

**PROPOSED CONSTRUCTION OF PERMANENT CAMPUS FOR NIELIT
AT
BODHJUNG NAGAR, AGARTALA TRIPURA WEST.**

VOL - III

BILL OF QUANTITIES



**National Building Construction Corporation Limited
(A Government of India Enterprise)**

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National Buildings Construction Corporation Limited

(A GOVT. OF INDIA ENTERPRISE)

Name of Work:- Construction of Permanent Campus for NIELIT at Bodhjung Nagar, Agartala, Tripura State

Quoting Sheet for the Bidder

NIT No.-

NBCC/ED/RBG/AGT/Engg./UD/2012/45 Date : 24.12.2012

Name of Work:-

Construction of NEILIT Campus at Agartala.

Name of the Firm

Percentage above or below or At par the estimated cost

Sr.No.	Name of component	BOQ Amount	Above or Below or At par	% in Figures	In Words	Amount Above or Below or At par	Total Cost	
1	2	3	4	5	6	7=(3*5)	8=(3+7)	
1	Construction of NEILIT Campus at Agartala.	185,124,077.00					-	
						Discount if Any		
						Total in figure	0.00	
	Total in words							

- 1 Only one of the options is to be filled. More than one option shall be rejected.
 2 Rate filled in any form shall be considered only in %age
 3 Rate shall be filled both in figures and in words, otherwise tender shall be rejected
 4 Rate filled at any other place in the document shall not be considered.
 5 No condition shall be accepted.*

**NATIONAL BUILDINGS CONSTRUCTION CORPORATION LIMITED
"CONSULTANCY DIVISION"**

NAME OF THE WORK:PROPOSED CONSTRUCTION OF ALL BUILDINGS FOR NIELIT AT AGARTALA,TRIPURA.

ABSTRACT OF COST

S.NO.	DESCRIPTION	AMOUNT OF SCHEDULE ITEMS AS PER DSR 2012 (RS.)	AMOUNT OF NON SCHEDULE ITEMS AS PER MARKET RATE (RS.)
1.0	ACADEMIC BUILDING	39031845.30	13993598.97
2.0	ADMINISTRATION BUILDING	27755636.12	12563975.38
3.0	GIRL'S HOSTEL	18810153.60	2235755.41
4.0	BOY'S HOSTEL	18912519.90	2214953.69
5.0	QTR TYPE I & III	4440316.10	611152.48
6.0	METER ROOM ,PANEL ROOM,GUARD ROOM AND SUBSTATION BUILDING	3827886.38	605392.00
7.0	WORK SHOP	1799361.15	959582.41
8.0	SEPTIC TANK	1116366.30	
9.0	UNDERGROUND TANK	1202059.30	
10.0	TUBEWELL		954413.79
11.0	IRON REMOVAL PLANT		553172.41
12.0	ROAD	8477706.50	
13.0	BOUNDARY WALL	10081488.75	2196724.12
14.0	STORM WATER DRAIN	1186965.75	61553.00
15.0	RETAINING WALL	3427384.75	
16.0	STREET LIGHT	71500.00	3247987.00
17.0	SUBSTATION EQUIPMENT	578233.00	4206393.45
TOTAL SCHEDULE ITEMS (A)		140719422.89	44404654.12
TOTAL NON SCHEDULE ITEMS (B)		44404654.12	
TOTAL (A+B)		185124077.01	
		SAY	185124077.00

NATIONAL BUILDINGS CONSTRUCTION CORPORATION LIMITED
"CONSULTANCY DIVISION"
NAME OF THE PROJECT: CONSTRUCTION. OF PROPOSED ACADEMIC BLOCK FOR NIELIT AT
AGARTALA,TRIPURA

SUMMARY OF COST

S.NO.	DESCRIPTION	AMOUNT AS PER DSR 2012 (RS.)	AS PER MARKET RATE (RS.)
1.0	CIVIL WORK MAIN BUILDING	35135934.79	6495493.97
2.0	INTERNAL & EXTERNAL PLUMBING WORKS	861379.01	254827.59
3.0	INTERNAL ELECTRICAL WORK, LAN SYSTEM , LIFT, UPS SYSTEM AND AIR CONDITIONING	2856194.00	7227636.03
4.0	HORTICULTURE & LANDSCAPING:	178337.50	15641.38
	TOTAL	39031845.30	13993598.97

**NAME OF THE PROJECT: CONSTRUCTION. OF PROPOSED ACADEMIC BLOCK FOR NIELIT AT
AGARTALA,TRIPURA
ABSTRACT OF COST**

SL.NO.	DESCRIPTION	AMOUNT BASED ON	
		DSR-2012 (RS.)	NON SCHEDULED MARKET RATE
1	CARRIAGE OF MATERIAL	3311.50	
2	EARTH WORK	1601135.50	
3	CONCRETE WORK	1123941.50	25655.17
4	RCC WORK	16266355.35	
5	BRICK WORK	15825.00	3513836.03
6	MARBLE WORK	4668891.60	
7	WOOD WORK	1022873.79	
8	STEEL WORK	477700.05	392248.28
9	FLOORING WORK	2940266.50	456372.41
10	ROOFING WORK	693593.05	
11	FINISHING WORK	3197114.50	100137.93
12	ALUMINIUM WORK	2316711.45	1943724.14
13	WATER PROOFING WORK	808215.00	
14	MISCELLANEOS ITEMS		63520.00
		(A)	35135934.79
			6495493.97 (B)

NAME OF THE PROJECT: CONSTRUCTION. OF PROPOSED ACADEMIC BLOCK FOR NIELIT AT AGARTALA,TRIPURA

CIVIL WORKS						
SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
CARRIAGE OF MATERIALS						
1	1.1.	By mechanical transport including loading, unloading & stacking				
	1.1.1	Lime,moorum,Building rubbish				
a)		1 KM	Cum	50.00	66.23	3311.50
		TOTAL CARRIED OVER TO SUMMARY				3311.50
EARTH WORK:						
2	2.6	Earth work in excavation by mechanical means (Hydraulic excavator/manual means over areas (exceeding 30cm in depth , 1.5m in width as well as 10 sqm on plan) including disposal of excavated earth,lead upto 50m and lift upto 1.5m disposed earth to be levelled and neatly dressed.				
a)	2.6.1	All kinds of soil.	cum	400.00	129.35	51740.00
3	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering lead upto 50 mtrs. and lift upto 1.5 mtr.	cum	3600.00	83.80	301680.00
4	2.27	Supplying and filling in plinth with local sand under floors including watering, ramming consolidating and dressing complete.	Cum	390.00	749.30	292227.00
5	2.34	Supplying chemical emulsion in sealed containers including delivery as specified.				
a)	2.34.1	Chlorpyriphos/Lindane Emulsifiable concentrate of 20%.	Ltr.	130.00	185.95	24173.50
6	2.35	Diluting and injecting chemical chemical emulsion for POST CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion)				
a)	2.35.3	Treatment of soil under existing floors using chemical emulsion @ one ltr. Per hol, 300mm apart including drilling 12mm diameter holes and plugging with cement mortar 1:2 (1 cement: 2 coarse sand) to match the existing floor.				
i)	2.35.3.1	With Chlorpyriphos /Lindane E C. 20% with 1% concentration.	Sqm	1100.00	88.25	97075.00
7	16.3	Supplying and stacking at site:				
a)	16.3.9	Good earth	Cum	3200.00	260.70	834240.00
		TOTAL CARRIED OVER TO SUMMARY				1601135.50

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
		CONCRETE WORK:				
8	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level:				
a)	4.1.3	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	cum	115.00	4514.05	519115.75
b)	4.1.6	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)	cum	97.00	3888.20	377155.40
c)	4.1.8	1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)	cum	30.00	3593.30	107799.00
9	4.2	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing coarses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets etc. upto floor five level, excluding the cost of centering, shuttering and finishing:				
a)	4.2.5	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	cum	10.00	4782.35	47823.50
10	4.11	Providing and laying damp-proof coarse 50mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5 mm nominal size)	Sqm	71.00	254.70	18083.70
11	4.12	Extra for providing and mixing water proofing material 'Impermo' or equivalent in cement concrete work @ 1 kg. Per 50 Kg. of cement.	per 50 kg. cement	470.00	35.35	16614.50
12	4.13	Applying a coat of residual petroleum bitumen of penetration 80/100 of approved quality using 1.7 kg. Per Sqm on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in Kerosene oil.	Sqm	71.00	96.65	6862.15
13	4.17	Making Plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 Coarse sand :6 graded stone aggregate 20mm nominal size) over 75 mm bed of dry bricks ballast 40mm nominal size well rammed and consolidated and grouted with fine sand including finishing the top smooth.	Sqm	90.00	338.75	30487.50
		TOTAL CARRIED OVER TO SUMMARY				1123941.50

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
		NON-SCHEDULE ITEM:				
14	NS	Providing and laying in position dry brick ballast 40mm nominal size and grouted with fine sand including finishing the top smooth upto floor five level.	Cum	40.00	641.38	25655.17
		TOTAL CARRIED OVER TO SUMMARY				25655.17
		RCC WORK:				
15	5.9	Centring and shuttering including strutting, propping etc. and removal of form for:				
a)	5.9.1	Foundations, footings, bases of columns etc. for mass concrete.	sqm	675.00	166.90	112657.50
b)	5.9.2	Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	sqm	100.00	285.15	28515.00
c)	5.9.3	Suspended floors, roofs, landings, balconies and access platform.	sqm	3408.00	311.20	1060569.60
d)	5.9.4	Shelves (Cast in situ)	sqm	200.00	311.20	62240.00
e)	5.9.5	Lintels, beams, plinth beams, girders, bressumers and cantilevers.	sqm	3431.00	262.25	899779.75
f)	5.9.6	Columns, Pillars, Piers, Abutments, posts and Struts	sqm	1400.00	365.60	511840.00
g)	5.9.7	Stairs, (excluding landings) except spiral-staircases.	sqm	45.00	326.30	14683.50
h	5.9.13	Vertical and horizontal fins individually or forming box louvers band, facias and eaves boards	sqm	150.00	470.10	70515.00
i)	5.9.15	Small lintels not exceeding 1.5m clear span, moulding as in cornices, window sills, string courses, bands, copings, bed plates, anchor blocks and the like.	sqm	150.00	166.90	25035.00
j)	5.9.16	Edges of slabs and breaks in floors and walls				
k	5.9.16.1	Under 20 cms wide	Mtr.	500.00	99.45	49725.00
l)	5.9.18	Small surfaces such as cantilever ends, brackets and ends of steps, caps	sqm	100.00	398.35	39835.00
m	5.9.19	Weather shade, chajjas, corbels etc. including edges.	sqm	125.00	411.10	51387.50

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
16	5.18	Providing precast cement concrete Jali 1:2:4 (1 cement: 2 coarse sand: 4 stone aggregate 6mm nominal size) reinforced with 1.6mm dia mild steel wire including centring & shuttering roughening cleaning, fixing and finishing in cement mortar 1:3 (1 cement: 3 fine sand) etc. complete excluding plastering of the jambs, sills and soffits.				
a)	5.18.1	50mm thick	Sqm	40.00	598.15	23926.00
17	5.22	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete				
a)	5.22.6	Thermo-Mechanically Treated bars	Kg.	25200.00	62.25	1568700.00
18	5.22 A	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete				
a)	5.22A.6	Thermo-Mechanically Treated bars	Kg.	105080.00	62.25	6541230.00
19	5.33	Providing and laying in position machine batched, machine mixed and machine vibrated design mix cement concrete of specified grade for reinforced cement concrete work including pumping of concrete to site of laying but excluding the cost of centring, shuttering, finishing and reinforcement-including admixture in recommended proportions as per IS:9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge.				
		Note-cement content considered in this item is @330kg/cum. Excess/less cement used as per design mix is payable /recoverable separately).				
a)	5.33.1	All works upto plinth level	Cum	210.00	5242.15	1100851.50
b)	5.33.2	All works above plinth level upto floor five level	Cum	710.00	5781.50	4104865.00
		TOTAL CARRIED OVER TO SUMMARY				16266355.35
20	6.15	Extra for providing and placing in position 2 Nos. 6 mm dia MS bars at every third course of half brick masonry (with FPS bricks)	Sqm	250.00	63.30	15825.00
		TOTAL CARRIED OVER TO SUMMARY				15825.00

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
		NON-SCHEDULE ITEM:				
21	NS	Brick work with FPS bricks of class designation 100 in foundation & plinth in:				
a)		Cement mortar 1:6 (1 cement: 6 coarse sand)	Cum	45.00	3964.2	178389.00
22	NS	Brick work with F.P.S. bricks of class designation 100 in superstructure above plinth level up to floor V level in all shapes and sizes in:				
a)		Cement mortar 1:6 (1 cement: 6 coarse sand)	Cum	755.00	4160.34	3141060.34
23	NS	Brick work in plain arches in superstructure including centering and shuttering complete for span upto 6m with F.P.S. brick of class designation 100 in cement mortar 1:3 (1 cement: 3 coarse sand).	Cum	10.00	6484.53	64845.31
24	N.S	125mm brick masonry with FPS bricks of class designation 100 in supersructure above plinth in level upto floor V level				
a)		Cement mortar 1:4 (1 cement: 4 coarse sand)	Sqm	250.00	518.17	129541.38
		TOTAL CARRIED OVER TO SUMMARY				3513836.03
		MARBLE WORK:				
25	8.2	Providing and fixing 18mm thick gang saw cut mirror (polished premoulded and prepolished) machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size of approved shade, colour and texture laid over 20mm thick base cement mortar 1:4 (1 cement: 4 coarse sand) with joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing curing, moudling and polishing to edge to give high gloss finish etc. complete at all levels.				
a)	8.2.1	White marble - Raj Nagar plain /udaipur green marble /zebra black marble				
i)	8.2.1.2	Area of slab over 0.50 Sqm	Sqm	16.00	1980.80	31692.80
26	8.2.2	Granite of any colour and shade				
i)	8.2.2.2	Area of slab over 0.50 Sqm	Sqm	1500.00	3083.40	4625100.00

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
27	8.3	Extra for providing edge moulding to 18mm thick marble stone counters, Vanities etc. Including machine polishing to edge to give high gloss finish etc. Complete as per design approved by Engineer-in-Charge.				
a)	8.3.1	Marble work.	Mtr.	40.00	105.70	4228.00
28	8.5	Extra for providing opening of required size & shape for wash basins / kitchen sink in kitchen platform, vanity counters and similar location in marble / Granite / stone work including necessary holes for pillar taps etc. Including rubbing and polishing necessary etc. complete.	Each	28.00	281.10	7870.80
		TOTAL CARRIED OVER TO SUMMARY				4668891.60
		WOOD WORK:				
29	9.1	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position.				
a)	9.1.1	Second class teak wood	cum	3.80	85813.30	326090.54
30	9.20	Providing and fixing ISI marked flush door shutters conforming to IS:2202 (Part-I) decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters.				
a)	9.20.1	35 mm thick including ISI marked stainless steel butt hinges with necessary screws.	Sqm	160.00	2159.05	345448.00
31	9.48	Providing and fixing MS grills of required pattern in frames of windows etc. with MS flats, square or round bars etc. all complete				
a)	9.48.2	Fixed to opening /wooden frames	Kg.	2471.00	98.20	242652.20
32	9.96	Providing and fixing aluminium sliding door bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS: 1868) transparent or dyed to required colour or shade with nuts and screws etc. complete:				
a)	9.96.1	300 x 16 mm	Each	32.00	203.80	6521.60
b)	9.96.2	250 x 16 mm	Each	32.00	168.95	5406.40

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
33	9.97	Providing and fixing aluminium tower bolt ISI marked anodised (anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour or shade with necessary screws etc. complete:				
a)	9.97.1	300x10 mm	Each	82.00	100.40	8232.80
b)	9.97.2	250x10 mm	Each	82.00	86.45	7088.90
c)	9.97.4	150x10 mm	Each	44.00	59.00	2596.00
34	9.99	Providing and fixing 50cm long aluminium kicking plate 100x3.15mm anodised (anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour or shade with necessary screws etc. complete:	Each	2.00	155.35	310.70
35	9.83	Providing & fixing IS:3564 marked aluminium Die cast body tubular type universal hydraulic door closer with necessary accessories and screws etc. complete	Each	63.00	610.60	38467.80
36	9.100	Providing and fixing aluminium handles ISI marked anodised (anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour or shade with necessary screws etc. complete:				
a)	9.100.1	125 mm	Each	82.00	62.50	5125.00
b)	9.100.2	100 mm	Each	44.00	49.55	2180.20
37	9.101	Providing and fixing aluminium hanging floor door stopper ISI marked anodised (anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour or shade with necessary screws etc. complete:				
a)	9.101.2	Twin rubber stopper	Each	63.00	71.55	4507.65
38	9.103	Providing & fixing bright finished brass 100 mm mortice latch & lock ISI marked with 6 levers and a pair of anodised(anodic coating not less than grade AC 10 as per IS :1868) aluminium lever handles with necessary screws etc. complete (Best make of approved quality)	Each	40.00	706.15	28246.00
		TOTAL CARRIED OVER TO SUMMARY				1022873.79

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
	STEEL WORK					
39	10.5	Providing and fixing 1mm thick MS sheet door with frame of 40x40x6mm angle iron and 3mm MS gusset plates at the junctions and corners, all				
a)	10.5.1	Using MS angle 40x40x6mm for diagonal braces.	Sqm	2.10	2551.45	5358.05
40	10.11	Providing & fixing factory made ISI marked steel glazed doors, windows and ventilators side/top/central hung with beading and all members such as K11B and K12B etc. complete of standard rolled steel sections, joints mitred and flash butt welded and sash bars tenoned and riveted with 15x3mm lugs, 10cm long, embedded in cement concrete blocks 15x10x10cm of 1:3:6 (1 cement: 3 coarse sand: 6 graded stone aggregate 20mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with fixing clips or with bolts and nuts as required, including providing and fixing of hinges, pivots, float glass panes with glazing clips and special metal sash putty of approved make and a priming coat of approved steel primer, excluding the cost of metal beading and other fittings except necessary hinges or pivots complete as per approved design.	Kg.	50.00	96.30	4815.00
41	10.13	Providing & fixing T-iron frames for doors, windows & ventilators of mild steel T-sections, joints mitred and welded with 15x3 mm lugs, 10 cm long, embedded in cement concrete blocks 15x10x10 cm of 1:3:6 (1 cement: 3 coarse sand: 6 graded stone aggr. 20 mm nominal size) or with wooden plugs & screws or rawl plugs and screws or with dash fasteners or with fixing clips or with bolts and nuts as required, including fixing of necessary butt hinges & screws and applying a priming coat of approved steel primer.	Kg.	50.00	73.30	3665.00
42	10.14	Providing and fixing pressed steel door frames conforming to IS:4351 manufactured from commercial mild steel sheet of 1.25 mm thickness including hinges, jamb, lock jamb, bead and if required angle threshold of mild steel angle of section 50x 25 mm, or base ties of 1.25 mm pressed mild steel welded or rigidly fixed together by mechanical means, adjustable lugs with split end tail to each jamb including steel butt hinges 2.5 mm thick with mortar guards, lock strike-plate and shock absorbers as specified and applying a coat of approved steel primer after pre-treatment of the surface as directed by the Engineer-in-charge.				
a)	10.14.1	Profile B				
i)	10.14.1.1	Fixing with adjustable lugs with split end tail to each jamb	Mtr	10.00	346.75	3467.50

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
43	10.25	Steel work welded in built up sections/framed work including cutting hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required				
a)	10.25.2	In gratings, frames, guard bar, ladders, railings, brackets, gates & similar works	Kg.	150.00	77.90	11685.00
44	10.18	Providing and fixing circular/hexagonal cast iron or MS sheet box for ceiling fan clamp of internal dia 140mm, 73mm height, top lid of 1.5mm thick M.S. sheet with its top surface hacked for proper bonding, top lid shall be screwed into the cast iron/ MS box by means of 3.3mm dia round headed screws, one lock at the corners. Clamps shall be made of 12mm dia M.S. bar bent to shape as per standard drawing.	Each	110.00	117.45	12919.50
a)	10.26	Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing & staircase railing including applying a priming coat of approved steel primer.				
i)	10.26.1	MS tube	Kg.	200.00	86.45	17290.00
45	10.28	Providing and fixing stainless steel (grade 304)railing made of Hollow tubes , channels , plates etc , including welding grinding , buffing ,polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete ,l/c fixing the railing with necessary accessories &stainless steel dash fasteners ,stainless steels bolts etc ,of required size ,on the top of the floor or the side of waist slab with suitable arrangment as per approval of Engineers -in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accesories such as nuts ,bolts, fasteners etc	Kg	750.00	558.00	418500.00
TOTAL CARRIED OVER TO SUMMARY						477700.05
NON-SCHEDULE ITEM:						
45A		Providing and fixing stainless steel (grade 304) Hollow tubes , for space frames with suitable arrangment as per approval of Engineers -in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accesories such as nuts ,bolts, fasteners etc	Kg	964.00	406.90	392248.28
TOTAL CARRIED OVER TO SUMMARY						392248.28

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
FLOORING WORK						
46	11.4	52 mm thick cement concrete flooring with concrete hardener topping under layer 40 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand: 4 graded stone aggregate 20 nominal size) and top layer 12 mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix: 2 stone aggregate 6 mm nominal size) by volume hardening compound is mixed @ 2 Ltrs per 50 kg. of cement or as per manufacturer specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete	Sqm	40.00	420.50	16820.00
47	11.6	Cement plaster skirting (upto 30 cm height) with cement mortar 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement.				
a)	11.6.1	18 mm thick	Sqm.	50.00	258.20	12910.00
48	11.13	Providing & fixing glass strips in joints of terrazo/cement concrete floors.				
a)	11.13.1	40 mm wide and 4 mm thick	Mtr.	10.00	29.40	294.00
49	11.16	Precast terrazo tiles 22 mm thick with graded marble chips of size upto 12 mm laid in floors, and landings, jointed with neat cement slurry mixed with pigment to match the shade of the tiles including rubbing and polishing complete with precast tiles on 20 mm thick bed of cement mortar 1:4 (1 cement: 4 coarse sand)				
a)	11.16.1	Light shade using white cement	Sqm	100.00	769.35	76935.00
50	11.23	Marble stone flooring with 18 mm thick marble stone (sample of marble shall be approved by Engineer-In-Charge) over 20mm (average) thick base of 1:4 (1 cement: 4 coarse sand) laid and jointed with grey cement slurry including rubbing and polishing complete with:				
a)	11.23.2	Raj nagar plain	Sqm	200.00	1265.35	253070.00
b)	11.23.5	Udaipur green marble	Sqm	50.00	1418.95	70947.50
51	11.25	Extra for marble stone flooring in treads of steps and risers using single length upto 2mtr..	Sqm	40.00	230.55	9222.00

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
52	11.26	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete with base of cement mortar 1:4 (1 cement: 4 coarse sand)				
a)	11.26.1	25 mm thick	Sqm	200.00	945.70	189140.00
53	11.27	Kota stone slab 25 mm thick in risers of steps, skirting dado and pillars laid on 12 mm(average) thick cement mortar 1:3 (1 cement : 3 coarse sand) & jointed with grey cement slurry mixed with pigment to match the shade of the slabs including rubbing and polishing complete.	Sqm	100.00	954.10	95410.00
54	11.36	Providing & fixing 1st quality ceramic glazed wall tiles conforming to IS:15622 (thickness to be specified by the manufacturer) of approved make in all colours, shades except Burgundy, bottle green, black of any size as approved by Engineer-in-charge in skirting, risers of steps & dados over 12 mm thick bed of cement mortar 1:3 (1 cement :3 coarse sand) and jointing with grey cement slurry @3.3 Kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	Sqm	120.00	724.25	86910.00
55	11.39	Providing & laying rectified glazed ceramics floor tiles 300x300mm or more (thickness to be specified by the manufacturer) of 1st quality conforming to IS:15622 of approved make in colours White, Ivory, Grey, Fume, Red Brown, laid on 20 mm thick cement mortar 1:4 (1 cement :4 coarse sand) including grouting the joints with white cement and matching pigments etc. complete.	Sqm	132.00	931.50	122958.00
56	11.41	Providing & laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorptions less than 0.08% and conforming to IS:15622 of approved make in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement: 4 coarse sand) including grouting the joints with white cement and matching pigments etc. complete.				
a)	11.41.2	Size of tile 60x60cm	Sqm	1500.00	1337.10	2005650.00
		TOTAL CARRIED OVER TO SUMMARY				2940266.50

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
		NON-SCHEDULE ITEM:				
57		Providing and laying pioneer tiles including all accessories of approved quality and specification as per drawings and directions of Engineer-In - Charge .	Sqm	615.00	742.07	456372.41
		TOTAL CARRIED OVER TO SUMMARY				456372.41
		ROOFING WORK				
58	12.21	Providing gola 75x75mm in cement concrete 1:2:4 (1 cement: 2 coarse sand: 4 stone aggregate 10mm and down gauge) including finishing with cement mortar 1:3 (1 cement: 3 fine sand) as per standard design:				
a)	12.21.1	In 75x75mm deep chase	Mtr.	150.00	109.05	16357.50
59	12.22	Making khuras 45x45cm with average minmum thickness of 5cm cement concrete 1:2:4 (1 cement :2 coarse sand: 4 graded stone aggregate of 20 mm nominal size) over PVC sheet 1m x 1m x 400micron, finished with 12mm cement plaster 1:3 (1cement: 3 coarse sand) and a coat of neat cement rounding of the edges and making and finishing the outlet complete.	Each	15.00	148.75	2231.25
60	12.38	Providing and fixing MS holder bat clamps of approved design to C.I. or S.C.I. rain water pipes embedded in and including cement concrete blocks 10 x 10 x 10 cm of 1:2:4 mix (1 cement:2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and cost of cutting holes and making good the walls etc.				
a)	12.38.2	For 150 mm dia pipe	Each	50.00	121.80	6090.00
61	12.39	Providing lead caulked joints to sand cast iron rain water pipes and fittings:				
a)	12.39.2	For 150 mm dia pipe	Each	50.00	287.10	14355.00
62	12.40	Providing and fixing on wall face unplasticised-Rigid PVC rain water pipes conforming to IS:13592 Type A including jointing with seal ring conforming to IS:5382 leaving to 10mm gap for thermal expansion. (i) Single socketed pipes:				
a)	12.40.1.1	150mm diameter	Mtrs	150.00	407.85	61177.50

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
63	12.42	Providing and fixing on wall face unplasticised- PVC moulded fittings/accessories for unplasticised-Rigid PVC rain water pipes conforming to IS:13592 Type A including jointing with seal ring conforming to IS:5382 leaving to 10mm gap for thermal expansion.				
a)	12.42.1	Coupler				
i)	12.42.1.2	110mm	Each	20.00	130.25	2605.00
b)	12.42.5	Bend 87.5"				
i)	12.42.5.2	110mm bend	Each	20.00	156.95	3139.00
c)	12.42.6	Shoe (plain)				
i)	12.42.6.2	110mm shoe	Each	20.00	287.05	5741.00
64	12.43	Providing and fixing unplasticised- PVC pipe clips of approved design to unplasticised-PVC rain water pipes by means of 50x50x50mm hard wood plugs, screwed with MS screws of required length including cutting brick work and fixing in cement mortar 1:4 (1 cement:4 coarse sand) and making good the walls etc. complete.				
a)	12.43.2	110mm	Each	20.00	144.60	2892.00
65	12.44	Providing & fixing to the inlet mouth of rain water pipe cast iron grating 15cm diameter and weighing not less than 440 gms.	Each	20.00	32.75	655.00

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
66	12.45	Providing and fixing at all height false ceiling including providing and fixing of frame work made of special sections power pressed from MS sheet and galvanised in accordance with zinc coating of grade 350 as per IS:277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 22 mm and 37 mm at 1200 mm centre to centre one flange fixed to the ceiling with dash fastner 12.5 mm dia x 40 mm long with 6 mm dia bolts to the angle hangers of 25x25x0.55 mm of required length and other end of angle hanger being fixed with nut and bolts to GI channels 45 mm x 15 mm x 0.9 mm running at the rate of 1200 mm centre to centre to which the ceiling section 0.5 mm thick bottom wedge of 80mm with tapered flanges of 26mm each having clips of 10.5mm at 450mm centre to centre shall be fixed in a direction perpendicular to GI channel with connecting clips made out of 2.64mm dia x 230mm long GI wire at every junction including fixing the gypsum board with ceiling section and perimeter channels				
		0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre to centre with 25 mm long drive all screws @ 230 mm interval including jointing and fixing to a flush finish of tapered and square edges of the gypsum board with recommended filler, paper tapes, manufacturers specification and also including the coat of making openings for light fittings, grills diffusers, cutouts made with frame of perimeter channels suitably fix all complete as per drawing and specification and direction of the Engineer-in-Charge but excluding the cost of painting with:				
a)	12.45.1	12.5 mm thick tapered edge gypsum baord conforming to IS:2095- Part-I.	Sqm	157.00	691.40	108549.80

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
67	12.53	Providing and Fixing 15 mm thick densified tegular edged eco friendly light weight calcium silicate false ceiling tiles of approved texture spintone/ cosmos/ Hexa or equivalent of size 595 x 595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanised section (galvanising @ 120 grams per sqm including both side) consisting of main 'T' runner suitably spaced at joints to get required length and of size 24x38 mm made from 0.33 mm thick (minimum) sheet, spaced 1200 mm centre to centre, and cross "T" of size 24x28 mm made out of 0.33 mm (minimum) sheet, 1200 mm long spaced between main 'T' at 600 mm centre to centre to form a grid of 1200x600 mm and secondary cross 'T' of length 600mm and size 24x28 mm made of 0.33 mm thick (minimum) sheet to be inter locked at middle of the 1200x600 mm panel to form a grid 600x600 mm, resting on periphery walls / partitions on a Perimeter wall angle pre-coated steel of size (24x24x3000 mm) made of 0.40 mm thick (minimum) sheet with the help of rawl plugs at 450 mm centre to centre with 25 mm long dry wall screws @ 230 mm interval and laying 15 mm thick densified	Sqm	300.00	1566	469800.00
		edges calcium silicate ceiling tiles of approved texture (Spintone/ Cosmos/ Hexa) in the grid, including cutting/ making opening for services like diffuser, grills, light fittings, fixtures, smoke detector etc. wherever required. Main 'T' runners to be suspended from ceiling using G.I slotted cleats of size 25x35x1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm G.I adjustable rods with galvanised steel level clips of size 85x30x0.8 mm, spaced at 1200 mm centre to centre along main 'T' bottom exposed with 24 mm of all T-section shall be pre-painted with polyster baked paint, for all heights, as per specifications, drawings and as directed by engineer-in-charge. Note:- Only calcium silicate false ceiling area will be measured from wall to wall. No deduction shall be made for exposed frames/ opening (cut outs) having area				
		less then 0.30 sqm. The calcium silicate ceiling tile shall have NRC value of 0.50 (Minimum), light reflection > 85%, non - combustible as per B.S 476 part IV, 100% Humidity resistance and also having thermal conductivity < 0.043 w/m 0KC.				
		TOTAL CARRIED OVER TO SUMMARY				693593.05

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
	FINISHING:					
68	13.4	12mm cement plaster of mix :				
a)	13.4.2	1:6 (1 cement : 6 coarse sand)	Sqm	9000.00	112.50	1012500.00
69	13.7	12mm cement plaster finished with a floating coat of neat cement of mix :				
a)	13.7.1	1:4 (1 cement : 4 fine sand)	Sqm	100.00	107.80	10780.00
70	13.12	18 mm cement plaster in two coats under layer 12mm thick cement plaster 1:5 (1 cement : 5 coarse sand) and a top layer 6mm thick cement plaster 1:3 (1 cement: 3 coarse sand) finished rough with sponge.	Sqm	400.00	123.50	49400.00
71	13.5	15mm cement plaster on rough side of single or half brick wall of mix:				
a)	13.5.2	1:6 (1 cement : 6 Coarse sand)	Sqm	3300.00	130.20	429660.00
72	13.16	6 mm cement plaster to ceiling of mix :				
a)	13.16.1	1:3 (1 cement : 3 fine sand)	Sqm.	3000.00	101.00	303000.00
73	13.23	Extra for plastering on circular work not exceeding 6m in radius:				
a)	13.23.1	In one coat	Sqm.	300.00	13.65	4095.00
74	13.26	Providing and applying plaster of paris putty of 2mm thickness over plastered surface to prepare the surface even and smooth complete.	Sqm.	8000.00	83.80	670400.00
75	13.37	White washing with lime to give an even shade				
a)	13.37.1	New work (three or more coats)	Sqm.	200.00	11.75	2350.00
76	13.41	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade.				
a)	13.41.1	New work (two or more coats) over and including priming coat with cement primer	Sqm	300.00	66.70	20010.00
77	13.47	Finishing walls with Premium Acrylic Smooth exterior paint with "Silicone additives of required shade				
a)	13.47.1	New work (two or more coats applied @1.43 ltr/10 sqm over and including base coat of water proofing cement paint applied @2.20kg/10sqm)	Sqm	3000.00	80.45	241350.00
78	13.60	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade :				

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
a)	13.60.1	Two or more coats on new work	Sqm	5000.00	60.25	301250.00
79	13.45	Finishing walls with textured exterior paint of required shade				
a)	13.45.1	New work (two or more coats applied @ 3.28 Ltr/ 10 Sqm) over and including base coat of water proofing cement paint applied @ 2.20 Kg./ 10 Sqm.	Sqm	500.00	117.70	58850.00
80	13.50	Applying priming coat:				
a)	13.50.1	With ready mixed pink or grey primer of approved brand and manufacturer on wood work (hard & soft wood)	sqm	450.00	25.85	11632.50
81	13.58	Providing and applying two coats of Fire retardent paint unthunned on cleaned wood/ply surface @ 3.5 sqm per litre per coat including preparation of base surface asper recommendation of manufacture to make the surface fire retardent.	Sqm	30.00	267.15	8014.50
a)	13.61	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :				
b)	13.61.1	Two or more coats on new work	Sqm	500.00	53.85	26925.00
82	13.76	Forming groove of uniform size from 12x12mm and 25x15mm in plastered surface as per approved pattern using wooden battens, nailed to the under layer including removal of wooden battens, repair to the edges of panel and finishing the groove complete as per specifications and direction of the Engineer-In-Charge.	Mtr.	650.00	72.15	46897.50
		TOTAL CARRIED OVER TO SUMMARY				3197114.50

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
		NON-SCHEDULE ITEM:				
82 A		Providing and fixing wall with texture paint in interior wall with a base coat of silicon based poly under seal coat and applying texture of desired shade & pattern with roller/spray as per approved design with final coat of poly urithin PC-100A or equivalent transparent coating for 100% wash ability elasticity and water proofing of texture for longer & dust proof life of texture paint as per manufacturer specifications or direction of engineer in charge complete with all scaffolding material and labour etc.	Sqm	330.00	303.45	100137.93
		TOTAL CARRIED OVER TO SUMMARY				100137.93
		ALUMINIUM WORK:				
83	21.1	Providing & fixing aluminium work for doors, windows, ventilators & partitions with extruded built up standard tubular sections/ appropriate Z-sections and other sections of approved make conforming to IS: 733 & IS:1285, fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top bottom and sides with required of PVC/neoprene felt etc. Aluminium sections shall be smooth, rust free, straight, mitred & jointed mechanically wherever required including cleat angle, aluminium snap beading for glazing/panelling C.P. brass/ Stainless Steel screws, all complete as per architectural drawings & the directions of Engineer-In-Charge. (Glazing and panelling to be paid for separately).				
a)	21.1.1	For fixed portion				
i)	21.1.1.1	Anodized aluminium (anodized transparent or dyed to required shade according to IS:1868, Minimum anodic coating of grade AC 15).	Kg.	2750.00	358.30	985325.00
b)	21.1.2	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of PVC/ neoprene gasket required. (Fittings shall be paid for separately)				
i)	21.1.2.1	Anodized aluminium (anodized transparent or dyed to required shade according to IS:1868, Minimum anodic coating of grade AC 15).	Kg.	2760.00	406.50	1121940.00

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
84	21.4	Providing & fixing double action hydraulic floor spring of approved brand and manufacture IS:6315 marked, for doors including cost of cutting floors as required, embedding in floors and cover plates with brass pivot and single piece MS sheet outer box with slide plate etc. complete as per the direction of Engineer-In-charge.				
a)	21.4.1	With stainless steel cover plate	Each	1.00	1953.10	1953.10
85	21.13	Providing & fixing 100mm brass locks (best make of approved quality) for aluminium doors including necessary cutting and making good etc. complete.	Each	1.00	356.10	356.10
86	21.15	Providing & fixing aluminium casement window fastener of required length for aluminium windows with necessary screws etc. complete.				
a)	21.15.1	Anodized(AC15) aluminium.	Each	30.00	50.50	1515.00
87	21.16	Providing & fixing aluminium round shape handle of outer dia 100mm with SS screws etc. complete as per direction of Engineer-incharge.				
a)	21.16.1	Anodized(AC15) aluminium.	Each	30.00	60.95	1828.50
88	21.3	Providing and fixing glazing in aluminium doors, windows, ventilator shutters & partitions etc. with PVC/ neoprene gasket etc. complete as per architectural drawings and the directions of Engineer-In -Chage (Cost of aluminium snap beading shall be paid in basic item).				
a)	21.3.2	With float glass panes of 5.5 mm thickness	Sqm	225.00	905.75	203793.75
		TOTAL CARRIED OVER TO SUMMARY				2316711.45

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
		NON-SCHEDULE ITEM:				
89		Supply and installation Aluminium Composite Panel with 3105 Alloy grade Aluminium skin's, 0.5mm thickness on both sides with PVDF Coating upper side (Kynar 70% Min- 26 microns) & PU coating on back side(6 to 8 microns) and bonded together by "DUPONT" adhesive film of 30 – 50 µ, by Hot Process or Catalytic Fusion process. Central Core of Virgin, UV Stabilised, of 70 % LDPE grade "22 FA 002", 30 % HDPE grade "E5201"). The protective film on outer face should be of 80 microns. facture of Aluminium Composite Panel in India, having an ISO 9001 certification.Fixing of Aluminium Composite Panel with Aluminium frame work of alloy grade 6065 Series. Sealents should be follow ASTM C 920-87 and for Sealing Matetrial ASTM C 509-90.of approved quality and specification as per drawings and directions of Engineer-In -Chage	Sqm	250.00	2620.69	655172.41
90		Supply and Installation of aluminium semi unitised Structural Glazing system to support / hold glass of approved make having main frame work of mullions and transomes of designed extruded sections to with stand a wind pressure of 150 kg./ sqm. and fabricated fixed at all levels, elevation & heights. The extruded section shall be finished, with electrolytic anodised colour, to be approved by architects, of extruded section shall be finished, with electrolytic anodised colour, to be approved by architects, of minimum 20 microns. Extruded section shall be of 6063 T6 Alloy or BSH9 conforming to IS-63400. Rate shall include fixing of the main frames to Concrete structure with necessary clamps, fastening straps, nuts, bolts,	Sqm	300	3034.48	910344.83
		and flashing, approved structural silicon sealant of recommended grade from DOW corning or equivalent etc. complete for a full proof system.SEALANT – The glass units are to be glued to separate glass panel subframes made out of suitable aluminium section with specified/approved structural manufacturer. The structural silicone sealant of a suitable bite size to be applied as per design and system approved by the manufacturers in writing for this project. After proper curing and testing by Sealant Manufacturer.Each panel to be fixed to main frame individually with SS fastners. After aligning the panels to correct line/level				
		the gaps between glass to be sealed with weather Silicon Sealant of approved make. Cost of fixing the Double glass panels to be included in the sysytem.SYSTEM – the system to be designed to take horizontal and vertical movement Upto 10mm for every floor and capable of withstanding wind pressure of 150 kpa .all				

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
		as per drawing. The system design should be generic to accommodate double glass as maybe required and Sqm. 805 4394.66 3537703.65 gasket based, designed with chamber for ressure equalization. Main frame to be assembeled as per design				
		required and fixed to prefixed clamps with bolt/nut and washer. The framework thus fixed to be properly				
		aligned and leveled to required grid work. The glass frames suitably glazed as described above with glass				
		specified is then fixed to main frame. The gaps between panels are properly sealed with weather sealant or				
		EPDM weather pressure gasket to ensure no leakage and work completed as per design and specification.				
		.S.S. Fastners S S 316 to be of HILTI / FISHER make.Note: Cost of Glass shall be paid seperately .				
91		Supply and fixing single Insulated Glass Comprissing of 6 mm Thk Toughened Low -E glass of Coollite series + 12 mm Air Gap + 6mm thick clear toughened glass.	Sqm	300.00	1241.38	372413.79
92		Providing and fixing glazing in aluminium doors, windows, ventilator shutters & partitions etc. with PVC/ neoprene gasket etc. complete as per architectural drawings and the directions of Engineer-In -Chage (Cost of aluminium snap beading shall be paid in basic item).				
		With 10mm thickness Texture toughened glass	Sqm	4.00	1448.28	5793.10
		TOTAL CARRIED OVER TO SUMMARY				1943724.14

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
	WATER PROOFING:					
93	22.5	Providing and laying water proofing treatment in sunken portion of WCs, bathrooms etc. by applying cement slurry mixed with water proofing cement comopund consisting of applying: a) First layer of slurry of cement @ 0.488 kg./Sqm mixed with water proofing cement comound @ 0.253 kg./Sqm. This layer will be allowed to air cure for 4 hours. b) Second layer of slurry of cement @ 0.242 kg./Sqm mixed with water proofing cement comopund @ 0.126 kg./Sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours. The rate includes preparation of surface, treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry.	Sqm	100.00	215.15	21515.00
94	22.7	Providing and laying integral cement based water proofing treatment including preparation of suface as required for treatment of roofs, balconies, terraces condisting of following operations: a) Applying and grouting a slurry coat of neat cement using 2.75 kg./Sqm of cement admixed with water proofing compound conforming to IS:2645 and approved by Engineer-In-Charge over the RCC slab including adjoining walls upto 300mm height including cleaning the surface before treatment. b) Laying brick bats with mortar using broken bricks/brick bats 25mm to 115mm size with 50% of cement mortar 1:5 (1cement : 5 coarse sand) admixed with water proofing cement compound conforming to IS:2645 and approved by Engineer-In-Charge over 20mm thick layer of cement mortar of mix 1:5 (1 cement: 5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by the Engineer-In-Charge to required slope & treating similarly the adjoining walls upto 300 mm height including rounding of junctions of walls and slabs.				

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
		c) After two days of proper curing applying a second coat of cement slurry using 2.75 kg./sqm of cement admixed with water proofing comopound conforming to IS:2645 and approved by the Engineer-In-Charge. d) Finishing the surface with 20mm thick jointless cement mortar of mix 1:4 (1 cement : 4 coarse sand) admixed with water proofing compound conforing to IS:2645 and approved by the Engineer-In-charge including laying glass fibre cloth of approved quality in top layer of plaster and finally finishing the surface with trowel with neat cement slurry and making pattern of 300mmx 300mm square. e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test. All above operations to be done in order and as directed and specified by the Engineer-In-Charge.				
a)	22.7.1	With average thickness of 120mm and minimum thickness at khurra as 65mm.	Sqm	1000.00	786.70	786700.00
		TOTAL CARRIED OVER TO SUMMARY				808215.00
		MISCELLANEOS ITEMS				
		NON SCHEDULE ITEMS				
95		providing & fixing SS plates with words in eitching black/any colour as per detail,on SS plate 1mm thick crome plated				
a		SS plate for specific rooms-size 12"x8"	Each	40.00	1092.41	43696.55
b		SS plate for toilet-size 12"x6"	Each	8.00	819.31	6554.48
c		SS plate for floor number-size 8"x8"	Each	4.00	728.28	2913.10
d		SS plate for pull/push-size 2"x6"	Each	4.00	136.55	546.21
96		providing & fixing signage 3mm thick acrylic sheet with Radium printing, with mat/gloss laminationSS plates with words in eitching black/any colour as per detail,on SS plate 1mm thick crome plated				
a		EXIT plate- size 12"x6"	Each	4.00	819.31	3277.24
b		Emargency plate - size 12"x6"	Each	4.00	819.31	3277.24
c		NO SMOKING plate - size 12"x6"	Each	4.00	813.79	3255.17
		TOTAL CARRIED OVER TO SUMMARY				63520.00

ABSTRACT OF COST FOR ACADEMIC BLOCK				
SL.NO.	DESCRIPTION		AMOUNT AS PER	
			DSR'2012	MARKET
1	SANITARY FIXTURES		273235.90	
2	SOIL, WASTE VENT PIPE		200116.00	
3	WATER SUPPLY (INTERNAL)		265222.11	254827.59
4	DRAINAGE(SEWERAGE)		90493.00	
5	EARTH WORK		32312.00	
	Total Cost Of Scheduled Item		861379.01	254827.59

NAME OF THE PROJECT :CONSTN. OF ACADAMIC BUILDING

NAME OF WORK: DETAILED COST ESTIMATE OF INTERNAL PLUMBING WORKS

SL. NO.	DSR 2012	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
A	SANITARY FIXTURE:					
1	17.1	Providing and fixing water closet squatting pan (Indian type WC pan) with 100mm sand cast iron P or S trap, 10 litres low level white PVC flushing cistern with manually controlled device (Handle lever) conforming to IS:7231 with all fittings & fixtures completes,including cutting and making good the walls and floors wherever required :				
a)	17.1.1	White Vitreous china Orissa pattern WC pan of size 580 x 440mm with integral type foot rest.	Each	13	2964.10	38533.30
2	17.3	Providing and fixing white vitreous china pedestal type water closet (European type) with seat & lid with CP brass hinges & rubber buffers, 10 ltr low level white viterous china flushing cistern & C.P. flush bend with fittings and C.I. brackets, 40mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete including painting of fittings and brackets, cutting & making good the walls and floors wherever required.				
a)	17.3.1	WC Pan with ISI marked white solid plastic seat and lid	Each	9	4220.80	37987.20
3	17.4	Providing and fixing white vitreous chine flat back or wall corner type lipped front urinal basin 430x260x350mm and 340x 410x265mm size respectively with automatic flushing cistern with standard flush pipe and CP brass spereaders with brass unions and GI clamps complete including painting of fittings brackets, cutting & making good the walls and floors wherever required.				

SL. NO.	DSR 2012	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
	17.4.2	Range of two urinal basins with 5 ltrs. White PVC automatic flushing cistern	Each	25.00	4652.80	116320.00
4	17.7	Providing and fixing wash basin with CI brackets, 15mm CP brass pillar taps, 32mm CP brass waste of standard pattern, including painting of fittings and brackets cutting & making good the walls, wherever required.				
	17.7.1	White vitrious china wash basin size 630 x 450mm with a pair of 15mm C.P. brass pillar taps	Each	29.00	1848.35	53602.00
5	17.28	Providing & fixing PVC waste pipe for sink or wash basin including PVC waste fittings complete				
	17.28.1	Semi rigid pipe				
	17.28.1.1	32mm dia	Each	29.00	59.50	1725.50
6	17.31	Providing and fixing 600 x 450mm bevelled edge mirror of superior glass (of approved quality) complete with 6mm thick hard board ground fixed to wooden cleats with CP brass screws and washers complete	Each	29.00	674.05	19547.00
7	17.34	Providing and fixing toilet paper holder				
	17.34.1	C.P brass	Each	22.00	250.95	5520.90
		TOTAL FOR SCHEDULE TIEMS(SANITARY FIXTURE)				273235.90
(B)	SOIL WASTE VENT PIPES AND FITTINGS:					
8	17.35	Providing and fixing soil, waste vent pipes				
a)	17.35.1	100mm dia				

SL. NO.	DSR 2012	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
	17.35.1.2	Centrifugally cast (spun) iron socketed pipe as per IS:3989.S&S pipe	Mtr	50.00	857.30	42865.00
b)	17.35.2	75mm dia				
	17.35.2.2	Centrifugally cast (spun) iron socketed pipe as per IS:3989.	Mtr	60.00	744.50	44670.00
9	17.37	Providing and fixing MS holder-bat clamps of approved design to Sand Cast iron/cast iron (spun) pipe embedded in and including cement concrete blocks 10x10x10 cm of 1:2:4 mix (1 cement: 2 coarse sand : 4 graded stone aggregate 20mm nominal size) including cost of cutting holes and making good the walls etc.				
	17.37.1	For 100mm dia pipe	Each	21	112.50	2344.00
	17.37.2	For 75mm dia pipe	Each	25	110.15	2754.00
10	17.38	Providing and fixing bend of required degree with access door insertion rubber washer 3mm thick bolts and nuts complete				
a)	17.38.1	100mm				
	17.38.1.2	Sand Cast iron S&S as per IS-3989	Each	2.00	353.25	707.00
b)	17.38.2	75mm				
	17.38.2.2	Sand Cast iron S&S as per IS-3989	Each	2.00	281.15	562.00
11	17.39	Providing and fixing plain bend of required degree				
a)	17.39.1	100mm				
	17.39.1.2	Sand Cast iron S&S as per IS-3989	Each	21.00	296.35	6223.00
b)	17.39.2	75mm				
	17.39.2.2	Sand Cast iron S&S as per IS-3989	Each	30.00	221.95	6659.00

SL. NO.	DSR 2012	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
12	17.40	Providing and fixing heal rest sanitary bend				
a)	17.40.1	100mm				
	17.40.1.2	Sand Cast iron S&S as per IS-3989	Each	2.00	342.80	686.00
b)	17.40.2	75mm				
	17.40.2.2	Sand Cast iron S&S as per IS-3989	Each	2.00	297.45	595.00
13	17.43	Providing and fixing single equal plain junction of required degree with access door, insertion rubber washer 3mm thick, bolts and nuts complete.				
a)	17.43.1	100x100x100mm				
	17.43.1.2	Sand Cast iron S&S as per IS-3989	Each	2.00	579.45	1159.00
b)	17.43.2	75x75x75mm				
	17.43.2.2	Sand Cast iron S&S as per IS-3989	Each	2.00	438.00	876.00
14	17.56	Providing and fixing terminal guard				
a)	19.56.1	100mm				
	17.56.1.2	Sand Cast iron S&S as per IS-3989	Each	2.00	244.10	488.00
b)	17.56.2	75mm				
	17.56.2.2	Sand Cast iron S&S as per IS-3989	Each	2.00	221.95	444.00
15	17.57	Providing and fixing collars				
a)	17.57.1	100mm				
	17.57.1.2	Sand Cast iron S&S as per IS-3989	Each	36	238.25	8509.00

SL. NO.	DSR 2012	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
b)	17.57.2	75mm				
	17.57.2.2	Sand Cast iron S&S as per IS-3989	Each	43	169.25	7254.00
16	17.58	Providing lead caulked joints to sand cast iron/centrifugally cast (spun) iron pipes & fittings of dia				
	17.58.1	a) 100mm	Each	77	207.85	16094.00
b)	17.58.2	b) 75mm	Each	92	176.50	16188.00
17	17.60	Providing and fixing trap of self cleaning design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors.				
a)	17.60.2	a) 100mm inlet and 75mm outlet				
	17.60.2.1	Sand Cast iron S&S as per IS-3989	Each	37.00	838.85	31037.00
18	17.61	Cutting chases in brick masonry walls for following diameter sand cast iron/centrifugally cast (spun) iron pipes and making good the same with cement concrete 1:3:6 (1 cement: 3 coarse sand: 6 graded stone aggregate 12.5mm nominal size) including necessary plaster and painting in cement mortar 1:4 (1 cement: 4 coarse sand).				
a)	17.61.1	a) 100mm dia	Mtr.	18.00	252.10	4538.00
b)	17.61.2	b) 75mm dia	Mtr.	15.00	180.40	2706.00
19	17.65	Painting sand cast iron/centrifugally cast (spun) iron soil, waste vent pipes and fittings with paint of any colour such as chocolate grey or buff etc. over a coat of primer (of approved quality) for new work.				
a)	17.65.1	a) 100mm dia meter pipe	Mtr	50.00	28.75	1438.00

SL. NO.	DSR 2012	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
b)	17.65.2	b) 75mm dia meter pipe	Mtr	60.00	22.00	1320.00
TOTAL FOR SCHEDULE ITEMS(SOIL WASTE VENT PIPES & FITTINGS)						200116.00
C)	WATER SUPPLY					
	SCHEDULE ITEMS					
20	18.1	Providing & fixing Polyethene Aluminim Polyethene (PE-AL-PE) composite pressure pipes conforming to IS-15450 U.V. stabilized with carbon black having thermal stability for hot & cold water supply, capable to withstand temperature upto 80 deg. C including all special fittings of composite material (engineering plastic blend and brass inserts wherever required) i.e. elbows, tees, reducers, couplers & connectors etc. with clamps at 1.00 metre spacing. This includestesting of joints complete as per direction of Engineer-in-charge.				
		Internal work -Exposed on wall				
	18.1.3	2025(16mm OD)pipe	Mtr	15.20	277.95	4224.84
	18.1.4	2532(16mm OD)pipe	Mtr	15.20	362.85	5515.32
	18.1.5	3240(16mm OD)pipe	Mtr	20.00	559.65	11193.00
21	18.2	Providing & fixing Polyethene Aluminim Polyethene (PE-AL-PE) composite pressure pipes conforming to IS-15450 U.V. stabilized with carbon black having thermal stability for hot & cold water supply, capable to withstand temperature upto 80 deg. C including all special fittings of composite material (engineering plastic blend and brass inserts wherever required) i.e. elbows, tees, reducers, couplers & connectors etc. with clamps at 1.00 metre spacing. This includes the costs of cutting chases and including testing of joints complete as per direction of Engineer-in-charge.				

SL. NO.	DSR 2012	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
		Concealed installation including cutting chases and making good the walls etc. complete				
	18.2.1	1216 (16mm OD) pipe	Mtr	50	297.95	14897.50
	18.2.2	1620 (20mm OD) pipe	Mtr	125	340.60	42575.00
22	18.3	Providing & fixing Polyethene Aluminim Polyethene (PE-AL-PE) composite pressure pipes conforming to IS-15450-2004 U.V. stabilized with carbon black having thermal stability for hot & cold water supply, capable to withstand temperature upto 80 deg. C including all special fittings of composite material (engineering plastic blend and brass inserts wherever required) i.e. elbows, tees, reducers, couplers & connectors etc. with trenching,refilling and testing of joints complete as per direction of Engineer-in-charge.				
		External work				
	18.3.6	4050 (50mm OD) Pipe	Mtr	29.4	558.75	16427.25
23	18.13	Making connection of GI distribution branch with GI main of following sizes by providing & fixing tee, including cutting and threading the pipe etc. complete.				
	18.13.2	50-80 mm nominal bore	Each	1	630.15	630.15
24	18.17	Providing and fixing gun metal gate valve with CI wheel of approved quality (screwed end).				
	18.17.1	25mm nominal bore	Each	4	372.95	1491.80
	18.17.2	32mm nominal bore	Each	2	450.90	901.80
	18.17.3	40mm nominal bore	Each	2	546.05	1092.10
	18.17.4	50mm nominal bore	Each	2	780.60	1561.20

SL. NO.	DSR 2012	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
25	18.18	Providing and fixing ball valve (brass) of approved quality. High or low pressure, with plastic floats complete.				
	18.18.1	15mm nominal bore	Each	2	258.05	516.10
26	18.19	Providing and fixing gun metal non-return valve of approved quality (screwed end).				
	18.19.1	25mm nominal bore				
	18.19.1.1	Horizontal	Each	1	383.45	383.45
	18.19.2	32mm nominal bore				
	18.19.2.1	Horizontal	Each	1	490.25	490.25
	18.19.3	40mm nominal bore				
	18.19.2.2	Horizontal	Each	1	620.25	620.25
	18.19.4	50mm nominal bore				
	18.19.2.3	Horizontal	Each	2	936.35	1872.70
27	18.41	Providing & fitting sand of grading zone V or coarser grade around the GI pipes in external work:				
	18.41.6	50mm diameter pipe	Mtr	1	61.40	61.40
28	18.27	Providing & laying S&S centrifugally cast (spun) iron pipes (Class LA) conforming to IS-1536				
	18.27.3	100mm dia pipe	Mtrs	60.00	1476.70	88602.00
29	18.49	Providing & fixing CP brass bib cock of approved quality conforming IS 8931:				
	18.49.1	15mm nominal bore	Each	56.00	397.50	22260.00

SL. NO.	DSR 2012	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
30	18.52	Providing and fixing CP brass stop cock (concealed) of standard design and approved make confirming to IS: 8931.				
a)	18.52.1	15mm nominal bore	Each	117.00	426.55	49906.00
		TOTAL FOR SCHEDULE ITEMS (WATER SUPPLY)				265222.11
		NON-SCHEDULE ITEMS :(WATER SUPPLY)				
31	NS	Providing and fixing CI cover with frame for RCC UGT / OHT				
a)		a) 560 mm dia internal dia DI cover with frame (Heavy duty total weight of the cover not less than 60 Kg)	Each	2.00	3448.28	6896.55
32	NS	Providing and fixing monoblock centrifugal pumping set with gun metal impeller with totally enclosed fan colled squirrel cage induction motor capable of discharging 100 LPM against 60m head complete with flow and pressure dial guage, base plate priming arrangement, with wiring, panel & equipments for water level controller to start / stop the pump automatically with protection for dry run etc. complete in all respects.	Each	2.00	34482.76	68965.52
33	NS	Supplying instalation testing and commisioning of RO/Water Cooler				
	a)	Water Cooler	Each	4.00	21724.14	86896.55
	b)	RO	Each	4.00	19396.55	77586.21
34	NS	Providing and placing on terrace (at all floor levels) polyethylene water storage tank IS:12701 marked with cover & suitable locking arrangement and making necessary holes for inlet, outlet & overflow pipes but without fittings and the base support for tank.	Litre	1500.00	9.66	14482.76
		TOTAL FOR NON-SCHEDULE ITEMS :(WATER SUPPLY)				254827.59
	D)	SEWERAGE (INTERNAL):				

SL. NO.	DSR 2012	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
35	19.1	Providing, laying & jointing glazed stoneware pipes grade 'A' with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete				
a)	19.1.1	100 mm diameter	Mtr	10.00	150.10	1501.00
36	19.2	Providing and laying cement concrete 1:5:10 (1 cement: 5 coarse sand : 10 graded stone aggregate 40mm nominal size) around SW pipes including bed concrete as per standard design.				
a)	19.2.1	100 mm dia RCC pipe	Mtr	10.00	496.90	4969.00
37	19.4	Providing and fixing square - mouth SW gully trap grade 'A' complete with CI grating brick masonry chamber with water tight CI Cover with frame of 300x300mm size (inside) the weight of cover to be not less than 4.50 Kg. and frame to be not less than 2.70 Kg as per standard design.				
a)	19.4.1	100x100mm size 'P' type				
	19.4.1.1	With FPS bricks class designation 75.	Each	3.00	1256.35	3769.00
38	19.6	Providing and laying non-pressure NP2 class (light duty) RCC pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of the joints etc. complete.				
a)	19.6.2	150 mm dia RCC pipe	Mtr	150.00	254.50	38175.00

SL. NO.	DSR 2012	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
39	19.7	Constructing brick masonry manhole in cement mortar 1:4 (1 cement: 4 coarse sand) RCC top slab with 1:2:4 mix (1 cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size), fondation concrete 1:4:8 (1 cement: 4 coarse sand: 8 graded stone aggregate 40 mm nominal size) inside plastering 12 mm thick with cement mortar 1:3 (1 cement: 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregated 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design.				
a)	19.7.1	Inside size 90 x 80 cm and 60 cm deep including CI cover with frame (light duty) 455 x 610 mm internal dimensions total weight of cover and frame to be not less than 38 kg) (weight of the cover 23 kg and weight of frame 15 kg).				
	19.7.1.1	With FPS bricks with class designation 75	Each	5.00	7132.00	35660.00
40	19.16	Providing orange colour safety foot rest of minimum 6 mm thick plastic encapsulated as per IS:10910 on 12mm dia steel bar comforming to IS:1786 having minimum cross section as 23mm x 25mm and over all minimum length 263 mm and width as 165mm with minimum 112mm space between protruded legs having 2mm tread on top surface by ribbing or chequiring besides necessary & adequate anchoring projections on tail length on 138mm as per standard drawing and suitabbe to with stend the bend test and chemical resistance test as per specifications and having manufacture's permanent identification mark to be visible even after fixing, including fixing in manholes with 30x20x15cm cement concrete block 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size) complete as per design.	Each	25.00	256.75	6419.00
		TOTAL FOR SCHEDULE ITEMS				90493.00

SL. NO.	DSR 2012	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
	E)	EARTH WORK(INTERNAL PLUMBING WORK)				
		SCHEDULE ITEMS				
41	2.6	Earth work in excation over areas (excluding 30cm in depth, 1.5 in width as well as 10 sq.mt in plan) including disposal of excavated earth lead upto 50m and lift upto 1.5 m disposed earth to be levelled and neatly dressed.				
a)	2.6.1	All kind of soil	Cum	150.00	129.35	19403.00
42	2.10	Excavating trenches of required width for pipes, cables, etc. including excavation for sockets and refessing of sides, ramming of bottom depth upto 1.5m including getting out the excavated soil, and then returning the soil as required in layers not exceeding 20mm in depth including consolidating earth deposited layer by ramming, watering etc. and disposing of surplus excavated soil as directed within a lead of 50m.				
a)	2.10.1	All kinds of soil				
	2.10.1.2	Pipes, cables etc. exceeding 80mm dia but not exceeding 300mm dia	Mtr	40.00	165.60	6624.00
43	2.25	Filling available excavted earth (excluding rock) in trenches, plinth sides of foundations etc. in layet not exceeding 20 cm in depth consolidation earth deposited layer by ramming and watering lead upto 50m and lift upto 1.5m	cum	75.00	83.80	6285.00
		TOTAL FOR EARTH WORK				32312.00

ABSTRACT OF COST FOR ACADEMIC BLOCK				
SL.NO.	DESCRIPTION		AMOUNT AS PER	
			DSR'2012	MARKET
1	INTERNAL ELECTRICAL, UPS SYSTEM		2856194.00	3805967.00
2	LAN SYSTEM			1697531.03
3	LIFT			1724138.00
	Total		2856194.00	7227636.03

**NATIONAL BUILDINGS CONSTRUCTION CORPORATION LIMITED
COUNSULTANCY DIVISION**

NAME OF PROJECT :CONSTRUCTION WORK OF NEILET, AGARTALA

NAME OF WORK : PROVIDING INTERNAL ELECTRICAL INSTALLATIONS IN ACADEMIC BLOCK AT NEILET, AGARTALA

S.NO.	DSR NO.	DESCRIPTION	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
(A): SCHEDULE ITEMS						
1	1.10	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FR PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FR PVC insulated copper conductor single core cable etc as required.				
a)	1.10.3	Group C	Point	633	664.00	420312.00
2	1.11	Wiring for twin control light point with 1.5 sq.mm FR PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, 2 way modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FR PVC insulated copper conductor single core cable etc as required.	Point	8	710.00	5680.00
3	1.12	Wiring for light/power plug with 2x4 Sq.mm FR PVC insulated, copper conductor, single core cable in surface/recessed PVC conduit alongwith 1 No. 4 Sq.mm FR PVC insulated copper conductor single core cable for loop earthing as required.	Metre	924	162.00	149688.00
4	1.13	Wiring for light/power plug with 4x4 Sq.mm FR PVC insulated, copper conductor, single core cable in surface/recessed PVC conduit alongwith 2 Nos. 4 Sq.mm FR PVC insulated copper conductor single core cable for loop earthing as required.	Metre	396	268.00	106128.00
5	1.14	Wiring for circuit/sub main wiring alongwith earth wire with the following sizes of PVC insulated copper conductor, single core cable in surface/recessed PVC conduit as required.				
a)	1.14.1	2x1.5 Sqmm + 1x1.5 Sq.mm (For circuit wiring)	Metre	4420	107.00	472940.00
b)	1.14.4	2x6 Sqmm + 1x6 Sq.mm	Metre	100	206.00	20600.00
b)	1.14.5	2 X 10 sq. mm + 1 X 10 sq. mm earth wire	Metre	100	310.00	31000.00
d)	1.14.9	4x6 Sqmm + 2x6 Sq.mm	Metre	100	358.00	35800.00
e)	1.14.10	4x10 Sqmm + 2x10 Sq.mm	Metre	200	562.00	112400.00
f)	1.14.11	4 X 16 sq. mm + 2 X 16 sq. mm earth wire (for A.C System)	Metre	1200	789.00	946800.00
6	1.24	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.				
a)	1.24.3	15/16 amp switch	Each	323	109.00	35207.00
b)	1.24.4	3 pin 5/6 amp socket outlet	Each	969	96.00	93024.00

S.NO.	DSR NO.	DESCRIPTION	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
7	1.25	Supplying and fixing stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	Each	232	322.00	74704.00
8	1.26	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	Each	40	22.00	880.00
9	1.27	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required.				
a)	1.27.1	1 or 2 Module (75mmX75mm)	Each	24	142.00	3408.00
b)	1.27.3	4 Module (125mmX75mm)	Each	6	173.00	1038.00
c)	1.27.4	6 Module (200mmX75mm)	Each	6	221.00	1326.00
d)	1.27.5	8 Module (125mmX125mm)	Each	323	255.00	82365.00
10	1.32	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.	Each	33	366.00	12078.00
11	1.35	Erection of wall bracket /ceiling fittings of all sizes and shapes containing upto two GLS lamps per fitting, complete with all accessories including connection etc. as required.	Each	88	39.00	3432.00
12	1.41	Installation, testing and commissioning of prewired fluorescent fitting/compact fluorescent fitting of all types, complete with all accessories and tubes etc. directly on ceiling/wall including connection 1.5 Sqmm FR PVC insulated, copper conductor, single core cable and earthing etc. as required.	Each	305	69.50	21198.00
13	1.44	Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable etc. as required.	Each	232	73.50	17052.00
14	1.49	Numbering of ceiling fan/exhaust fan/ fluorescent fittings as required.	Each	537	19.50	10471.50
15	1.50	Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required.				
a)	1.50.1	Upto 450 mm sweep	Each	8	163.00	1304.00
16	1.51	Extra for fixing the louvers/ shutters complete with frame for a exhaust fan of all sizes.	Each	8	68.50	548.00
17	2.4	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)				
a)	2.4.4	4 way (4 + 12), Double door	Each	14	1654.00	23156.00
b)	2.4.5	6 way (4 + 18), Double door	Each	4	2047.00	8188.00
c)	2.4.6	8 way (4 + 24), Double door	Each	9	2529.00	22761.00

S.NO.	DSR NO.	DESCRIPTION	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
18	2.10	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
a)	2.10.1	Single pole	Each	402	141.00	56682.00
19	2.11	Supplying & fixing single pole blanking plate in the existing MCB DB complete etc. as required.	Each	6	5.50	33.00
20	2.15	Supplying and fixing following rating, four pole, (three phase and neutral), 415 volts, residual current circuit breaker (RCCB), having a sensitivity current upto 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
a)	2.15.1	25 Amps	Each	12	1679.00	20148.00
b)	2.15.2	40 Amps.	Each	12	1703.00	20436.00
c)	2.15.3	63 amps	Each	3	1965.00	5895.00
21	2.18	Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top alongwith 20 amps "C" curve, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.	Each	35	693.00	24255.00
22	5.2	Earthing with GI earth pipe 4.5 m long, 40mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal / coke and salt as required.	Set	4	3385.00	13540.00
23	5.9	Supplying and laying 25 mm X 5 mm G.I strip at 0.50 metre below ground as strip earth electrode, including connection/ terminating with nut, bolt, spring, washer etc. as required. (Jointing shall be done by overlapping and with 2 sets of G.I nut bolt & spring washer spaced at 50mm)	Metre	10	97.50	975.00
24	5.18	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing along with existing surface/ recessed conduit/ submain wiring/ cable as required.	Metre	38	19.50	741.00
TOTAL SCHEDULE ITEMS						2856194.00
(B)	NON-SCHEDULE ITEMS:					
25	NS	Supplying of light fittings complete with all standard accessories as required.				
a)		1x13 W CFL. Fitting Surface mounted as per Decon Product. No 03XA with Lamp or similar specification of other approved makes.	Each	24	964.83	23156.00
b)		2x11 W CFL. Wall Surface mounted as per Bajaj Product. No BSM 211 CFL W2EB with Lamp or similar specification of other approved makes.	Each	56	1035.17	57970.00
c)		1x18 W CFL. Bulk Head Fitting Surface mounted as per LUSTRE Product. No 6217 with Lamp or similar specification of other approved makes.	Each	8	1482.76	11862.00

S.NO.	DSR NO.	DESCRIPTION	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
26	NS	Supplying of light fittings complete with all standard accessories of the following type as required.				
a)		1x28 W Fl. Fitting as per Bajaj Product. No BLPR 128 with lamp or similar specification of other approved makes.	Each	71	1108.97	78737.00
b)		2x36 W Fl. Fitting as per Bajaj Product. No BCIR 236 W2EB with lamp or similar specification of other approved makes.	Each	234	932.41	218185.00
27	NS	Supplying of approved make ceiling fan of double ball bearing of the following sizes with resistance type regulator and its all accessories suitable for operation on 230V single phase, 50 Hz, AC supply complete as required.				
a)		1200mm sweep (USHA/GEC/ CROMPTON/ BAJAJ/HAVELLS)	Each	232	1318.62	305920.00
28	NS	Exhaust Fan of the following sizes and its all accessories suitable for operation on 230V single phase, 50 Hz, AC supply complete as required.				
a)		380 mm sweep (HAVELLS/CROMPTON/ BAJAJ)	Each	8	2433.79	19470.00
29	NS	Supplying installation, testing commissioning of telephone tag block or similar specification of other approved makes. of the following sizes				
a)		10 Pair	Each	1	623.45	623.00
30	NS	Supplying installation, testing & commissioning of RJ 45 Single Module Socket or similar specification of other approved makes. of the following sizes	Each	307	285.52	87654.00
31	NS	Supplying installation, testing & commissioning of Raceway complete G.I fitting of the following Ampere rating as required.				
a)		200 Amps	Metre	238	506.90	120641.00
b)		100 Amps	Metre	195	327.59	63879.00
32	NS	Supplying installation, testing & commissioning of Junction Box complete G.I fitting of the following size as required.				
a)		250 x 250 x 60 mm	Each	34	579.31	19697.00
b)		150 x 150 x 60 mm	Each	62	365.52	22662.00
33		Supplying installation, testing & commissioning of Centralised UPS System complete of the following rating as required.				
a)		20 KVA	Each	3	390986.21	1172959.00
		PANEL-I:				

S.NO.	DSR NO.	DESCRIPTION	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
34	MR	Supply, installation, testing & commissioning of LT extendable panel suitable for operation on 415V, 50 Hz, 3 phase, 4 wire, AC system capable of withstanding fault level of 25 KA, 415 volts. The panel shall be indoor, free floor standing, metal clad, power coated, dust & vermin proof, compartment type enclosure of IP-42 & fabricated out of 2mm thick CRCA sheet with necessary bus bar and cable alleys and foundation channel of 100x50x6mm. The incoming and outgoing feeders shall be accommodated in a multi-tier arrangement, painting, earthing, sign writing, numbering shall be complete with foundation channel of 100x50x6mm as per specifications & single line diagram and comprise of the following switchgear and accessories: (Shop drawing to be got approved by the Engineer-In-Charge prior to fabrication).	Set	1	74800.00	74800.00
		INCOMER				
	a)	1 No.- 160A, 4 Pole MCCB(Ics=Icu,Ui=1000V), having breaking capacity of 25KA with adjustable type thermo-magnetic fault release				
		1 No. Digital type Ammeter with ASS of suitable range with CTs of suitable class & capacity.				
		1 No. Digital type Voltmeter 0-500V With VSS				
		1 Set - Phase indicating lamps.				
		1 Set - HRC backup fuses.				
		BUS-BAR				
		1 Set- 160A, TPN electrolytic aluminium bus-bar for complete panel suitable for 25 KA fault level covered with colour coded PVC sleeves.				
		OUTGOING				
		Outgoing MCCBs having Ics =Icu ,Ui = 1000Vof the following rating to be provided:				
	a)	4 Nos.- 63A, 3 Pole MCB, having breaking capacity of 10KA .				
	b)	6 Nos.- 40A, 3 Pole MCB, having breaking capacity of 10KA .				
		PANEL-II:				
35	MR	Supply, installation, testing & commissioning of LT extendable panel suitable for operation on 415V, 50 Hz, 3 phase, 4 wire, AC system capable of withstanding fault level of 25 KA, 415 volts. The panel shall be indoor, free floor standing, metal clad, power coated, dust & vermin proof, compartment type enclosure of IP-42 & fabricated out of 2mm thick CRCA sheet with necessary bus bar and cable alleys and foundation channel of 100x50x6mm. The incoming and outgoing feeders shall be accommodated in a multi-tier arrangement, painting, earthing, sign writing, numbering shall be complete with foundation channel of 100x50x6mm as per specifications & single line diagram and comprise of the following switchgear and accessories: (Shop drawing to be got approved by the Engineer-In-Charge prior to fabrication).	Set	1	79475.86	79476.00

S.NO.	DSR NO.	DESCRIPTION	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
		INCOMER				
	a)	1 No.- 125A, 4 Pole MCCB(Ics=Icu,Ui=1000V), having breaking capacity of 25KA with adjustable type thermo-magnetic fault release				
		1 No. Digital type Ammeter with ASS of suitable range with CTs of suitable class & capacity.				
		1 No. Digital type Voltmeter 0-500V With VSS				
		1 Set - Phase indicating lamps.				
		1 Set - HRC backup fuses.				
		BUS-BAR				
		1 Set- 125A, TPN electrolytic aluminium bus-bar for complete panel suitable for 25 KA fault level covered with colour coded PVC sleeves.				
		OUTGOING				
		Outgoing MCCBs having Ics =Icu ,Ui = 1000Vof the following rating to be provided:				
	a)	20 Nos.- 32A, 3 Pole MCB, having breaking capacity of 10KA .				
	b)	4 Nos.- 32A, 1 Pole MCB, having breaking capacity of 10KA .				
36	NS	Supplying, installation, testing & commissioning of 2.0 Ton Split type Air- Conditioning system with all standard accessories i.e. M.S Frame, Copper pipe (upto 4 mtrs.) with insulation, Drain pipe, Stabilizer as required.	Each	35	41379.31	1448276.00
TOTAL NON-SCHEDULE ITEMS					RS.	3805967.00

**NATIONAL BUILDINGS CONSTRUCTION CORPORATION LIMITED
COUNSULTANCY DIVISION**

NAME OF PROJECT :CONSTRUCTION WORK OF NEILET, AGARTALA

NAME OF WORK : PROVIDING LAN SYSTEM INSTALLATIONS IN ACADEMIC BLOCK AT NEILET, AGARTALA

S. No.	Item Description	Unit	Qty	Unit Price	Amount
1	CAT 6 Cable Box(305mtrs)	Box	23.00	7789.66	179162.07
2	CAT 6 Jack Panel 24 port Loaded (Data)	Nos.	14.00	7586.21	106206.90
3	Patch Cord(4 feets for Data Workstation)	Nos.	325.00	286.21	93017.24
4	Patch Cord (7 feets for Data Rack End)	Nos.	325.00	275.86	89655.17
5	I/O (Work Station End)	Nos.	325.00	275.86	89655.17
6	FACE PLATE (DUPLEX)	Nos.	325.00	148.28	48189.66
RACK AND ACCESSORIES					
1	42U Close Rack with Accessories (PDU 5/15 Amp-2 Nos., Mounting Hardware@10 per rack 20 Nos.Fan (2Nos.) and casters (Packet of 4), front glass door with lock & keys, Cable Manager 14 Nos.	Nos.	2.00	74482.76	148965.52
CISCO SWITCH FOR DATA					
1	Cisco catalyst 2960 21 10/100 +2 T /SFP LAN base image warranty 5 years	Nos.	8.00	51241.38	409931.03
2	Cisco GE SFP, LC Connector SX transreciever	Nos.	8.00	29448.28	235586.21
SERVICES					
1	Laying of Cat-6 cable	mtr	6500.00	10.34	67241.38
2	I/O terminaton	Nos.	325.00	72.41	23534.48
3	Fixing of jack pannel	Nos.	14.00	1475.86	20662.07
4	Installation of rack	Nos.	2.00	1655.17	3310.34
5	Fixing of plate/SMB	Nos.	325.00	41.38	13448.28
6	Ferulling, Scanning and documentation	Nos.	325.00	137.93	44827.59
7	Installation of Cisco switch and configuration	Nos.	8.00	10344.83	82758.62
8	Configuration and management of network	Nos.	1.00	41379.31	41379.31
GRAND TOTAL					1697531.03

**NATIONAL BUILDINGS CONSTRUCTION CORPORATION LTD.
COUNSULTANCY DIVISION**

NAME OF PROJECT :CONSTRUCTION WORK OF NEILET, AGARTALA

NAME OF THE WORK: DETAILED COST ESTIMATE OF PASSENGERS LIFTS AT ACADEMIC BLOCK AT NEILET, AGARTALA

S.NO.	DESCRIPTION	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
NON SCHEDULE ITEMS					
1	Supplying, installation, testing & commissioning of 13 passengers (884 kg.) lifts having contract speed of 1 MPS serving different floors in the lift shaft as per detailed specifications enclosed and as under:	SET	1	1724137.93	1724138.00
	Location of lifts: ACADEMIC BLOCK BLOCK AT NEILET, AGARTALA				
i)	Speed: 1.0 mtr. Per second				
ii)	Floor : Ground floor to 3rd floor				
ii)	Travel : 14.4 mtrs. (4 Floors x 3.6 mtr. height)				
iv)	Stops & opening: 4 stops & 4 openings				
v)	Controller: AC variable voltage & variable frequency.				
vi)	Automatic rescue device complete with dry maintenance free batteries as required.				
vii)	Operation: Microprocessor based simplex selective collective with/without attendant				
viii)	Power: 415V, 3 phase, 50 Hz, 4 wires system				
ix)	Type of doors:				
a)	Car: Power operated, centre opening, horizontal sliding stainless steel scratch proof (moon rock finish)				
b)	Landing doors: MS doors finished with spray painting of approved shade.				
c)	A hand rail not less than 600mm long at 900mm above floor level to be fixed adjacent to control panel in the lift car.				
d)	Voice announcement system in the car to announce the position of the elevator in the hoistway as the car passes or stops at a floor served by the elevator.				
	GRAND TOTAL			Rs.	1724138.00

NAME OF THE PROJECT: CONSTN. OF PROPOSED ACADEMIC BLOCK FOR NIELIT AT AGARTALA

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
	HORTICULTURE & LANDSCAPING:					
1	23.1	Trenching in ordinary soil up to a depth of 60cm including removal and stacking of serviveable materials and then disposing of by spreading and neatly leveling with in a lead of 50m and making up the trenched area to proper levels by filling with earth or earth mixed with sludge or/and manure before and after flooding trench with water (excluding cost of impored earth, sludge or manure)	Cum	100.00	30.90	3090.00
2	23.2	Supplying & stackng of good earth at site including royalty and carriage up to 1 km (earht measured in stacks will be reduced by 20% for Payment).	Cum	100.00	260.70	26070.00
3	23.4	Supplying & stackng at site dump manur from Badli or other approved source, including carriage upto 1 km (manure measured in stacks will be reduced by 8% for payment).				
a)	23.4.1	Screened through sieve of IS designation 20mm	Cum	35.00	138.30	4840.50
4	23.5	Rough dressing the trenched ground including breaking clods.	100 Sqm	10.00	59.85	598.50
5	23.6	Uprooting weeds from the trenched area after 10 to 15 days of its flooding with water including disposal of uprooted vegetation	100 Sqm	10.00	194.05	1940.50
6	23.7	Fine dressing the ground	100 Sqm	10.00	145.90	1459.00
7	23.8	Spreading of sludge, dump manure or/and good earth in required thickness (cost of sludge, dump manure or/and good earth to be paid separately).	Cum	35.00	21.00	735.00
8	23.9	Mixing earth and sludtge or manure in proportion specified or directed	Cum	150.00	14.35	2152.50
9	23.10	Grassing with 'Doob' grass including watering and maintenance of the lawn for 30 days or more till the grass forms a thick lawn free from weeds and fit for mowing including supplying good earth if needed (the good earth shall be paid for separately).				

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
a)	23.10.3	In rows 5 cm apart in either direction	100 Sqm	20.00	700.25	14005.00
10	23.13	Preparation of beds for hedging and shrubbery by excavating 60cm deep and trenching the excavated base to a further depth of 30cm,refilling the excavated earth after breaking clods and mixing with sludge or manure in the ratio of 8:1 (8 parts of stacked volume of earth after reduction by 20% : one part of stacked volume of sludge or manure after reduction by 8%), flooding with water, filling with earth if necessary, watering and finally fine dressing, leveling etc.including stacking and disposal of materials declared unserviceable and surplus earth by spreading and leveling as directed, within a lead of 50m lift up to 1.5 m complete (cost of sludge, manure or extra earth to be paid for separately).	Cum	110.00	87.50	9625.00
11	23.16	Providing and fixing M S flat iron tree guard 60cm dia. And 2m height above ground level formed of 4 nos. 25x6mm and 8 nos 25x3mm vertical M.S. flats rivetted to 3 nos. 25x6mm M S flat iron rings in two halves, bolted together with 8mm dia. And 30mm long bolts including painting two coats with paint of approved brand and manufacture over a coat of priming, complete in all respect.	Each	40.00	2580.60	103224.00
12	23.19	Edging with bricks laid dry length wise including excavation, refilling, consolidating with had packing and spreading nearly suruplus earth with a lead of 50m				
a)	23.19.1	75 class designation				
(i)	23.19.1.1	F P S Brick	metre	450.00	23.55	10597.50
		TOTAL SCHEDULED ITEMS				178337.50
		NON-SCHEDULED ITEMS				
13	NS	Supply / planting the sapling of trees shady, flowering and fruits of height upto 600 mm i/c all excavation in dia 1 meter and depth 1.5meter with good earth/manure in required proportion making Thaola etc and watering complete (The cost of good earth and manure will be paid saperately) Types of trees/sapling should be Cycus palm,Fycus (black), aero coria, Red salsa, Dry cina nohtane , Fycus Rizonald etc as per the Engineer-In-charge.	Each	40.00	379.31	15172.41
14	NS	Supply and planting Goldern Durrente complete in all respect as per the instruction of Engineer-In-charge.	Each	40.00	11.72	468.97
		TOTAL NON-SCHEDULE ITEMS				15641.38

NATIONAL BUILDINGS CONSTRUCTION CORPORATION LIMITED

"CONSULTANCY DIVISION"

NAME OF THE PROJECT: CONSTRUCTION. OF PROPOSED ADMINISTRATION BLOCK FOR NIELIT AT AGARTALA,TRIPURA

ABSTRACT OF COST

S.NO.	DESCRIPTION	AMOUNT AS PER DSR 2012 (RS.)	AS PER MARKET RATE (RS.)		
1.0	CIVIL WORK MAIN BUILDING	25144176.85	7615296.38		
2.0	INTERNAL & EXTERNAL PLUMBING WORKS	745364.77	166379.31		
3.0	FIRE FIGHTING		717669.72		
4.0	INTERNAL ELECTRICAL WORK, LAN SYSTEM , LIFT, UPS SYSTEM AND AIR CONDITIONING	1687757.00	4048988.59		
5.0	HORTICULTURE & LANDSCAPING:	178337.50	15641.38		
	TOTAL	27755636.12	12563975.38		

**NAME OF THE PROJECT: CONSTRUCTION OF PROPOSED ADMINISTRATION BLOCK FOR NIELIT AT AGARTALA, TRIPURA
ABSTRACT OF COST**

SL.NO.	DESCRIPTION	AMOUNT BASED ON		
		DSR-2012 (RS.)	NON SCHEDULED MARKET RATE	
1	CARRIAGE OF MATERIAL	3311.50		
2	EARTH WORK	1283040.40		
3	CONCRETE WORK	761137.85	16034.48	
4	RCC WORK	11036408.25		
5	BRICK WORK	13293.00	2371777.76	
6	MARBLE WORK	3121850.70		
7	WOOD WORK	446026.25	772413.79	
8	STEEL WORK	394000.05	406896.55	
9	FLOORING WORK	2878603.50	482344.83	
10	ROOFING WORK	655200.90		
11	FINISHING WORK	2218224.50	91034.48	
12	ALUMINIUM WORK	1742652.70	3425379.31	
13	WATER PROOFING WORK	590427.25		
14	MISCELLANEOUS ITEMS		49415.17	
		(A)	25144176.85	(B)
			7615296.38	

**NAME OF THE PROJECT: CONSTRUCTION. OF PROPOSED ADMINISTRATION BLOCK FOR NIELIT AT
AGARTALA,TRIPURA**

CIVIL WORKS						
SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
CARRIAGE OF MATERIALS						
1	1.1.	By mechanical transport including loading, unloading & stacking				
	1.1.1	Lime,moorum,Building rubbish				
a)		1 KM	Cum	50.00	66.23	3311.50
		TOTAL CARRIED OVER TO SUMMARY				3311.50
EARTH WORK:						
2	2.6	Earth work in excavation by mechanical means (Hydraulic excavator/manual means over areas (exceeding 30cm in depth , 1.5m in width as well as 10 sqm on plan) including disposal of excavated earth,lead upto 50m and lift upto 1.5m disposed earth to be levelled and neatly dressed.				
a)	2.6.1	All kinds of soil.	cum	380.00	129.35	49153.00
3	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering lead upto 50 mtrs. and lift upto 1.5 mtr.	cum	2880.00	83.80	241344.00
4	2.27	Supplying and filling in plinth with local sand under floors including watering, ramming consolidating and dressing complete.	Cum	293.00	749.30	219544.90
5	2.34	Supplying chemical emulsion in sealed containers including delivery as specified.				
a)	2.34.1	Chlorpyriphos/Lindane Emulsifiable concentrate of 20%.	Ltr.	130.00	185.95	24173.50
6	2.35	Diluting and injecting chemical chemical emulsion for POST CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion)				

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
a)	2.35.3	Treatment of soil under existing floors using chemical emulsion @ one ltr. Per hol, 300mm apart including drilling 12mm diameter holes and plugging with cement mortar 1:2 (1 cement: 2 coarse sand) to match the existing floor.				
i)	2.35.3.1	With Chlorpyriphos /Lindane E C. 20% with 1% concentration.	Sqm	1100.00	88.25	97075.00
7	16.3	Supplying and stacking at site:				
a)	16.3.9	Good earth	Cum	2500.00	260.70	651750.00
		TOTAL CARRIED OVER TO SUMMARY				1283040.40
		CONCRETE WORK:				
8	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level:				
a)	4.1.3	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	cum	70.00	4514.05	315983.50
b)	4.1.6	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)	cum	67.00	3888.20	260509.40
c)	4.1.8	1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)	cum	26.00	3593.30	93425.80
9	4.2	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing coarses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets etc. upto floor five level, excluding the cost of centering, shuttering and finishing:				
a)	4.2.5	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	cum	7.00	4782.35	33476.45

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
10	4.11	Providing and laying damp-proof coarse 50mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5 mm nominal size)	Sqm	52.00	254.70	13244.40
11	4.12	Extra for providing and mixing water proofing material 'Impermo' or equivalent in cement concrete work @ 1 kg. Per 50 Kg. of cement.	per 50 kg. cement	350.00	35.35	12372.50
12	4.13	Applying a coat of residual petroleum bitumen of penetration 80/100 of approved quality using 1.7 kg. Per Sqm on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in Kerosene oil.	Sqm	52.00	96.65	5025.80
13	4.17	Making Plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 Coarse sand :6 graded stone aggregate 20mm nominal size) over 75 mm bed of dry bricks ballast 40mm nominal size well rammed and consolidated and grouted with fine sand including finishing the top smooth.	Sqm	80.00	338.75	27100.00
		TOTAL CARRIED OVER TO SUMMARY				761137.85
		NON-SCHEDULE ITEM:				
14	NS	Providing and laying in position dry brick ballast 40mm nominal size and grouted with fine sand including finishing the top smooth upto floor five level.	Cum	25.00	641.38	16034.48
		TOTAL CARRIED OVER TO SUMMARY				16034.48
		RCC WORK:				
15	5.9	Centring and shuttering including strutting, propping etc. and removal of form for:				
a)	5.9.1	Foundations, footings, bases of columns etc. for mass concrete.	sqm	500.00	166.90	83450.00
b)	5.9.2	Walls (any thickness) including attached pilasters, butteresses, plinth and string courses etc.	sqm	100.00	285.15	28515.00
c)	5.9.3	Suspended floors, roofs, landings, balconies and access platform.	sqm	2000.00	311.20	622400.00

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
d)	5.9.4	Shelves (Cast in situ)	sqm	200.00	311.20	62240.00
e)	5.9.5	Lintels, beams, plinth beams, girders, bressumers and cantilevers.	sqm	2110.00	262.25	553347.50
f)	5.9.6	Columns, Pillars, Piers, Abutments, posts and Struts	sqm	880.00	365.60	321728.00
g)	5.9.7	Stairs, (excluding landings) except spiral-staircases.	sqm	40.00	326.30	13052.00
h	5.9.13	Vertical and horizontal fins individually or forming box louvers band, facias and eaves boards	sqm	150.00	470.10	70515.00
i)	5.9.15	Small lintels not exceeding 1.5m clear span, moulding as in cornices, window sills, string courses, bands, copings, bed plates, anchor blocks and the like.	sqm	150.00	166.90	25035.00
j)	5.9.16	Edges of slabs and breaks in floors and walls				
k	5.9.16.1	Under 20 cms wide	Mtr.	250.00	99.45	24862.50
l)	5.9.18	Small surfaces such as cantilever ends, brackets and ends of steps, caps	sqm	100.00	398.35	39835.00
m	5.9.19	Weather shade, chajjas, corbels etc. including edges.	sqm	125.00	411.10	51387.50
16	5.18	Providing precast cement concrete Jali 1:2:4 (1 cement: 2 coarse sand: 4 stone aggregate 6mm nominal size) reinforced with 1.6mm dia mild steel wire including centring & shuttering roughening cleaning, fixing and finishing in cement mortar 1:3 (1 cement: 3 fine sand) etc. complete excluding plastering of the jambs, sills and soffits.				
a)	5.18.1	50mm thick	Sqm	30.00	598.15	17944.50
17	5.22	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete				
a)	5.22.6	Thermo-Mechanically Treated bars	Kg.	21000.00	62.25	1307250.00
18	5.22 A	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete				

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
a)	5.22A.6	Thermo-Mechanically Treated bars	Kg.	68080.00	62.25	4237980.00
19	5.33	Providing and laying in position machine batched, machine mixed and machine vibrated design mix cement concrete of specified grade for reinforced cement concrete work including pumping of concrete to site of laying but excluding the cost of centring, shuttering, finishing and reinforcement-including admixture in recommended proportions as per IS:9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge.				
		Note-cement content considered in this item is @330kg/cum. Excess/less cement used as per design mix is payable /recoverable separately).				
a)	5.33.1	All works upto plinth level	Cum	175.00	5242.15	917376.25
b)	5.33.2	All works above plinth level upto floor five level	Cum	460.00	5781.50	2659490.00
		TOTAL CARRIED OVER TO SUMMARY				11036408.25
20	6.15	Extra for providing and placing in position 2 Nos. 6 mm dia MS bars at every third course of half brick masonry (with FPS bricks)	Sqm	210.00	63.30	13293.00
		TOTAL CARRIED OVER TO SUMMARY				13293.00
		NON-SCHEDULE ITEM:				
21	NS	Brick work with FPS bricks of class designation 100 in foundation & plinth in:				
a)		Cement mortar 1:6 (1 cement: 6 coarse sand)	Cum	35.00	3964.20	138747.00
22	NS	Brick work with F.P.S. bricks of class designation 100 in superstructure above plinth level up to floor V level in all shapes and sizes in:				
a)		Cement mortar 1:6 (1 cement: 6 coarse sand)	Cum	495.00	4160.34	2059370.69

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
23	NS	Brick work in plain arches in superstructure including centering and shuttering complete for span upto 6m with F.P.S. brick of class designation 100 in cement mortar 1:3 (1 cement: 3 coarse sand).	Cum	10.00	6484.53103	64845.31
24	N.S	125mm brick masonry with FPS bricks of class designation 100 in supersructure above plinth in level upto floor V level				
a)		Cement mortar 1:4 (1 cement: 4 coarse sand)	Sqm	210.00	518.17	108814.76
TOTAL CARRIED OVER TO SUMMARY						2371777.76
		MARBLE WORK:				
25	8.2	Providing and fixing 18mm thick gang saw cut mirror (polished premoulded and prepolished) machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size of approved shade, colour and texture laid over 20mm thick base cement mortar 1:4 (1 cement: 4 coarse sand) with joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing curing, moulding and polishing to edge to give high gloss finish etc. complete at all levels.				
a)	8.2.1	White marble - Raj Nagar plain /udaipur green marble /zebra black marble				
i)	8.2.1.2	Area of slab over 0.50 Sqm	Sqm	16.00	1980.80	31692.80
26	8.2.2	Granite of any colour and shade				
i)	8.2.2.2	Area of slab over 0.50 Sqm	Sqm	1000.00	3083.40	3083400.00
27	8.3	Extra for providing edge moulding to 18mm thick marble stone counters, Vanities etc. Including machine polishing to edge to give high gloss finish etc. Complete as per design approved by Engineer-in-Charge.				

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
a)	8.3.1	Marble work.	Mtr.	40.00	105.70	4228.00
28	8.5	Extra for providing opening of required size & shape for wash basins / kitchen sink in kitchen platform, vanity counters and similar location in marble / Granite / stone work including necessary holes for pillar taps etc. Including rubbing and polishing necessary etc. complete.	Each	9.00	281.10	2529.90
		TOTAL CARRIED OVER TO SUMMARY				3121850.70
		WOOD WORK:				
29	9.1	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position.				
a)	9.1.1	Second class teak wood	cum	2.00	85813.30	171626.60
30	9.20	Providing and fixing ISI marked flush door shutters conforming to IS:2202 (Part-I) decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters.				
a)	9.20.1	35 mm thick including ISI marked stainless steel butt hinges with necessary screws.	Sqm	65.00	2159.05	140338.25
31	9.48	Providing and fixing MS grills of required pattern in frames of windows etc. with MS flats, square or round bars etc. all complete				
a)	9.48.2	Fixed to opening /wooden frames	Kg.	800.00	98.20	78560.00
32	9.96	Providing and fixing aluminium sliding door bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS: 1868) transparent or dyed to required colour or shade with nuts and screws etc. complete:				
a)	9.96.1	300 x 16 mm	Each	21.00	203.80	4279.80
b)	9.96.2	250 x 16 mm	Each	21.00	168.95	3547.95

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
33	9.97	Providing and fixing aluminium tower bolt ISI marked anodised (anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour or shade with necessary screws etc. complete:				
a)	9.97.1	300x10 mm	Each	42.00	100.40	4216.80
b)	9.97.2	250x10 mm	Each	42.00	86.45	3630.90
c)	9.97.4	150x10 mm	Each	22.00	59.00	1298.00
34	9.99	Providing and fixing 50cm long aluminium kicking plate 100x3.15mm anodised (anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour or shade with necessary screws etc. complete:	Each	2.00	155.35	310.70
35	9.83	Providing & fixing IS:3564 marked aluminium Die cast body tubular type universal hydraulic door closer with necessary accessories and screws etc. complete	Each	32.00	610.60	19539.20
36	9.100	Providing and fixing aluminium handles ISI marked anodised (anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour or shade with necessary screws etc. complete:				
a)	9.100.1	125 mm	Each	42.00	62.50	2625.00
b)	9.100.2	100 mm	Each	64.00	49.55	3171.20
37	9.101	Providing and fixing aluminium hanging floor door stopper ISI marked anodised (anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour or shade with necessary screws etc. complete:				
a)	9.101.2	Twin rubber stopper	Each	32.00	71.55	2289.60
38	9.103	Providing & fixing bright finished brass 100 mm mortice latch & lock ISI marked with 6 levers and a pair of anodised(anodic coating not less than grade AC 10 as per IS :1868) aluminium lever handles with necessary screws etc. complete (Best make of approved quality)	Each	15.00	706.15	10592.25
		TOTAL CARRIED OVER TO SUMMARY				446026.25

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
		NON-SCHEDULE ITEM:				
38A	NS	Providing and fixing partition from floor level upto 1200mm with frame work of good quality kail wood of size 50x50mm at spacing not exceeding 600 mm C/C in both the directions and fixing of with 9 mm thick commercial ply on both the surfaces and fixing 1mm thick laminate of approved brand & shade including making grooves as per instructions.and frome 1200mm upto ceiling height 10mm texture toughened glass fitted with wooden beat with Partition to have 50mm thick glass wool for Sound Insulation fixed between frames work including cedar wood/teak wood/steam beatch band at skirting including a moulding as per detailes complete with polishing the wooden surfaces with melamine polish with making of base as per manufacturer's specification and design to the satisfication of the Architect /Engineer-in-charge.	Sqm	60.00	2758.62	165517.24
38B	NS	Providing and fixing partition from floor level upto 900mm with frame work of good quality kail wood of size 50x50mm at spacing not exceeding 600 mm C/C in both the directions and fixing of with 9 mm thick commercial ply on both the surfaces and fixing 1mm thick laminate of approved brand & shade including making grooves as per instructions.and frome 900mm upto 1200mm height 10mm texture toughened glass fitted with wooden beat with Partition to have 50mm thick glass wool for Sound Insulation fixed between frames work including cedar wood/teak wood/steam beatch band at skirting including a moulding as per detailes complete with polishing the wooden surfaces with melamine polish with making of base as per manufacturer's specification and design to the satisfication of the Architect /Engineer-in-charge.	Sqm	160.00	3793.10	606896.55
		TOTAL CARRIED OVER TO SUMMARY				772413.79

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
		STEEL WORK				
39	10.5	Providing and fixing 1mm thick MS sheet door with frame of 40x40x6mm angle iron and 3mm MS gusset plates at the junctions and corners, all				
a)	10.5.1	Using MS angle 40x40x6mm for diagonal braces.	Sqm	2.10	2551.45	5358.05
40	10.11	Providing & fixing factory made ISI marked steel glazed doors, windows and ventilators side/top/central hung with beading and all members such as K11B and K12B etc. complete of standard rolled steel sections, joints mitred and flash butt welded and sash bars tenoned and riveted with 15x3mm lugs, 10cm long, embedded in cement concrete blocks 15x10x10cm of 1:3:6 (1 cement: 3 coarse sand: 6 graded stone aggregate 20mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with fixing clips or with bolts and nuts as required, including providing and fixing of hinges, pivots, float glass panes with glazing clips and special metal sash putty of approved make and a priming coat of approved steel primer, excluding the cost of metal beading and other fittings except necessary hinges or pivots complete as per approved design.	Kg.	50.00	96.30	4815.00
41	10.13	Providing & fixing T-iron frames for doors, windows & ventilators of mild steel T-sections, joints mitred and welded with 15x3 mm lugs, 10 cm long, embedded in cement concrete blocks 15x10x10 cm of 1:3:6 (1 cement: 3 coarse sand: 6 graded stone aggr. 20 mm nominal size) or with wooden plugs & screws or rawl plugs and screws or with dash fasteners or with fixing clips or with bolts and nuts as required, including fixing of necessary butt hinges & screws and applying a priming coat of approved steel primer.	Kg.	50.00	73.30	3665.00

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
42	10.14	Providing and fixing pressed steel door frames conforming to IS:4351 manufactured from commercial mild steel sheet of 1.25 mm thickness including hinges, jamb, lock jamb, bead and if required angle threshold of mild steel angle of section 50x 25 mm, or base ties of 1.25 mm pressed mild steel welded or rigidly fixed together by mechanical means, adjustable lugs with split end tail to each jamb including steel butt hinges 2.5 mm thick with mortar guards, lock strike-plate and shock absorbers as specified and applying a coat of approved steel primer after pre-treatment of the surface as directed by the Engineer-in-charge.				
a)	10.14.1	Profile B				
i)	10.14.1.1	Fixing with adjustable lugs with split end tail to each jamb	Mtr	10.00	346.75	3467.50
43	10.25	Steel work welded in built up sections/framed work including cutting hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required				
a)	10.25.2	In gratings, frames, guard bar, ladders, railings, brackets, gates & similar works	Kg.	150.00	77.90	11685.00
44	10.18	Providing and fixing circular/hexagonal cast iron or MS sheet box for ceiling fan clamp of internal dia 140mm, 73mm height, top lid of 1.5mm thick M.S. sheet with its top surface hacked for proper bonding, top lid shall be screwed into the cast iron/ MS box by means of 3.3mm dia round headed screws, one lock at the corners. Clamps shall be made of 12mm dia M.S. bar bent to shape as per standard drawing.	Each	110.00	117.45	12919.50
a)	10.26	Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing & staircase railing including applying a priming coat of approved steel primer.				
i)	10.26.1	MS tube	Kg.	200.00	86.45	17290.00

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
45	10.28	Providing and fixing stainless steel (grade 304)railing made of Hollow tubes , channels , plates etc , including welding grinding , buffing ,polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete ,l/c fixing the railing with necessary accessories &stainless steel dash fasteners ,stainless steels bolts etc ,of required size ,on the top of the floor or the side of waist slab with suitable arrangment as per approval of Engineers -in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accesories such as nuts ,bolts, fasteners etc	Kg	600.00	558.00	334800.00
		TOTAL CARRIED OVER TO SUMMARY				394000.05
		NON-SCHEDULE ITEM:				
45A	NS	Providing and fixing stainless steel (grade 304) Hollow tubes , for space frames with suitable arrangment as per approval of Engineers -in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accesories such as nuts ,bolts, fasteners etc	Kg	1000.00	406.90	406896.55
		TOTAL CARRIED OVER TO SUMMARY				406896.55

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
		FLOORING WORK				
46	11.4	52 mm thick cement concrete flooring with concrete hardener topping under layer 40 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand: 4 graded stone aggregate 20 nominal size) and top layer 12 mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix: 2 stone aggregate 6 mm nominal size) by volume hardening compound is mixed @ 2 Ltrs per 50 kg. of cement or as per manufacturer specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete	Sqm	40.00	420.50	16820.00
47	11.6	Cement plaster skirting (upto 30 cm height) with cement mortar 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement.				
a)	11.6.1	18 mm thick	Sqm.	50.00	258.20	12910.00
48	11.13	Providing & fixing glass strips in joints of terrazo/cement concrete floors.				
a)	11.13.1	40 mm wide and 4 mm thick	Mtr.	10.00	29.40	294.00
49	11.16	Precast terrazo tiles 22 mm thick with graded marble chips of size upto 12 mm laid in floors, and landings, jointed with neat cement slurry mixed with pigment to match the shade of the tiles including rubbing and polishing complete with precast tiles on 20 mm thick bed of cement mortar 1:4 (1 cement: 4 coarse sand)				
a)	11.16.1	Light shade using white cement	Sqm	100.00	769.35	76935.00
50	11.23	Marble stone flooring with 18 mm thick marble stone (sample of marble shall be approved by Engineer-In-Charge) over 20mm (average) thick base of 1:4 (1 cement: 4 coarse sand) laid and jointed with grey cement slurry including rubbing and polishing complete with:				
a)	11.23.2	Raj nagar plain	Sqm	150.00	1265.35	189802.50
b)	11.23.5	Udaipur green marble	Sqm	50.00	1418.95	70947.50

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
51	11.25	Extra for marble stone flooring in treads of steps and risers using single length upto 2mtr..	Sqm	40.00	230.55	9222.00
52	11.26	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete with base of cement mortar 1:4 (1 cement: 4 coarse sand)				
a)	11.26.1	25 mm thick	Sqm	150.00	945.70	141855.00
53	11.27	Kota stone slab 25 mm thick in risers of steps, skirting dado and pillars laid on 12 mm(average) thick cement mortar 1:3 (1 cement : 3 coarse sand) & jointed with grey cement slurry mixed with pigment to match the shade of the slabs including rubbing and polishing complete.	Sqm	50.00	954.10	47705.00
53A	11.33	25mm wooden planking , tongued and grooved in flooring , including fixing with iron screws complete with:				
a)	11.33.2	Second class deodar wood	Sqm	400.00	2045.60	818240.00
54	11.36	Providing & fixing 1st quality ceramic glazed wall tiles conforming to IS:15622 (thickness to be specified by the manufacturer) of approved make in all colours, shades except Burgundy, bottle green, black of any size as approved by Engineer-in-charge in skirting, risers of steps & dados over 12 mm thick bed of cement mortar 1:3 (1 cement :3 coarse sand) and jointing with grey cement slurry @3.3 Kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	Sqm	120.00	724.25	86910.00
55	11.39	Providing & laying rectified glazed ceramics floor tiles 300x300mm or more (thickness to be specified by the manufacturer) of 1st quality conforming to IS:15622 of approved make in colours White, Ivory, Grey, Fume, Red Brown, laid on 20 mm thick cement mortar 1:4 (1 cement :4 coarse sand) including grouting the joints with white cement and matching pigments etc. complete.	Sqm	75.00	931.50	69862.50

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
56	11.41	Providing & laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorptions less than 0.08% and conforming to IS:15622 of approved make in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement: 4 coarse sand) including grouting the joints with white cement and matching pigments etc. complete.				
a)	11.41.2	Size of tile 60x60cm	Sqm	1000.00	1337.10	1337100.00
		TOTAL CARRIED OVER TO SUMMARY				2878603.50
		NON-SCHEDULE ITEM:				
57	NS	Providing and laying pioneer tiles including all accessories of approved quality and specification as per drawings and directions of Engineer-In - Charge .	Sqm	650.00	742.07	482344.83
		TOTAL CARRIED OVER TO SUMMARY				482344.83
		ROOFING WORK				
58	12.21	Providing gola 75x75mm in cement concrete 1:2:4 (1 cement: 2 coarse sand: 4 stone aggregate 10mm and down gauge) including finishing with cement mortar 1:3 (1 cement: 3 fine sand) as per standard design:				
a)	12.21.1	In 75x75mm deep chase	Mtr.	125.00	109.05	13631.25
59	12.22	Making khuras 45x45cm with average minimum thickness of 5cm cement concrete 1:2:4 (1 cement :2 coarse sand: 4 graded stone aggregate of 20 mm nominal size) over PVC sheet 1m x 1m x 400micron, finished with 12mm cement plaster 1:3 (1cement: 3 coarse sand) and a coat of neat cement rounding of the edges and making and finishing the outlet complete.	Each	15.00	148.75	2231.25

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
60	12.38	Providing and fixing MS holder bat clamps of approved design to C.I. or S.C.I. rain water pipes embedded in and including cement concrete blocks 10 x 10 x 10 cm of 1:2:4 mix (1 cement:2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and cost of cutting holes and making good the walls etc.				
a)	12.38.2	For 150 mm dia pipe	Each	20.00	121.80	2436.00
61	12.39	Providing lead caulked joints to sand cast iron rain water pipes and fittings:				
a)	12.39.2	For 150 mm dia pipe	Each	20.00	287.10	5742.00
62	12.40	Providing and fixing on wall face unplasticised-Rigid PVC rain water pipes conforming to IS:13592 Type A including jointing with seal ring conforming to IS:5382 leaving to 10mm gap for thermal expansion. (i) Single socketed pipes:				
a)	12.40.1.1	150mm diameter	Mtrs	100.00	407.85	40785.00
63	12.42	Providing and fixing on wall face unplasticised- PVC moulded fittings/accessories for unplasticised-Rigid PVC rain water pipes conforming to IS:13592 Type A including jointing with seal ring conforming to IS:5382 leaving to 10mm gap for thermal expansion.				
a)	12.42.1	Coupler				
i)	12.42.1.2	110mm	Each	16.00	130.25	2084.00
b)	12.42.5	Bend 87.5"				
i)	12.42.5.2	110mm bend	Each	16.00	156.95	2511.20
c)	12.42.6	Shoe (plain)				
i)	12.42.6.2	110mm shoe	Each	16.00	287.05	4592.80

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
64	12.43	Providing and fixing unplasticised- PVC pipe clips of approved design to unplasticised-PVC rain water pipes by means of 50x50x50mm hard wood plugs, screwed with MS screws of required length including cutting brick work and fixing in cement mortar 1:4 (1 cement:4 coarse sand) and making good the walls etc. complete.				
a)	12.43.2	110mm	Each	16.00	144.60	2313.60
65	12.44	Providing & fixing to the inlet mouth of rain water pipe cast iron grating 15cm diameter and weighing not less than 440 gms.	Each	16.00	32.75	524.00
66	12.45	Providing and fixing at all height false ceiling including providing and fixing of frame work made of special sections power pressed from MS sheet and galvanised in accordance with zinc coating of grade 350 as per IS:277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 22 mm and 37 mm at 1200 mm centre to centre one flange fixed to the ceiling with dash fastner 12.5 mm dia x 40 mm long with 6 mm dia bolts to the angle hangers of 25x25x0.55 mm of required length and other end of angle hanger being fixed with nut and bolts to GI channels 45 mm x 15 mm x 0.9 mm running at the rate of 1200 mm centre to centre to which the ceiling section 0.5 mm thick bottom wedge of 80mm with tapered flanges of 26mm each having clips of 10.5mm at 450mm centre to centre shall be fixed in a direction perpendicular to GI channel with connecting clips made out of 2.64mm dia x 230mm long GI wire at every junction including fixing the gypsum board with ceiling section and perimeter channels				

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
		0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre to centre with 25 mm long drive all screws @ 230 mm interval including jointing and fixing to a flush finish of tapered and square edges of the gypsum board with recommended filler, paper tapes, manufacturers specification and also including the coat of making openings for light fittings, grills diffusers, cutouts made with frame of perimeter channels suitably fix all complete as per drawing and specification and direction of the Engineer-in-Charge but excluding the cost of painting with:				
a)	12.45.1	12.5 mm thick tapered edge gypsum board conforming to IS:2095- Part-I.	Sqm	157.00	691.40	108549.80
67	12.53	Providing and Fixing 15 mm thick densified tegular edged eco friendly light weight calcium silicate false ceiling tiles of approved texture spintone/ cosmos/ Hexa or equivalent of size 595 x 595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanised section (galvanising @ 120 grams per sqm including both side) consisting of main 'T' runner suitably spaced at joints to get required length and of size 24x38 mm made from 0.33 mm thick (minimum) sheet, spaced 1200 mm centre to centre, and cross "T" of size 24x28 mm made out of 0.33 mm (minimum) sheet, 1200 mm long spaced between main 'T' at 600 mm centre to centre to form a grid of 1200x600 mm and secondary cross 'T' of length 600mm and size 24x28 mm made of 0.33 mm thick (minimum) sheet to be inter locked at middle of the 1200x600 mm panel to form a grid 600x600 mm, resting on periphery walls / partitions on a Perimeter wall angle pre-coated steel of size (24x24x3000 mm) made of 0.40 mm thick (minimum) sheet with the help of rawl plugs at 450 mm centre to centre with 25 mm long dry wall screws @ 230 mm interval and laying 15 mm thick densified	Sqm	300.00	1566	469800.00

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
		edges calcium silicate ceiling tiles of approved texture (Spintone/ Cosmos/ Hexa) in the grid, including cutting/ making opening for services like diffuser, grills, light fittings, fixtures, smoke detector etc. wherever required. Main 'T' runners to be suspended from ceiling using G.I slotted cleats of size 25x35x1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm G.I adjustable rods with galvanised steel level clips of size 85x30x0.8 mm, spaced at 1200 mm centre to centre along main 'T' bottom exposed with 24 mm of all T-section shall be pre-painted with polyster baked paint, for all heights, as per specifications, drawings and as directed by engineer-in-charge. Note:- Only calcium silicate false ceiling area will be measured from wall to wall. No deduction shall be made for exposed frames/ opening (cut outs) having area				
		less than 0.30 sqm. The calcium silicate ceiling tile shall have NRC value of 0.50 (Minimum), light reflection > 85%, non - combustible as per B.S 476 part IV, 100% Humidity resistance and also having thermal conductivity < 0.043 w/m 0KC.				
		TOTAL CARRIED OVER TO SUMMARY				655200.90
		FINISHING:				
68	13.4	12mm cement plaster of mix :				
a)	13.4.2	1:6 (1 cement : 6 coarse sand)	Sqm	6000.00	112.50	675000.00
69	13.7	12mm cement plaster finished with a floating coat of neat cement of mix :				
a)	13.7.1	1:4 (1 cement : 4 fine sand)	Sqm	100.00	107.80	10780.00
70	13.12	18 mm cement plaster in two coats under layer 12mm thick cement plaster 1:5 (1 cement : 5 coarse sand) and a top layer 6mm thick cement plaster 1:3 (1 cement: 3 coarse sand) finished rough with sponge.	Sqm	400.00	123.50	49400.00
71	13.5	15mm cement plaster on rough side of single or half brick wall of mix:				

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
a)	13.5.2	1:6 (1 cement : 6 Coarse sand)	Sqm	2200.00	130.20	286440.00
72	13.16	6 mm cement plaster to ceiling of mix :				
a)	13.16.1	1:3 (1 cement : 3 fine sand)	Sqm.	2000.00	101.00	202000.00
73	13.23	Extra for plastering on circular work not exceeding 6m in radius:				
a)	13.23.1	In one coat	Sqm.	300.00	13.65	4095.00
74	13.26	Providing and applying plaster of paris putty of 2mm thickness over plastered surface to prepare the surface even and smooth complete.	Sqm.	5200.00	83.80	435760.00
75	13.37	White washing with lime to give an even shade				
a)	13.37.1	New work (three or more coats)	Sqm.	200.00	11.75	2350.00
76	13.41	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade.				
a)	13.41.1	New work (two or more coats) over and including priming coat with cement primer	Sqm	1300.00	66.70	86710.00
77	13.47	Finishing walls with Premium Acrylic Smooth exterior paint with "Silicone additives of required shade				
a)	13.47.1	New work (two or more coats applied @1.43 ltr/10 sqm over and including base coat of water proofing cement paint applied @2.20kg/10sqm)	Sqm	2000.00	80.45	160900.00
78	13.60	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade :				
a)	13.60.1	Two or more coats on new work	Sqm	3300.00	60.25	198825.00
79	13.45	Finishing walls with textured exterior paint of required shade				
a)	13.45.1	New work (two or more coats applied @ 3.28 Ltr/ 10 Sqm) over and including base coat of water proofing cement paint applied @ 2.20 Kg./ 10 Sqm.	Sqm	350.00	117.70	41195.00
80	13.50	Applying priming coat:				

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
a)	13.50.1	With ready mixed pink or grey primer of approved brand and manufacturer on wood work (hard & soft wood)	sqm	350.00	25.85	9047.50
81	13.58	Providing and applying two coats of Fire retardent paint unthunned on cleaned wood/ply surface @ 3.5 sqm per litre per coat including preparation of base surface asper recommendation of manufacture to make the surface fire retardent.	Sqm	30.00	267.15	8014.50
a)	13.61	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :				
b)	13.61.1	Two or more coats on new work	Sqm	350.00	53.85	18847.50
82	13.76	Forming groove of uniform size from 12x12mm and 25x15mm in plastered surface as per approved pattern using wooden battens, nailed to the under layer including removal of wooden battens, repair to the edges of panel and finishing the groove complete as per specifications and direction of the Engineer-In-Charge.	Mtr.	400.00	72.15	28860.00
		TOTAL CARRIED OVER TO SUMMARY				2218224.50
		NON-SCHEDULE ITEM:				
82A	NS	Providing and fixing wall with texture paint in inteior wall with a base coat of silicon based poly under seal coat and applying texture of desired shade & pattern with roller/spray as per approved design with final coat of poly urithin PC-100A or equivalent transparent coating for 100% wash ability elasticity and water proofing of texture for longer & dust proof life of texture paint as per manufacturer specifications or direction of engineer in charge complete with all scaffolding material and labour etc.	Sqm	300.00	303.45	91034.48
		TOTAL CARRIED OVER TO SUMMARY				91034.48

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
		ALUMINIUM WORK:				
83	21.1	Providing & fixing aluminium work for doors, windows, ventilators & partitions with extruded built up standard tubular sections/ appropriate Z-sections and other sections of approved make conforming to IS: 733 & IS:1285, fixed with rawl plugs and screws or with fixing clips, or with expansion hold fastners including necessary filling up of gaps at junctions, at top bottom and sides with required of PVC/neoprene felt etc. Aluminium sections shall be smooth, rust free, straight, mitred & jointed mechanically wherever required including cleat angle, aluminium snap beading for glazing/panelling C.P. brass/ Stainless Steel screws, all complete as per architectural drawings & the directions of Engineer-In-Charge. (Glazing and panelling to be paid for separately).				
a)	21.1.1	For fixed portion				
i)	21.1.1.1	Anodized aluminium (anodized transparent or dyed to required shade according to IS:1868, Minimum anodic coating of grade AC 15).	Kg.	1200.00	358.30	429960.00
b)	21.1.2	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of PVC/ neoprene gasket required. (Fittings shall be paid for separately)				
i)	21.1.2.1	Anodized aluminium (anodized transparent or dyed to required shade according to IS:1868, Minimum anodic coating of grade AC 15).	Kg.	1210.00	406.50	491865.00
84	21.4	Providing & fixing double action hydraulic floor spring of approved brand and manufacture IS:6315 marked, for doors including cost of cutting floors as required, embedding in floors and cover plates with brass pivot and single piece MS sheet outer box with slide plate etc. complete as per the direction of Engineer-In-charge.				
a)	21.4.1	With stainless steel cover plate	Each	1.00	1953.10	1953.10

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
85	21.13	Providing & fixing 100mm brass locks (best make of approved quality) for aluminium doors including necessary cutting and making good etc. complete.	Each	1.00	356.10	356.10
86	21.15	Providing & fixing aluminium casement window fastener of required length for aluminium windows with necessary screws etc. complete.				
a)	21.15.1	Anodized(AC15) aluminium.	Each	30.00	50.50	1515.00
87	21.16	Providing & fixing aluminium round shape handle of outer dia 100mm with SS screws etc. complete as per direction of Engineer-incharge.				
a)	21.16.1	Anodized(AC15) aluminium.	Each	30.00	60.95	1828.50
88	21.3	Providing and fixing glazing in aluminium doors, windows, ventilator shutters & partitions etc. with PVC/ neoprene gasket etc. complete as per architectural drawings and the directions of Engineer-In -Chage (Cost of aluminium snap beading shall be paid in basic item).				
a)	21.3.2	With float glass panes of 5.5 mm thickness	Sqm	900.00	905.75	815175.00
		TOTAL CARRIED OVER TO SUMMARY				1742652.70
		NON-SCHEDULE ITEM:				
89	NS	Supply and installation Aluminium Composite Panel with 3105 Alloy grade Aluminium skin's, 0.5mm thickness on both sides with PVDF Coating upper side (Kynar 70% Min- 26 microns) & PU coating on back side(6 to 8 microns) and bonded together by "DUPONT" adhesive film of 30 – 50 µ, by Hot Process or Catalytic Fusion process. Central Core of Virgin, UV Stabilised, of 70 % LDPE grade "22 FA 002", 30 % HDPE grade "E5201"). The protective film on outer face should be of 80 microns. facture of Aluminium Composite Panel in India, having an ISO 9001 certification.Fixing of Aluminium Composite Panel with Aluminium frame work of alloy grade 6065 Series. Sealents should be follow ASTM C 920-87 and for Sealing Matetrial ASTM C 509-90.of approved quality and specification as per drawings and directions of Engineer-In -Chage	Sqm	100.00	2620.69	262068.97

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
90	NS	Supply and Installation of aluminium semi unitised Structural Glazing system to support / hold glass of approved make having main frame work of mullions and transomes of designed extruded sections to with stand a wind pressure of 150 kg./ sqm. and fabricated fixed at all levels, elevation & heights. The extruded section shall be finished, with electrolytic anodised colour, to be approved by architects, of extruded section shall be finished, with electrolytic anodised colour, to be approved by architects, of minimum 20 microns. Extruded section shall be of 6063 T6 Alloy or BSH9 conforming to IS-63400. Rate shall include fixing of the main frames to Concrete structure with necessary clamps, fastening straps, nuts, bolts,	Sqm	875.00	3034.48	2655172.41
		and flashing, approved structural silicon sealant of recommended grade from DOW corning or equivalent etc. complete for a full proof system. SEALANT – The glass units are to be glued to separate glass panel subframes made out of suitable aluminium section with specified/approved structural manufacturer. The structural silicone sealant of a suitable bite size to be applied as per design and system approved by the manufacturers in writing for this project. After proper curing and testing by Sealant Manufacturer. Each panel to be fixed to main frame individually with SS fastners. After aligning the panels to correct line/level				
		the gaps between glass to be sealed with weather Silicon Sealant of approved make. Cost of fixing the Double glass panels to be included in the ssystem. SYSTEM – the system to be designed to take horizontal and vertical movement Upto 10mm for every floor and capable of withstanding wind pressure of 150 kpa .all				
		as per drawing. The system design should be generic to accommodate double glass as maybe required and Sqm. 805 4394.66 3537703.65 gasket based, designed with chamber for ressure equalization. Main frame to be assembeled as per design				
		required and fixed to prefixed clamps with bolt/nut and washer. The framework thus fixed to be properly				
		aligned and leveled to required grid work. The glass frames suitably glazed as described above with glass				

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
		specified is then fixed to main frame. The gaps between panels are properly sealed with weather sealant or				
		EPDM weather pressure gasket to ensure no leakage and work completed as per design and specification.				
		.S.S. Fastners S S 316 to be of HILTI / FISHER make.Note: Cost of Glass shall be paid seperately .				
91	NS	Supply and fixing single Insulated Glass Comprissing of 6 mm Thk Toughened Low -E glass of Coollite series + 12 mm Air Gap + 6mm thick clear toughened glass.	Sqm	400.00	1241.38	496551.72
92	NS	Providing and fixing glazing in aluminium doors, windows, ventilator shutters & partitions etc. with PVC/ neoprene gasket etc. complete as per architectural drawings and the directions of Engineer-In -Chage (Cost of aluminium snap beading shall be paid in basic item).				
		With 10mm thickness Texture toughened glass	Sqm	8.00	1448.28	11586.21
		TOTAL CARRIED OVER TO SUMMARY				3425379.31

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
WATER PROOFING:						
93	22.5	Providing and laying water proofing treatment in sunken portion of WCs, bathrooms etc. by applying cement slurry mixed with water proofing cement comopund consisting of applying: a) First layer of slurry of cement @ 0.488 kg./Sqm mixed with water proofing cement comound @ 0.253 kg./Sqm. This layer will be allowed to air cure for 4 hours. b) Second layer of slurry of cement @ 0.242 kg./Sqm mixed with water proofing cement comopund @ 0.126 kg./Sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours. The rate includes preparation of surface, treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry.	Sqm	75.00	215.15	16136.25
94	22.7	Providing and laying integral cement based water proofing treatment including preparation of suface as required for treatment of roofs, balconies, terraces condisting of following operations: a) Applying and grouting a slurry coat of neat cement using 2.75 kg./Sqm of cement admixed with water proofing compound conforming to IS:2645 and approved by Engineer-In-Charge over the RCC slab including adjoining walls upto 300mm height including cleaning the surface before treatment. b) Laying brick bats with mortar using broken bricks/brick bats 25mm to 115mm size with 50% of cement mortar 1:5 (1cement : 5 coarse sand) admixed with water proofing cement compound conforming to IS:2645 and approved by Engineer-In-Charge over 20mm thick layer of cement mortar of mix 1:5 (1 cement: 5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by the Engineer-In-Charge to required slope & treating similarly the adjoining walls upto 300 mm height including rounding of junctions of walls and slabs.				

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
		c) After two days of proper curing applying a second coat of cement slurry using 2.75 kg./sqm of cement admixed with water proofing comopound conforming to IS:2645 and approved by the Engineer-In-Charge. d) Finishing the surface with 20mm thick jointless cement mortar of mix 1:4 (1 cement : 4 coarse sand) admixed with water proofing compound conforing to IS:2645 and approved by the Engineer-In-charge including laying glass fibre cloth of approved quality in top layer of plaster and finally finishing the surface with trowel with neat cement slurry and making pattern of 300mmx 300mm square. e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test. All above operations to be done in order and as directed and specified by the Engineer-In-Charge.				
a)	22.7.1	With average thickness of 120mm and minimum thickness at khurra as 65mm.	Sqm	730.00	786.70	574291.00
		TOTAL CARRIED OVER TO SUMMARY				590427.25
		MISCELLANEOS ITEMS				
	NS	NON SCHEDULE ITEMS				
95		providing & fixing SS plates with words in eitching black/any colour as per detail,on SS plate 1mm thick crome plated				
a		SS plate for specific rooms-size 12"x8"	Each	30.00	1092.41	32772.41
b		SS plate for toilet-size 12"x6"	Each	8.00	819.31	6554.48
c		SS plate for floor number-size 8"x8"	Each	3.00	728.28	2184.83
d		SS plate for pull/push-size 2"x6"	Each	4.00	136.55	546.21
96	NS	providing & fixing signage 3mm thick acrylic sheet with Radium printing, with mat/gloss laminationSS plates with words in eitching black/any colour as per detail,on SS plate 1mm thick crome plated				
a	NS	EXIT plate- size 12"x6"	Each	3.00	819.31	2457.93
b	NS	Emergency plate - size 12"x6"	Each	3.00	819.31	2457.93
c	NS	NO SMOKING plate - size 12"x6"	Each	3.00	813.79	2441.38
	NS	TOTAL CARRIED OVER TO SUMMARY				49415.17

ABSTRACT OF COST FOR ADMINISTRATION BLOCK			
SL.NO.	DESCRIPTION	AMOUNT AS PER	MARKET
		DSR'2012	
1	SANITARY FIXTURES	118286.75	
2	SOIL, WASTE VENT PIPE	205885.00	
3	WATER SUPPLY (INTERNAL)	321130.02	166379.31
4	DRAINAGE(SEWERAGE)	76540.00	
5	EARTH WORK	23523.00	
	Total Cost	745364.77	166379.31

NAME OF THE PROJECT :CONSTN. ADMINISTRATION WING NELIT

NAME OF WORK: DETAILED COST ESTIMATE OF INTERNAL PLUMBING WORKS

SL. NO.	DSR 2012	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
A	SANITARY FIXTURE:					
1	17.1	Providing and fixing water closet squatting pan (Indian type WC pan) with 100mm sand cast iron P or S trap, 10 litres low level white PVC flushing cistern with manually controlled device (Handle lever) conforming to IS:7231 with all fittings & fixtures completes,including cutting and making good the walls and floors wherever required :				
a)	17.1.1	White Vitreous china Orissa pattern WC pan of size 580 x 440mm with integral type foot rest.	Each	3	2964.10	8892.30
2	17.3	Providing and fixing white vitreous china pedestal type water closet (European type) with seat & lid with CP brass hinges & rubber buffers, 10 ltr low level white viterous china flushing cistern & C.P. flush bend with fittings and C.I. brackets, 40mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete including painting of fittings and brackets, cutting & making good the walls and floors wherever required.				
a)	17.3.1	WC Pan with ISI marked white solid plastic seat and lid	Each	6	4220.8	25324.80
3	17.4	Providing and fixing white vitreous chine flat back or wall corner type lipped front urinal basin 430x260x350mm and 340x 410x265mm size respectively with automatic flushing cistern with standard flush pipe and CP brass spereaders with brass unions and GI clamps complete including painting of fittings brackets, cutting & making good the walls and floors wherever required.				
	17.4.2	Range of two urinal basins with 5 ltrs. White PVC automatic flushing cistern	Each	8.00	4652.80	37222.00

SL. NO.	DSR 2012	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
4	17.7	Providing and fixing wash basin with CI brackets, 15mm CP brass pillar taps, 32mm CP brass waste of standard pattern, including painting of fittings and brackets cutting & making good the walls, wherever required.				
	17.7.1	White vitrious china wash basin size 630 x 450mm with a pair of 15mm C.P. brass pillar taps	Each	12.00	1848.35	22180.00
5	17.10	Providing and fixing stainless steel A ISI: 304 (18/8) kitchen sink as per IS:13983 with CI brackets and stainless steel plug 40mm including painting of fittings & brackets, cutting and making good the walls wherever required.				
	17.10.1	Kitchen sink with drain board				
	17.10.1.1	Size 510x1040mm bowl depth 250mm	Each	2	6743.55	13487.10
6	17.28	Providing & fixing PVC waste pipe for sink or wash basin including PVC waste fittings complete				
	17.28.1	Semi rigid pipe				
	17.28.1.1	32mm dia	Each	14.00	59.50	833.00
7	17.31	Providing and fixing 600 x 450mm bevelled edge mirror of superior glass (of approved quality) complete with 6mm thick hard board ground fixed to wooden cleats with CP brass screws and washers complete.	Each	12.00	674.05	8089.00
8	17.34	Providing and fixing toilet paper holder				
	17.34.1	C.P brass	Each	9.00	250.95	2258.55
		TOTAL FOR SCHEDULE TIEMS(SANITARY FIXTURE)				118286.75

SL. NO.	DSR 2012	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
(B)	SOIL WASTE VENT PIPES AND FITTINGS:					
9	17.35	Providing and fixing soil, waste vent pipes				
a)	17.35.1	100mm dia				
	17.35.1.2	Centrifugally cast (spun) iron socketed pipe as per IS:3989.S&S pipe	Mtr	60.00	857.30	51438.00
b)	17.35.2	75mm dia				
	17.35.2.2	Centrifugally cast (spun) iron socketed pipe as per IS:3989.	Mtr	50.00	744.50	37225.00
10	17.37	Providing and fixing MS holder-bat clamps of approved design to Sand Cast iron/cast iron (spun) pipe embedded in and including cement concrete blocks 10x10x10 cm of 1:2:4 mix (1 cement: 2 coarse sand : 4 graded stone aggregate 20mm nominal size) including cost of cutting holes and making good the walls etc.				
	17.37.1	For 100mm dia pipe	Each	25	112.50	2813.00
	17.37.2	For 75mm dia pipe	Each	21	110.15	2295.00
11	17.38	Providing and fixing bend of required degree with access door insertion rubber washer 3mm thick bolts and nuts complete				
a)	17.38.1	100mm				
	17.38.1.2	Sand Cast iron S&S as per IS-3989	Each	10.00	353.25	3533.00
b)	17.38.2	75mm				
	17.38.2.2	Sand Cast iron S&S as per IS-3989	Each	8.00	281.15	2249.00
12	17.39	Providing and fixing plain bend of required degree				
a)	17.39.1	100mm				
	17.39.1.2	Sand Cast iron S&S as per IS-3989	Each	10.00	296.35	2964.00
b)	17.39.2	75mm				

SL. NO.	DSR 2012	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
	17.39.2.2	Sand Cast iron S&S as per IS-3989	Each	15.00	221.95	3329.00
13	17.40	Providing and fixing heal rest sanitary bend				
a)	17.40.1	100mm				
	17.40.1.2	Sand Cast iron S&S as per IS-3989	Each	7.00	342.80	2400.00
b)	17.40.2	75mm				
	17.40.2.2	Sand Cast iron S&S as per IS-3989	Each	10.00	297.45	2975.00
14	17.43	Providing and fixing single equal plain junction of required degree with access door, insertion rubber washer 3mm thick, bolts and nuts complete.				
b)	17.43.2	75x75x75mm				
	17.43.2.2	Sand Cast iron S&S as per IS-3989	Each	12.00	438.00	5256.00
15	17.56	Providing and fixing terminal guard				
a)	17.56.1	100mm				
	17.56.1.2	Sand Cast iron S&S as per IS-3989	Each	7.00	244.10	1709.00
b)	17.56.2	75mm				
	17.56.2.2	Sand Cast iron S&S as per IS-3989	Each	10.00	221.95	2220.00
16	17.57	Providing and fixing collars				
a)	17.57.1	100mm				
	17.57.1.2	Sand Cast iron S&S as per IS-3989	Each	43	238.25	10211.00
b)	17.57.2	75mm				
	17.57.2.2	Sand Cast iron S&S as per IS-3989	Each	36	169.25	6045.00

SL. NO.	DSR 2012	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
17	17.58	Providing lead caulked joints to sand cast iron/centrifugally cast (spun) iron pipes & fittings of dia				
a)	17.58.1	a) 100mm	Each	86	207.85	17816.00
b)	17.58.2	b) 75mm	Each	107	176.50	18961.00
18	17.60	Providing and fixing trap of self cleaning design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors.				
a)	17.60.2	a) 100mm inlet and 75mm outlet				
	17.60.2.1	Sand Cast iron S&S as per IS-3989	Each	25.00	838.85	20971.00
19	17.61	Cutting chases in brick masonry walls for following diameter sand cast iron/centrifugally cast (spun) iron pipes and making good the same with cement concrete 1:3:6 (1 cement: 3 coarse sand: 6 graded stone aggregate 12.5mm nominal size) including necessary plaster and painting in cement mortar 1:4 (1 cement: 4 coarse sand).				
a)	17.61.1	a) 100mm dia	Mtr.	20.00	252.10	5042.00
b)	17.61.2	b) 75mm dia	Mtr.	20.00	180.40	3608.00
20	17.65	Painting sand cast iron/centrifugally cast (spun) iron soil, waste vent pipes and fittings with paint of any colour such as chocolate grey or buff etc. over a coat of primer (of approved quality) for new work.				
a)	17.65.1	a) 100mm dia meter pipe	Mtr	60.00	28.75	1725.00
b)	17.65.2	b) 75mm dia meter pipe	Mtr	50.00	22.00	1100.00
		TOTAL FOR SCHEDULE ITEMS(SOIL WASTE VENT PIPES & FITTINGS)				205885.00
C)		WATER SUPPLY				
		SCHEDULE ITEMS				

SL. NO.	DSR 2012	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
21	18.1	Providing & fixing Polyethene Aluminim Polyethene (PE-AL-PE) composite pressure pipes conforming to IS-15450 U.V. stabilized with carbon black having thermal stability for hot & cold water supply, capable to withstand temperature upto 80 deg. C including all special fittings of composite material (engineering plastic blend and brass inserts wherever required) i.e. elbows, tees, reducers, couplers & connectors etc. with clamps at 1.00 metre spacing. This includetesting of joints complete as per direction of Engineer-in-charge.				
		Internal work -Exposed on wall				
	18.1.3	2025(16mm OD)pipe	Mtr	120.20	277.95	33409.59
	18.1.4	2532(16mm OD)pipe	Mtr	120.20	362.85	43614.57
	18.1.5	3240(16mm OD)pipe	Mtr	40.00	559.65	22386.00
22	18.2	Providing & fixing Polyethene Aluminim Polyethene (PE-AL-PE) composite pressure pipes conforming to IS-15450 U.V. stabilized with carbon black having thermal stability for hot & cold water supply, capable to withstand temperature upto 80 deg. C including all special fittings of composite material (engineering plastic blend and brass inserts wherever required) i.e. elbows, tees, reducers, couplers & connectors etc. with clamps at 1.00 metre spacing. This includes the costs of cutting chases and including testing of joints complete as per direction of Engineer-in-charge.				
		Concealed installation including cutting chases and making good the walls etc. complete				
	18.2.1	1216 (16mm OD) pipe	Mtr	93.75	297.95	27932.81
	18.2.2	1620 (20mm OD) pipe	Mtr	100	340.60	34060.00

SL. NO.	DSR 2012	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
23	18.3	Providing & fixing Polyethene Aluminim Polyethene (PE-AL-PE) composite pressure pipes conforming to IS-15450-2004 U.V. stabilized with carbon black having thermal stability for hot & cold water supply, capable to withstand temperature upto 80 deg. C including all special fittings of composite material (engineering plastic blend and brass inserts wherever required) i.e. elbows, tees, reducers, couplers & connectors etc. with trenching,refilling and testing of joints complete as per direction of Engineer-in-charge.				
		External work				
	18.3.6	4050 (50mm OD) Pipe	Mtr	24.4	558.75	13633.50
24	18.13	Making connection of GI distribution branch with GI main of following sizes by providing & fixing tee, including cutting and threading the pipe etc. complete.				
	18.13.2	50-80 mm nominal bore	Each	1	630.15	630.15
25	18.17	Providing and fixing gun metal gate valve with CI wheel of approved quality (screwed end).				
	18.17.1	25mm nominal bore	Each	4	372.95	1491.80
	18.17.2	32mm nominal bore	Each	4	450.90	1803.60
	18.17.3	40mm nominal bore	Each	2	546.05	1092.10
	18.17.4	50mm nominal bore	Each	2	780.60	1561.20
26	18.18	Providing and fixing ball valve (brass) of approved quality. High or low pressure, with plastic floats complete.				
	18.18.1	15mm nominal bore	Each	2	258.05	516.10
27	18.19	Providing and fixing gun metal non-return valve of approved quality (screwed end).				
	18.19.1	25mm nominal bore				

SL. NO.	DSR 2012	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
	18.19.1.1	Horizontal	Each	2	383.45	766.90
	18.19.2	32mm nominal bore				
	18.19.2.1	Horizontal	Each	2	490.25	980.50
	18.19.3	40mm nominal bore				
	18.19.2.2	Horizontal	Each	2	620.25	1240.50
	18.19.4	50mm nominal bore				
	18.19.2.3	Horizontal	Each	2	936.35	1872.70
28	18.27	Providing & laying S&S centrifugally cast (spun) iron pipes (Class LA) confirming to IS-1536				
	18.27.3	100mm dia pipe	Mtrs	60.00	1476.70	88602.00
29	18.49	Providing & fixing CP brass bib cock of approved quality conforming IS 8931:				
	18.49.1	15mm nominal bore	Each	33.00	397.50	13118.00
30	18.52	Providing and fixing CP brass stop cock (concealed) of standard design and approved make confirming to IS: 8931.				
a)	18.52.1	15mm nominal bore	Each	76.00	426.55	32418.00
		TOTAL FOR SCHEDULE ITEMS (WATER SUPPLY)				321130.02
		NON-SCHEDULE ITEMS :(WATER SUPPLY)				
32	NS	Providing and fixing CI cover with frame for RCC UGT / OHT				
a)		a) 560 mm dia internal dia DI cover with frame (Heavy duty total weight of the cover not less than 60 Kg)	Each	2.00	3448.28	6896.55

SL. NO.	DSR 2012	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
33	NS	Providing and fixing monoblock centrifugal pumping set with gun metal impeller with totally enclosed fan colled squirrel cage induction motor capable of discharging 50 LPM against 35m head complete with flow and pressure dial guage, base plate priming arrangement, with wiring, panel & equipments for water level controller to start / stop the pump automatically with protection for dry run etc. complete in all respects.	Each	2.00	24137.93	48275.86
34	NS	Supplying instalation testing and commisioning of RO/Water Cooler				
	a)	Water Cooler	Each	2.00	21724.14	43448.28
	b)	RO	Each	2.00	19396.55	38793.10
35	NS	Providing and placing on terrace (at all floor levels) polyethylene water storage tank IS:12701 marked with cover & suitable locking arrangement and making necessary holes for inlet, outlet & overflow pipes but without fittings and the base support for tank.	Litre	3000.00	9.66	28965.51724
		TOTAL FOR NON-SCHEDULE ITEMS :(WATER SUPPLY)				166379.31
	D)	SEWERAGE (INTERNAL):				
36	19.1	Providing, laying & jointing glazed stoneware pipes grade 'A' with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete				
a)	19.1.1	100 mm diameter	Mtr	10.00	150.10	1501.00
37	19.2	Providing and laying cement concrete 1:5:10 (1 cement: 5 coarse sand : 10 graded stone aggregate 40mm nominal size) around SW pipes including bed concrete as per standard design.				
a)	19.2.1	100 mm dia RCC pipe	Mtr	10.00	496.90	4969.00

SL. NO.	DSR 2012	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
38	19.4	Providing and fixing square - mouth SW gully trap grade 'A' complete with CI grating brick masonry chamber with water tight CI Cover with frame of 300x300mm size (inside) the weight of cover to be not less than 4.50 Kg. and frame to be not less than 2.70 Kg as per standard design.				
a)	19.4.1	100x100mm size 'P' type				
	19.4.1.1	With FPS bricks class designation 75.	Each	3.00	1256.35	3769.00
39	19.6	Providing and laying non-pressure NP2 class (light duty) RCC pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of the joints etc. complete.				
a)	19.6.2	150 mm dia RCC pipe	Mtr	50.00	254.50	12725.00
40	19.7	Constructing brick masonry manhole in cement mortar 1:4 (1 cement: 4 coarse sand) RCC top slab with 1:2:4 mix (1 cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size), fondation concrete 1:4:8 (1 cement: 4 coarse sand: 8 graded stone aggregate 40 mm nominal size) inside plastering 12 mm thick with cement mortar 1:3 (1 cement: 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregated 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design.				
a)	19.7.1	Inside size 90 x 80 cm and 60 cm deep including CI cover with frame (light duty) 455 x 610 mm internal dimensions total weight of cover and frame to be not less than 38 kg) (weight of the cover 23 kg and weight of frame 15 kg).				
	19.7.1.1	With FPS bricks with class designation 75	Each	6.00	7132.00	42792.00

SL. NO.	DSR 2012	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
41	19.16	Providing orange colour safety foot rest of minimum 6 mm thick plastic encapsulated as per IS:10910 on 12mm dia steel bar conforming to IS:1786 having minimum cross section as 23mm x 25mm and over all minimum length 263 mm and width as 165mm with minimum 112mm space between protruded legs having 2mm tread on top surface by ribbing or chequering besides necessary & adequate anchoring projections on tail length on 138mm as per standard drawing and suitable to withstand the bend test and chemical resistance test as per specifications and having manufacture's permanent identification mark to be visible even after fixing, including fixing in manholes with 30x20x15cm cement concrete block 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size) complete as per design.	Each	42.00	256.75	10784.00
		TOTAL FOR SCHEDULE ITEMS				76540.00
	E)	EARTH WORK(INTERNAL PLUMBING WORK)				
		SCHEDULE ITEMS				
42	2.6	Earth work in excation over areas (exceeding 30cm in depth, 1.5 in width as well as 10 sq.mt in plan) including disposal of excavated earth lead upto 50m and lift upto 1.5 m disposed earth to be levelled and neatly dressed.				
a)	2.6.1	All kind of soil	Cum	60.00	129.35	7761.00
43	2.10	Excavating trenches of required width for pipes, cables, etc. including excavation for sockets and refessing of sides, ramming of bottom depth upto 1.5m including getting out the excavated soil, and then returning the soil as required in layers not exceeding 20mm in depth including consolidating earth deposited layer by ramming, watering etc. and disposing of surplus excavated soil as directed within a lead of 50m.				
a)	2.10.1	All kinds of soil				
	2.10.1.2	Pipes, cables etc. exceeding 80mm dia but not exceeding 300mm dia	Mtr	80.00	165.60	13248.00

SL. NO.	DSR 2012	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
44	2.25	Filling available excavated earth (excluding rock) in trenches, plinth sides of foundations etc. in layer not exceeding 20 cm in depth consolidation earth deposited layer by ramming and watering lead upto 50m and lift upto 1.5m	cum	30.00	83.80	2514.00
		TOTAL FOR EARTH WORK				23523.00

NATIONAL BUILDINGS CONSTRUCTION CORPORATION LIMITED
(A GOVERNMENT OF INDIA ENTERPRISE)
CONSULTANCY DIVISION

NAME OF PROJECT: CONSTN. OF ADMINISTRATION BLOCK NELIT

ABSTRACT OF COST

S.NO.	DESCRIPTION	ESTIMATED COST AS PER DSR, 2012 (CIVIL WORK)	ESTIMATED COST AS PER DSR, 2012(ELECT. WORK)	AS PER MARKET RATE
(A)	FIRE FIGHTING	0.00	0	717669.72

**NATIONAL BUILDINGS CONSTRUCTION CORPORATION LIMITED
CONSULTANCY DIVISION**

NAME OF PROJECT: CONSTN. OF ADMINSTRATION BLOCK NELIT

S.NO.	NS/DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
A)		FIRE FITTING ITEMS (PLUMBING)				
	a)	NON-SCHEDULE ITEMS:				
1	NS	Supplying, installing, testing and commissioning of electric motor driven type automatic pressurisation, pump set suitable for automatic operation of terrace down comer system and consisting of the following (as per CPWD specifications Part V-1985) for fire fighting and its amendments).	set	2	61073.14	122146.28
a)		Fire pump with stainless steel impeller shall be horizontal end suction centrifuggaly type having a capacity of 900 LPM against a total head of 60m so as to ensure a minimum pressure of 3.0 kg/sqm at the highest and farthest out let at the specified flow complete with necessary provision for pressure gauge on the delivery side including bypass arrangement for periodic testing of the working of the pumping set as required. The pump shall be provided with mechanical seals.(The characteristics curves, model details are to be submitted for approval before purchase of the pumps)				
b)		Squirrel cage AC induction motor suitable for operation of 415V, +/- 10%, 3 phase 50 HZ, AC supply and of minimum 7.5 HP for the above pump with flexible coupling as per specification and conforming to IS 325-1978 and shall be TEFC type only.				
c)		Common base plate fabricated from mild steel channel or castiron type				
d)		Suitable cement concrete pump foundation with vibration damping arrangement with cushy foot mounting as required				
		Electric auto manual Panal	LS			37931.03

S.NO.	NS/DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
2	NS	Providing, fixing jointing and testing of heavy class GI pipe as per relevant IS:1239/3589 with special accessories like tees, elbows, flanges, flanged joints, rubber insertion nuts and bolts or welded joint with flange joints on bends two length of straight pipe including fixing the pipe with suitable flat iron strip clamps brackets structural members dash fastner, civil breakage making good the same etc painting with a primer coat & two coats of postal red enamel paint etc complete as per standard design and drawings (above ground)				
		150mm dia GI Pipe with flange jointd	Mtr	10	1339.19	13391.93
c)		100mm dia GI Pipe with flange jointd	Mtr	115	892.15	102597.61
i)		25 mm dia GI pipe	Mtr	50	187.05	9352.67
3	NS	Providing and fixing first aid hose reel full swinging type with 40 m long, 20 mm dia rubber, lined high pressure pipe with shut off gun metal nozzle of 5 mm dia. The hose reel confirming to IS 884-1969 and hose tubing to IS:1532 complete as required, including 25 mm dia GI pipe connection from riser to hose reel with all socket, nipple, elbows and 25 mm dia gun metal full way valve as required.	Each	16	5258.00	84128.00
4	NS	Providing and fixing the two way fire brigade connection housed in steel. Cabinet fabricated from 2.0 mm thick steel sheet having locable arrangement, openable glazed door, including painting a coat of primer and two coats of postal red enamel, necessary supports for the cabinet etc with 150 mm dia non return, and butter fly valve complete in all respects.	Each	1	11494.17	11494.17
5	NS	Providing and fixing set of "Siamese" two way instaneous fire brigade inlet connections comprising of two gunmetal instantaneous male inlet coupling 63 mm dia with plug cap chain, bend, tees etc for inlet to the static tank.	Each	1	6844.14	6844.14
6	NS	Providing and fixing fire hose cabinet two third glazed door shutter and frame with hold fasts frame fabricated from 40x40x5mm and shutter from 35x35x5mm MS angle, 2000 mm high 1200 mm wide with locking arrangement, 4 mm thick glass with 1.6mm MS sheet with flats including all accessories, painting with one coat of steel primer and two coats of postel red enamel paint. (The words "Hose Cabinet" to be printed on the box).	Each	16	8834.35	141349.54

S.NO.	NS/DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
7	NS	Supplying and installing cylindrical type air vessel of 450 mm dia 2 m height fabricated for out of 10 mm thick MS plate suitable for 7 kg/cm ² working pressure complete with 25 mm air release valve, safety valve, pressure gauge etc as required. The air vessel shall be continuous welded construction and painted with two coats of postal red enamel outside over a coat of primer and epoxy paint inside.	Each	6	6918.80	41512.82
8	NS	Providing and fixing 0-20 kg pressure gauge of 150 mm dia.	Each	16	6918.80	110700.84
9	NS	Providing and fixing fire man axe as required complete in all respects.	Each	16	408.28	6532.41
10	NS	Providing and fixing gun metal non return valve of approved quality.				
a)		100 mm dia (horizontal)	Each	3	1903.45	5710.34
11	NS	Providing and fixing Butterfly valve of approved quality.				
a)		100 mm dia (horizontal)	Each	3	3762.07	11286.21
12	NS	Providing and fixing ball valve (brass) of approved quality. High or low pressure, with plastic floats complete.				
a)		25mm dia	Each	16	793.23	12691.72
		TOTAL FOR NON-SCHEDULE ITEMS (PHE):				717669.72

ABSTRACT OF COST FOR ADMINISTRATION BLOCK			
SL.NO.	DESCRIPTION	AMOUNT AS PER	MARKET
		DSR'2012	
1	INTERNAL ELECTRICAL, UPS SYSTEM	1687757.00	1757154.00
2	LAN SYSTEM		705627.59
3	LIFT		1586207.00
	Total Scheduled Item	1687757.00	4048988.59

**NATIONAL BUILDINGS CONSTRUCTION CORPORATION LIMITED
COUNSULTANCY DIVISION**

NAME OF PROJECT :CONSTRUCTION WORK OF NEILET, AGARTALA

NAME OF WORK : PROVIDING INTERNAL ELECTRICAL INSTALLATIONS IN ADMINISTRATION BLOCK AT NEILET, AGARTALA

S.NO.	DSR NO.	DESCRIPTION	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
(A):	SCHEDULE ITEMS					
1	1.10	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FR PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FR PVC insulated copper conductor single core cable etc as required.				
a)	1.10.3	Group C	Point	341	664.00	226424.00
2	1.11	Wiring for twin control light point with 1.5 sq.mm FR PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, 2 way modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FR PVC insulated copper conductor single core cable etc as required.	Point	12	710.00	8520.00
3	1.12	Wiring for light/power plug with 2x4 Sq.mm FR PVC insulated, copper conductor, single core cable in surface/recessed PVC conduit alongwith 1 No. 4 Sq.mm FR PVC insulated copper conductor single core cable for loop earthing as required.	Metre	1036	162.00	167832.00
4	1.13	`	Metre	444	268.00	118992.00
5	1.14	Wiring for circuit/sub main wiring alongwith earth wire with the following sizes of PVC insulated copper conductor, single core cable in surface/recessed PVC conduit as required.				
a)	1.14.1	2x1.5 Sqmm + 1x1.5 Sq.mm (For circuit wiring)	Metre	2274	107.00	243318.00
b)	1.14.4	2x6 Sqmm + 1x6 Sq.mm	Metre	100	206.00	20600.00
b)	1.14.5	2 X 10 sq. mm + 1 X 10 sq. mm earth wire	Metre	100	310.00	31000.00
d)	1.14.9	4x6 Sqmm + 2x6 Sq.mm	Metre	300	358.00	107400.00
e)	1.14.10	4x10 Sqmm + 2x10 Sq.mm	Metre	150	562.00	84300.00
f)	1.14.11	4 X 16 sq. mm + 2 X 16 sq. mm earth wire (for A.C System)	Metre	500	789.00	394500.00
6	1.18	Supplying and drawing following pair 0.5 sq mm FR PVC insulated annealed copper conductor, unarmored telephone cable in the existing surface/ recessed steel/ PVC conduit as required.				

S.NO.	DSR NO.	DESCRIPTION	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
(a)	1.18.3	4 Pair	Metre	700	24.00	16800.00
7	1.21	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.				
a)	1.21.1	20 mm	Metre	700	56.50	39550.00
b)	1.21.2	25 mm	Metre	100	64.50	6450.00
8	1.22	Supplying and fixing metal box of following sizes (nominal size) on surface or in recess with suitable size phenolic laminated sheet cover in front including painting etc. as required.				
a)	1.22.1	75mm x 75mm x 60mm	Each	64	72.00	4608.00
9	1.24	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.				
a)	1.24.3	15/16 amp switch	Each	62	109.00	6758.00
b)	1.24.4	3 pin 5/6 amp socket outlet	Each	186	96.00	17856.00
c)	1.24.6	Telephone socket outlet	Each	62	48.50	3007.00
10	1.25	Supplying and fixing stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	Each	86	322.00	27692.00
11	1.26	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	Each	20	22.00	440.00
12	1.27	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required.				
a)	1.27.1	1 or 2 Module (75mmX75mm)	Each	24	142.00	3408.00
b)	1.27.3	4 Module (125mmX75mm)	Each	6	173.00	1038.00
c)	1.27.4	6 Module (200mmX75mm)	Each	6	221.00	1326.00
d)	1.27.5	8 Module (125mmX125mm)	Each	62	255.00	15810.00
13	1.32	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.	Each	37	366.00	13542.00
14	1.35	Erection of wall bracket /ceiling fittings of all sizes and shapes containing upto two GLS lamps per fitting, complete with all accessories including connection etc. as required.	Each	150	39.00	5850.00

S.NO.	DSR NO.	DESCRIPTION	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
15	1.41	Installation, testing and commissioning of prewired fluorescent fitting/compact fluorescent fitting of all types, complete with all accessories and tubes etc. directly on ceiling/wall including connection 1.5 Sqmm FR PVC insulated, copper conductor, single core cable and earthing etc. as required.	Each	56	69.50	3892.00
16	1.42	Installation, testing and commissioning of pre-wired, fluorescent fitting / compact fluorescent fitting of all types, complete with all accessories and tube etc., including supplying and fixing ball and socket arrangement, 2 no. down rods of 20 mm dia X 1.6 mm thick steel conduit upto 30 cm length, painting and wiring the down rods and connection with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable and earthing etc. as required.	Each	38	195.00	7410.00
17	1.44	Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable etc. as required.	Each	86	73.50	6321.00
18	1.49	Numbering of ceiling fan/exhaust fan/ fluorescent fittings as required.	Each	189	19.50	3686.00
19	1.50	Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required.				
a)	1.50.1	Upto 450 mm sweep	Each	9	163.00	1467.00
20	1.51	Extra for fixing the louvers/ shutters complete with frame for a exhaust fan of all sizes.	Each	9	68.50	617.00
21	2.2	Providing and fixing following rating and breaking capacity MCCB in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required.				
a)	2.2.1	100 Amp, 16 KA	Each	2	2801.00	5602.00
22	2.3	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)				
a)	2.3.2	2 + 6 way, Single door	Each	2	513.00	1026.00
b)	2.3.4	2 + 12 way, Single door	Each	2	696.00	1392.00
23	2.4	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)				
a)	2.4.4	4 way (4 + 12), Double door	Each	6	1654.00	9924.00
b)	2.4.5	6 way (4 + 18), Double door	Each	3	2047.00	6141.00

S.NO.	DSR NO.	DESCRIPTION	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
24	2.5	Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 volts, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 amps tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCB's (but without MCB's and incomer) as required . (Note : Vertical type MCB TPDB is normally used where 3				
a)	2.5.2	8 way (4 + 24), Single door	Each	2	3730.00	7460.00
25	2.10	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
a)	2.10.1	Single pole	Each	154	141.00	21714.00
b)	2.10.2	Single pole and neutral	Each	5	367.00	1835.00
c)	2.10.5	Triple pole and neutral	Each	4	723.00	2892.00
26	2.11	Supplying & fixing single pole blanking plate in the existing MCB DB complete etc. as required.	Each	6	5.50	33.00
27	2.14	Supplying and fixing of following rating, double pole, (single phase & neutral), 240 Volts, residual current circuit breaker (RCCB), having a sensitivity current upto 300 mA in the existing MCB DB complete with connections, testing and commissioning as required.				
a)	2.14.1	25 Amps	Each	2	1318.00	2636.00
b)	2.14.2	40 Amps.	Each	2	1394.00	2788.00
28	2.15	Supplying and fixing following rating, four pole, (three phase and neutral), 415 volts, residual current circuit breaker (RCCB), having a sensitivity current upto 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
a)	2.15.1	25 Amps	Each	6	1679.00	10074.00
b)	2.15.2	40 Amps.	Each	3	1703.00	5109.00
29	2.18	Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top alongwith 20 amps "C" curve, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.	Each	16	693.00	11088.00
30	5.2	Earthing with GI earth pipe 4.5 m long, 40mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal / coke and salt as required.	Set	2	3385.00	6770.00

S.NO.	DSR NO.	DESCRIPTION	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
31	5.9	Supplying and laying 25 mm X 5 mm G.I strip at 0.50 metre below ground as strip earth electrode, including connection/ terminating with nut, bolt, spring, washer etc. as required. (Jointing shall be done by overlapping and with 2 sets of G.I nut bolt & spring washer spaced at 50mm)	Metre	5.00	97.50	488.00
32	5.18	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing along with existing surface/ recessed conduit/ submain wiring/ cable as required.	Metre	19.00	19.50	371.00
TOTAL SCHEDULE ITEMS						1687757.00
(B) NON-SCHEDULE ITEMS:						
33	NS	Supplying of light fittings complete with all standard accessories as required.				
a)		1x13 W CFL. Fitting Surface mounted as per Decon Product. No 03XA with Lamp or similar specification of other approved makes.	Each	24	964.83	23156.00
b)		2x11 W CFL. Wall Surface mounted as per Bajaj Product. No BSM 211 CFL W2EB with Lamp or similar specification of other approved makes.	Each	78	1035.17	80743.00
c)		1x18 W CFL. Bulk Head Fitting Surface mounted as per LUSTRE Product. No 6217 with Lamp or similar specification of other approved makes.	Each	4	1482.76	5931.00
d)		1x11 W CFL. Wall Surface (Mirror Light) mounted as per LUSTRE Product. No LI-3230 with Lamp or similar specification of other approved makes.	Each	12	1633.10	19597.00
e)		70 W MH. Fitting Surface mounted as per LUSTRE Product. No LI-507170 or similar specification of other approved makes.	Each	4	3116.55	12466.00
f)		36 W LED. 2' X 2' Fitting Recessed mounted as per Bajaj Product. No BGRSQL 3601WH or similar specification of other approved makes.	Each	18	9309.66	167574.00
34	NS	Supplying of light fittings complete with all standard accessories of the following type as required.				
a)		1x28 W FI. Fitting as per Bajaj Product. No BLPR 128 with lamp or similar specification of other approved makes.	Each	4	1108.97	4436.00
b)		2x36 W FI. Fitting as per Bajaj Product. No BCIR 236 W2EB with lamp or similar specification of other approved makes.	Each	62	932.41	57810.00
c)		1x36 W FI. Fitting as per Bajaj Product. No BCIR 136 WEB with lamp or similar specification of other approved makes.	Each	28	639.31	17901.00
d)		2x36 W FI. Fitting (Mirror optics) as per Bajaj Product. No BLMRA 236 TD with lamp or similar specification of other approved makes.	Each	10	3604.83	36048.00

S.NO.	DSR NO.	DESCRIPTION	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
35	NS	Supplying of approved make ceiling fan of double ball bearing of the following sizes with resistance type regulator and its all accessories suitable for operation on 230V single phase, 50 Hz, AC supply complete as required.				
a)		1200mm sweep (USHA/GEC/ CROMPTON/ BAJAJ/HAVELLS)	Each	27	1318.62	35603.00
b)		1200mm sweep Ornamental Ceiling Fan (Metallic Model) (USHA/GEC/ CROMPTON/ BAJAJ/HAVELLS)	Each	34	1619.31	55057.00
c)		1400mm sweep (USHA/GEC/ CROMPTON/ BAJAJ/HAVELLS)	Each	25	1406.21	35155.00
36	NS	Supplying of approved make Wall fan of the following sizes and its all accessories suitable for operation on 230V single phase, 50 Hz, AC supply complete as required.				
a)		400mm sweep (USHA/GEC/ CROMPTON/ BAJAJ/HAVELLS)	Each	2	2081.38	4163.00
37	NS	Exhaust Fan of the following sizes and its all accessories suitable for operation on 230V single phase, 50 Hz, AC supply complete as required.				
a)		300 mm sweep (HAVELLS/CROMPTON/ BAJAJ)	Each	6	2026.90	12161.00
b)		380 mm sweep (HAVELLS/CROMPTON/ BAJAJ)	Each	3	2433.79	7301.00
38	NS	Supplying installation, testing commissioning of telephone tag block or similar specification of other approved makes. of the following sizes				
a)		10 Pair	Each	1	623.45	623.00
39	NS	Supplying installation, testing commissioning of RJ 45 Single Module Socket or similar specification of other approved makes. of the following sizes	Each	62	285.52	17702.00
40	NS	Supplying installation, testing & commissioning of Raceway complete G.I fitting of the following Ampere rating as required.				
a)		200 Amps	Metre	45	506.90	22810.00
b)		100 Amps	Metre	75	327.59	24569.00
41	NS	Supplying installation, testing & commissioning of Junction Box complete G.I fitting of the following size as required.				
a)		250 x 250 x 60 mm	Each	25	579.31	14483.00
b)		150 x 150 x 60 mm	Each	11	365.52	4021.00
42	NS	Supplying installation, testing & commissioning of Centralised Online UPS System (30 Minutes Backup) complete with all standard accessories of the following rating as required.				
a)		10 KVA	Each	1	230582.07	230582.00

S.NO.	DSR NO.	DESCRIPTION	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
b)		3 KVA	Each	1	94237.93	94238.00
43	NS	Supplying and fixing 40 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of 3 poles with connections, testing and commissioning etc. as required.	Each	7	1072.41	7507.00
		AIR - CONDITIONING SYSTEM				
44	NS	Supplying, installation, testing & commissioning of 2.0 Ton Split type Air- Conditioning system with all standard accessories i.e. M.S Frame, Copper pipe (upto 4 mtrs.) with insulation, Drain pipe, Stabilizer as required.	Each	11	41379.31	455172.00
45	NS	Supplying, installation, testing & commissioning of 2.0 Ton Cassette type Air- Conditioning system with all standard accessories i.e. M.S Frame, Copper pipe (upto 4 mtrs.) with insulation, Drain pipe, Stabilizer as required.	Each	5	62068.97	310345.00
		TOTAL NON-SCHEDULE ITEMS			RS.	1757154.00

**NATIONAL BUILDINGS CONSTRUCTION CORPORATION LIMITED
COUNSULTANCY DIVISION**

NAME OF PROJECT :CONSTRUCTION WORK OF NEILET, AGARTALA

NAME OF WORK : PROVIDING LAN SYSTEM INSTALLATIONS IN ADMINISTRATION BLOCK AT NEILET, AGARTALA

S. No.	Item Description	Unit	Qty	Unit Price	Amount
1	CAT 6 Cable Box(305mtrs)	Box	5.00	7789.66	38948.28
2	CAT 6 Jack Panel 24 port Loaded (Data)	Nos.	3.00	7586.21	22758.62
3	Patch Cord(4feets for Data Workstation)	Nos.	62.00	286.21	17744.83
4	Patch Cord (7feets for Data Rack End)	Nos.	62.00	275.86	17103.45
5	I/O (Work Station End)	Nos.	62.00	275.86	17103.45
6	FACE PLATE (DUPLEX)	Nos.	62.00	148.28	9193.10
RACK AND ACCESSORIES					
1	24U Close Rack with Accessories (PDU 5/15 Amp-2 Nos., Mounting Hardware@10 per rack 8 Nos.Fan (2Nos.) and casters (Packet of 4), front glass door with lock & keys, Cable Manager 10 Nos.	Nos.	1.00	74482.76	74482.76
CISCO SWITCH FOR DATA					
1	Cisco catalyst 2960 21 10/100 +2 T /SFP LAN base image warranty 5 years	Nos.	3.00	51241.38	153724.14
2	Cisco GE SFP, LC Connector SX transciever	Nos.	3.00	29448.28	88344.83
BOM FOR VOICE					
1	CAT 6 Cable Box(305mtrs)	Box	5.00	7789.66	38948.28
2	CAT 6 Jack Panel 24 port Loaded (Data)	Nos.	6.00	7586.21	45517.24
3	Patch Cord(4feets for Data Workstation)	Nos.	62.00	275.86	17103.45
4	I/O (Work Station End)	Nos.	62.00	275.86	17103.45
SERVICES					
1	Laying of Cat-6 cable	mtr	3050.00	10.34	31551.72
2	I/O terminaton	Nos.	124.00	72.41	8979.31
3	Fixing of jack pannel	Nos.	9.00	1475.86	13282.76
4	Installation of rack	Nos.	1.00	1655.17	1655.17
5	Fixing of plate/SMB	Nos.	62.00	41.38	2565.52
6	Ferulling, Scanning and documentation	Nos.	124.00	137.93	17103.45
7	Installation of Cisco switch and configuration	Nos.	3.00	10344.83	31034.48
8	Configuration and management of network	Nos.	1.00	41379.31	41379.31
GRAND TOTAL					705627.59

**NATIONAL BUILDINGS CONSTRUCTION CORPORATION LTD.
COUNSULTANCY DIVISION**

NAME OF PROJECT :CONSTRUCTION WORK OF NEILET, AGARTALA

NAME OF THE WORK: DETAILED COST ESTIMATE OF PASSENGERS LIFTS AT ADMINISTRATION BLOCK AT NEILET, AGARTALA

S.NO.	DESCRIPTION	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
	NON SCHEDULE ITEMS				
1	Supplying, installation, testing & commissioning of 13 passengers (884 kg.) lifts having contract speed of 1 MPS serving different floors in the lift shaft as per detailed specifications enclosed and as under:	SET	1	1586206.90	1586207.00
	Location of lifts: ADMINISTRATION BLOCK AT NEILET, AGARTALA				
i)	Speed: 1.0 mtr. Per second				
ii)	Floor : Ground floor to 2nd floor				
ii)	Travel : 10.8 mtrs. (3 Floors x 3.6 mtr. height)				
iv)	Stops & opening: 3 stops & 3 openings				
v)	Controller: AC variable voltage & variable frequency.				
vi)	Automatic rescue device complete with dry maintenance free batteries as required.				
vii)	Operation: Microprocessor based simplex selective collective with/without attendant				
viii)	Power: 415V, 3 phase, 50 Hz, 4 wires system				
ix)	Type of doors:				
a)	Car: Power operated, centre opening, horizontal sliding stainless steel scratch proof (moon rock finish)				
b)	Landing doors: MS doors finished with spray painting of approved shade.				
c)	A hand rail not less than 600mm long at 900mm above floor level to be fixed adjacent to control panel in the lift car.				
d)	Voice announcement system in the car to announce the position of the elevator in the hoistway as the car passes or stops at a floor served by the elevator.				
	GRAND TOTAL			Rs.	1586207.00

NAME OF THE PROJECT: CONSTN. OF PROPOSED ADMINISTRATION BLOCK FOR NIELIT AT AGARTALA

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
HORTICULTURE & LANDSCAPING:						
1	23.1	Trenching in ordinary soil up to a depth of 60cm including removal and stacking of serviveable materials and then disposing of by spreading and neatly leveling with in a lead of 50m and making up the trenched area to proper levels by filling with earth or earth mixed with sludge or/and manure before and after flooding trench with water (excluding cost of impored earth, sludge or manure)	Cum	100.00	30.90	3090.00
2	23.2	Supplying & stackng of good earth at site including royalty and carriage up to 1 km (earht measured in stacks will be reduced by 20% for Payment).	Cum	100.00	260.70	26070.00
3	23.4	Supplying & stackng at site dump manur from Badli or other approved source, including carriage upto 1 km (manure measured in stacks will be reduced by 8% for payment).				
a)	23.4.1	Screened through sieve of IS designation 20mm	Cum	35.00	138.30	4840.50
4	23.5	Rough dressing the trenched ground including breaking clods.	100 Sqm	10.00	59.85	598.50
5	23.6	Uprooting weeds from the trenched area after 10 to 15 days of its flooding with water including disposal of uprooted vegetation	100 Sqm	10.00	194.05	1940.50
6	23.7	Fine dressing the ground	100 Sqm	10.00	145.90	1459.00
7	23.8	Spreading of sludge, dump manure or/and good earth in required thickness (cost of sludge, dump manure or/and good earth to be paid separately).	Cum	35.00	21.00	735.00
8	23.9	Mixing earth and sludtge or manure in proportion specified or directed	Cum	150.00	14.35	2152.50
9	23.10	Grassing with 'Doob' grass including watering and maintenance of the lawn for 30 days or more till the grass forms a thick lawn free from weeds and fit for mowing including supplying good earth if needed (the good earth shall be paid for separately).				

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
a)	23.10.3	In rows 5 cm apart in either direction	100 Sqm	20.00	700.25	14005.00
10	23.13	Preparation of beds for hedging and shrubbery by excavating 60cm deep and trenching the excavated base to a further depth of 30cm,refilling the excavated earth after breaking clods and mixing with sludge or manure in the ratio of 8:1 (8 parts of stacked volume of earth after reduction by 20% : one part of stacked volume of sludge or manure after reduction by 8%), flooding with water, filling with earth if necessary, watering and finally fine dressing, leveling etc.including stacking and disposal of materials declared unserviceable and surplus earth by spreading and leveling as directed, within a lead of 50m lift up to 1.5 m complete (cost of sludge, manure or extra earth to be paid for separately).	Cum	110.00	87.50	9625.00
11	23.16	Providing and fixing M S flat iron tree guard 60cm dia. And 2m height above ground level formed of 4 nos. 25x6mm and 8 nos 25x3mm vertical M.S. flats rivetted to 3 nos. 25x6mm M S flat iron rings in two halves, bolted together with 8mm dia. And 30mm long bolts including painting two coats with paint of approved brand and manufacture over a coat of priming, complete in all respect.	Each	40.00	2580.60	103224.00
12	23.19	Edging with bricks laid dry length wise including excavation, refilling, consolidating with had packing and spreading nearly surplus earth with a lead of 50m				0.00
a)	23.19.1	75 class designation				0.00
(i)	23.19.1.1	F P S Brick	metre	450.00	23.55	10597.50
		TOTAL FO SCHEDULED ITEMS				178337.50
		NON-SCHEDULED ITEMS				
13	NS	Supply / planting the sapling of trees shady, flowering and fruits of height upto 600 mm i/c all excavation in dia 1 meter and depth 1.5meter with good earth/manure in required proportion making Thaola etc and watering complete (The cost of good earth and manure will be paid saperately) Types of trees/sapling should be Cycus palm,Fycus (black), aero coria, Red salsa, Dry cina nohtane , Fycus Rizonald etc as per the Engineer-In-charge	Each	40.00	379.31	15172.41
14		Supply and planting Goldern Durrente complete in all respect as per the instruction of Engineer-In-charge.	Each	40.00	11.72	468.97
		TOTAL OF NON-SCHEDULE ITEMS				15641.38

NATIONAL BUILDINGS CONSTRUCTION CORPORATION LIMITED

"CONSULTANCY DIVISION"

NAME OF THE PROJECT: CONSTRUCTION. OF PROPOSED GIRLS HOSTEL FOR NIELIT AT AGARTALA,TRIPURA

GENERAL ABSTRACT OF COST

S.NO.	DESCRIPTION		AMOUNT AS PER DSR 2012 (RS.)	AS PER MARKET RATE (RS.)		
1.0	CIVIL WORK MAIN BUILDING		16309564.60	1681466.97		
2.0	INTERNAL & EXTERNAL PLUMBING WORKS		821497.00	213534.48		
3.0	INTERNAL ELECTRICAL WORK,		1582561.00	332933.28		
7.0	HORTICULTURE & LANDSCAPING:		96531.00	7820.69		
	TOTAL		18810153.60	2235755.41		

**NAME OF THE PROJECT: CONSTRUCTION. OF PROPOSED GIRLS HOSTEL FOR NIELIT AT AGARTALA,TRIPURA
ABSTRACT OF COST**

SL.NO.	DESCRIPTION		AMOUNT BASED ON	
			DSR-2012 (RS.)	NON SCHEDULED MARKET RATE
1	CARRIAGE OF MATERIAL		3311.50	
2	EARTH WORK		1207278.00	
3	CONCRETE WORK		512286.20	8979.31
4	RCC WORK		7703867.60	
5	BRICK WORK		15825.00	1390600.76
6	MARBLE WORK		68709.40	
7	WOOD WORK		978418.25	
8	STEEL WORK		523995.05	
9	FLOORING WORK		1375039.00	222620.69
10	ROOFING WORK		187584.65	
11	FINISHING WORK		1721579.75	
12	ALUMINIUM WORK		1439465.20	11586.21
13	WATER PROOFING WORK		572205.00	
14	MISCELLANEOS ITEMS			47680.00
		(A)	16309564.60	1681466.97 (B)

NAME OF THE PROJECT: CONSTRUCTION. OF PROPOSED GIRLS HOSTEL FOR NIELIT AT AGARTALA,TRIPURA

CIVIL WORKS						
SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
CARRIAGE OF MATERIALS						
1	1.1.	By mechanical transport including loading, unloading & stacking				
	1.1.1	Lime,moorum,Building rubbish				
a)		1 KM	Cum	50.00	66.23	3311.50
		TOTAL CARRIED OVER TO SUMMARY				3311.50
EARTH WORK:						
2	2.6	Earth work in excavation by mechanical means (Hydraulic excavator/manual means over areas (exceeding 30cm in depth , 1.5m in width as well as 10 sqm on plan) including disposal of excavated earth,lead upto 50m and lift upto 1.5m disposed earth to be levelled and neatly dressed.				
a)	2.6.1	All kinds of soil.	cum	380.00	129.35	49153.00
3	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering lead upto 50 mtrs. and lift upto 1.5 mtr.	cum	2880.00	83.80	241344.00
4	2.27	Supplying and filling in plinth with local sand under floors including watering, ramming consolidating and dressing complete.	Cum	270.00	749.30	202311.00
5	2.34	Supplying chemical emulsion in sealed containers including delivery as specified.				0.00
a)	2.34.1	Chlorpyriphos/Lindane Emulsifiable concentrate of 20%.	Ltr.	100.00	185.95	18595.00
6	2.35	Diluting and injecting chemical chemical emulsion for POST CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion)				

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
a)	2.35.3	Treatment of soil under existing floors using chemical emulsion @ one ltr. Per hol, 300mm apart including drilling 12mm diameter holes and plugging with cement mortar 1:2 (1 cement: 2 coarse sand) to match the existing floor.				
i)	2.35.3.1	With Chlorpyrifos /Lindane E C. 20% with 1% concentration.	Sqm	500.00	88.25	44125.00
7	16.3	Supplying and stacking at site:				
a)	16.3.9	Good earth	Cum	2500.00	260.70	651750.00
		TOTAL CARRIED OVER TO SUMMARY				1207278.00
		CONCRETE WORK:				
8	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level:				
a)	4.1.3	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	cum	26.00	4514.05	117365.30
b)	4.1.6	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)	cum	60.00	3888.20	233292.00
c)	4.1.8	1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)	cum	25.00	3593.30	89832.50
9	4.2	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing coarses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets etc. upto floor five level, excluding the cost of centering, shuttering and finishing:				
a)	4.2.5	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	cum	4.00	4782.35	19129.40
10	4.11	Providing and laying damp-proof coarse 50mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5 mm nominal size)	Sqm	70.00	254.70	17829.00
11	4.12	Extra for providing and mixing water proofing material 'Impermo' or equivalent in cement concrete work @ 1 kg. Per 50 Kg. of cement.	per 50 kg. cement	200.00	35.35	7070.00

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
12	4.13	Applying a coat of residual petroleum bitumen of penetration 80/100 of approved quality using 1.7 kg. Per Sqm on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in Kerosene oil.	Sqm	70.00	96.65	6765.50
13	4.17	Making Plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 Coarse sand :6 graded stone aggregate 20mm nominal size) over 75 mm bed of dry bricks ballast 40mm nominal size well rammed and consolidated and grouted with fine sand including finishing the top smooth.	Sqm	62.00	338.75	21002.50
		TOTAL CARRIED OVER TO SUMMARY				512286.20
		NON-SCHEDULE ITEM:				
14	NS	Providing and laying in position dry brick ballast 40mm nominal size and grouted with fine sand including finishing the top smooth upto floor five level.	Cum	14.00	641.38	8979.31
		TOTAL CARRIED OVER TO SUMMARY				8979.31
		RCC WORK:				
15	5.9	Centring and shuttering including strutting, propping etc. and removal of form for:				
a)	5.9.1	Foundations, footings, bases of columns etc. for mass concrete.	sqm	460.00	166.90	76774.00
b)	5.9.2	Walls (any thickness) including attached pilasters, buttersesses, plinth and string courses etc.	sqm	100.00	285.15	28515.00
c)	5.9.3	Suspended floors, roofs, landings, balconies and access platform.	sqm	1182.00	311.20	367838.40
d)	5.9.4	Shelves (Cast in situ)	sqm	100.00	311.20	31120.00
e)	5.9.5	Lintels, beams, plinth beams, girders, bressumers and cantilevers.	sqm	1272.00	262.25	333582.00
f)	5.9.6	Columns, Pillars, Piers, Abutments, posts and Struts	sqm	500.00	365.60	182800.00
g)	5.9.7	Stairs, (excluding landings) except spiral-staircases.	sqm	45.00	326.30	14683.50
h)	5.9.13	Vertical and horizontal fins individually or forming box louvers band, facias and eaves boards	sqm	150.00	470.10	70515.00

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
i)	5.9.15	Small lintels not exceeding 1.5m clear span, moulding as in cornices, window sills, string courses, bands, copings, bed plates, anchor blocks and the like.	sqm	150.00	166.90	25035.00
j)	5.9.16	Edges of slabs and breaks in floors and walls				
k	5.9.16.1	Under 20 cms wide	Mtr.	225.00	99.45	22376.25
l)	5.9.18	Small surfaces such as cantilever ends, brackets and ends of steps, caps	sqm	100.00	398.35	39835.00
m	5.9.19	Weather shade, chajjas, corbels etc. including edges.	sqm	125.00	411.10	51387.50
16	5.18	Providing precast cement concrete Jali 1:2:4 (1 cement: 2 coarse sand: 4 stone aggregate 6mm nominal size) reinforced with 1.6mm dia mild steel wire including centring & shuttering roughening cleaning, fixing and finishing in cement mortar 1:3 (1 cement: 3 fine sand) etc. complete excluding plastering of the jambs, sills and soffits.				
a)	5.18.1	50mm thick	Sqm	40.00	598.15	23926.00
17	5.22	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete				
a)	5.22.6	Thermo-Mechanically Treated bars	Kg.	19560.00	62.25	1217610.00
18	5.22 A	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete				
a)	5.22A.6	Thermo-Mechanically Treated bars	Kg.	43068.00	62.25	2680983.00
19	5.33	Providing and laying in position machine batched, machine mixed and machine vibrated design mix cement concrete of specified grade for reinforced cement concrete work including pumping of concrete to site of laying but excluding the cost of centring, shuttering, finishing and reinforcement-including admixture in recommended proportions as per IS:9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge.				
		Note-cement content considered in this item is @330kg/cum. Excess/less cement used as per design mix is payable /recoverable separately).				

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
a)	5.33.1	All works upto plinth level	Cum	163.00	5242.15	854470.45
b)	5.33.2	All works above plinth level upto floor five level	Cum	291.00	5781.50	1682416.50
		TOTAL CARRIED OVER TO SUMMARY				7703867.60

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
20	6.15	Extra for providing and placing in position 2 Nos. 6 mm dia MS bars at every third course of half brick masonry (with FPS bricks)	Sqm	250.00	63.30	15825.00
		TOTAL CARRIED OVER TO SUMMARY				15825.00
		NON-SCHEDULE ITEM:				
21	NS	Brick work with FPS bricks of class designation 100 in foundation & plinth in:				
a)		Cement mortar 1:6 (1 cement: 6 coarse sand)	Cum	40.00	3964.20	158568.00
22	NS	Brick work with F.P.S. bricks of class designation 100 in superstructure above plinth level up to floor V level in all shapes and sizes in:				
a)		Cement mortar 1:6 (1 cement: 6 coarse sand)	Cum	265.00	4160.34	1102491.38
23	N.S	125mm brick masonry with FPS bricks of class designation 100 in supersructure above plinth in level upto floor V level				
a)		Cement mortar 1:4 (1 cement: 4 coarse sand)	Sqm	250.00	518.17	129541.38
		TOTAL CARRIED OVER TO SUMMARY				1390600.76
		MARBLE WORK:				
24	8.2	Providing and fixing 18mm thick gang saw cut mirror (polished premoulded and prepolished) machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size of approved shade, colour and texture laid over 20mm thick base cement mortar 1:4 (1 cement: 4 coarse sand) with joints treated with white cement, mixed with matching pigment,epoxy touch ups, including rubbing curing, moulding and polishing to edge to give high gloss finish etc. complete at all levels.				
a)	8.2.1	White marble - Raj Nagar plain /udaipur green marble /zebra black marble				
i)	8.2.1.2	Area of slab over 0.50 Sqm	Sqm	15.00	1980.80	29712.00
b)	8.2.2	Granite of any colour and shade				

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
i)	8.2.2.2	Area of slab over 0.50 Sqm	Sqm	10.00	3083.40	30834.00
25	8.3	Extra for providing edge moulding to 18mm thick marble stone counters, Vanities etc. Including machine polishing to edge to give high gloss finish etc. Complete as per design approved by Engineer-in-Charge.				
a)	8.3.1	Marble work.	Mtr.	40.00	105.70	4228.00
26	8.5	Extra for providing opening of required size & shape for wash basins / kitchen sink in kitchen platform, vanity counters and similar location in marble / Granite / stone work including necessary holes for pillar taps etc. Including rubbing and polishing necessary etc. complete.	Each	14.00	281.10	3935.40
TOTAL CARRIED OVER TO SUMMARY						68709.40
WOOD WORK:						
27	9.20	Providing and fixing ISI marked flush door shutters conforming to IS:2202 (Part-I) decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters.				
a)	9.20.1	35 mm thick including ISI marked stainless steel butt hinges with necessary screws.	Sqm	130.00	2159.05	280676.50
28	9.20.3	25mm thick (for cupboard) including ISI marked nickel plated bright finished M.S. piano hinges IS :3818 marked with necessary screws	Sqm	160.00	1789.45	286312.00
29	9.27	Providing and fixing 35mm thick wire gauze shutters using galvanised MS wire gauze of average width of aperture 1.4mm with wire of dia, 0.63mm for doors, windows and clerestory windows including ISI marked bright finished or/and black enamelled MS butt hinges with necessary screws.				
a)	9.27.1	35 mm thick shutters				
i)	9.27.1.2	With ISI marked stainless steel butt hinges of required size				
	9.27.1.2.	Second class teak wood.	Sqm	101.00	2737.90	276527.90
30	9.48	Providing and fixing MS grills of required pattern in frames of windows etc. with MS flats, square or round bars etc. all complete				

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
a)	9.48.2	Fixed to opening /wooden frames	Kg.	600.00	98.20	58920.00
31	9.96	Providing and fixing aluminium sliding door bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS: 1868) transparent or dyed to required colour or shade with nuts and screws etc. complete:				
a)	9.96.1	300 x 16 mm	Each	42.00	203.80	8559.60
b)	9.96.2	250 x 16 mm	Each	42.00	168.95	7095.90
32	9.97	Providing and fixing aluminium tower bolt ISI marked anodised (anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour or shade with necessary screws etc. complete:				
a)	9.97.1	300x10 mm	Each	84.00	100.40	8433.60
b)	9.97.2	250x10 mm	Each	84.00	86.45	7261.80
c)	9.97.4	150x10 mm	Each	50.00	59.00	2950.00
33	9.99	Providing and fixing 50cm long aluminium kicking plate 100x3.15mm anodised (anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour or shade with necessary screws etc. complete:	Each		155.35	0.00
34	9.83	Providing & fixing IS:3564 marked aluminium Die cast body tubular type universal hydraulic door closer with necessary accessories and screws etc. complete	Each	20.00	610.60	12212.00
35	9.100	Providing and fixing aluminium handles ISI marked anodised (anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour or shade with necessary screws etc. complete:				
a)	9.100.1	125 mm	Each	84.00	62.50	5250.00
b)	9.100.2	100 mm	Each	50.00	49.55	2477.50
36	9.101	Providing and fixing aluminium hanging floor door stopper ISI marked anodised (anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour or shade with necessary screws etc. complete:				

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
a)	9.101.2	Twin rubber stopper	Each	67.00	71.55	4793.85
37	9.103	Providing & fixing bright finished brass 100 mm mortice latch & lock ISI marked with 6 levers and a pair of anodised(anodic coating not less than grade AC 10 as per IS :1868) aluminium lever handles with necessary screws etc. complete (Best make of approved quality)	Each	24.00	706.15	16947.60
		TOTAL CARRIED OVER TO SUMMARY				978418.25
		STEEL WORK				
38	10.5	Providing and fixing 1mm thick MS sheet door with frame of 40x40x6mm angle iron and 3mm MS gusset plates at the junctions and corners, all				
a)	10.5.1	Using MS angle 40x40x6mm for diagonal braces.	Sqm	2.10	2551.45	5358.05
39	10.11	Providing & fixing factory made ISI marked steel glazed doors, windows and ventilators side/top/central hung with beading and all members such as K11B and K12B etc. complete of standard rolled steel sections, joints mitred and flash butt welded and sash bars tenoned and riveted with 15x3mm lugs, 10cm long, embedded in cement concrete blocks 15x10x10cm of 1:3:6 (1 cement: 3 coarse sand: 6 graded stone aggregate 20mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with fixing clips or with bolts and nuts as required, including providing and fixing of hinges, pivots, float glass panes with glazing clips and special metal sash putty of approved make and a priming coat of approved steel primer, excluding the cost of metal beading and other fittings except necessary hinges or pivots complete as per approved design.	Kg.	50.00	96.30	4815.00
40	10.13	Providing & fixing T-iron frames for doors, windows & ventilators of mild steel T-sections, joints mitred and welded with 15x3 mm lugs, 10 cm long, embedded in cement concrete blocks 15x10x10 cm of 1:3:6 (1 cement: 3 coarse sand: 6 graded stone aggr. 20 mm nominal size) or with wooden plugs & screws or rawl plugs and screws or with dash fasteners or with fixing clips or with bolts and nuts as required, including fixing of necessary butt hinges & screws and applying a priming coat of approved steel primer.	Kg.	50.00	73.30	3665.00

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
41	10.14	Providing and fixing pressed steel door frames conforming to IS:4351 manufactured from commercial mild steel sheet of 1.25 mm thickness including hinges, jamb, lock jamb, bead and if required angle threshold of mild steel angle of section 50x 25 mm, or base ties of 1.25 mm pressed mild steel welded or rigidly fixed together by mechanical means, adjustable lugs with split end tail to each jamb including steel butt hinges 2.5 mm thick with mortar guards, lock strike-plate and shock absorbers as specified and applying a coat of approved steel primer after pre-treatment of the surface as directed by the Engineer-in-charge.				
a)	10.14.1	Profile B				
i)	10.14.1.1	Fixing with adjustable lugs with split end tail to each jamb	Mtr	160.00	346.75	55480.00
b)	10.14.2	Profile C				
i)	10.14.2.2	Fixing with adjustable lugs with split end tail to each jamb	Mtr	250.00	370.00	92500.00
42	10.25	Steel work welded in built up sections/framed work including cutting hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required				
a)	10.25.2	In gratings, frames, guard bar, ladders, railings, brackets, gates & similar works	Kg.	150.00	77.90	11685.00
43	10.18	Providing and fixing circular/hexagonal cast iron or MS sheet box for ceiling fan clamp of internal dia 140mm, 73mm height, top lid of 1.5mm thick M.S. sheet with its top surface hacked for proper bonding, top lid shall be screwed into the cast iron/ MS box by means of 3.3mm dia round headed screws, one lock at the corners. Clamps shall be made of 12mm dia M.S. bar bent to shape as per standard drawing.	Each	60.00	117.45	7047.00
a)	10.26	Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing & staircase railing including applying a priming coat of approved steel primer.				
i)	10.26.1	MS tube	Kg.	100.00	86.45	8645.00

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
44	10.28	Providing and fixing stainless steel (grade 304)railing made of Hollow tubes , channels , plates etc , including welding grinding , buffing ,polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete ,l/c fixing the railing with necessary accessories &stainless steel dash fasteners ,stainless steels bolts etc ,of required size ,on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineers -in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accesories such as nuts ,bolts, fasteners etc	Kg	600.00	558.00	334800.00
		TOTAL CARRIED OVER TO SUMMARY				523995.05
		FLOORING WORK				
45	11.4	52 mm thick cement concrete flooring with concrete hardener topping under layer 40 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand: 4 graded stone aggregate 20 nominal size) and top layer 12 mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix: 2 stone aggregate 6 mm nominal size) by volume hardening compound is mixed @ 2 Ltrs per 50 kg. of cement or as per manufacturer specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete	Sqm	25.00	420.50	10512.50
46	11.6	Cement plaster skirting (upto 30 cm height) with cement mortar 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement.				
a)	11.6.1	18 mm thick	Sqm.	50.00	258.20	12910.00
47	11.13	Providing & fixing glass strips in joints of terrazo/cement concrete floors.				
a)	11.13.1	40 mm wide and 4 mm thick	Mtr.	10.00	29.40	294.00
48	11.16	Precast terrazo tiles 22 mm thick with graded marble chips of size upto 12 mm laid in floors, and landings, jointed with neat cement slurry mixed with pigment to match the shade of the tiles including rubbing and polishing complete with precast tiles on 20 mm thick bed of cement mortar 1:4 (1 cement: 4 coarse sand)				
a)	11.16.1	Light shade using white cement	Sqm	100.00	769.35	76935.00

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
48	11.23	Marble stone flooring with 18 mm thick marble stone (sample of marble shall be approved by Engineer-In-Charge) over 20mm (average) thick base of 1:4 (1 cement: 4 coarse sand) laid and jointed with grey cement slurry including rubbing and polishing complete with:				
a)	11.23.2	Raj nagar plain	Sqm	140.00	1265.35	177149.00
b)	11.23.5	Udaipur green marble	Sqm	50.00	1418.95	70947.50
49	11.25	Extra for marble stone flooring in treads of steps and risers using single length upto 2mtr..	Sqm	40.00	230.55	9222.00
50	11.26	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete with base of cement mortar 1:4 (1 cement: 4 coarse sand)				
a)	11.26.1	25 mm thick	Sqm	680.00	945.70	643076.00
51	11.27	Kota stone slab 25 mm thick in risers of steps, skirting dado and pillars laid on 12 mm(average) thick cement mortar 1:3 (1 cement : 3 coarse sand) & jointed with grey cement slurry mixed with pigment to match the shade of the slabs including rubbing and polishing complete.	Sqm	105.00	954.10	100180.50
52	11.36	Providing & fixing 1st quality ceramic glazed wall tiles conforming to IS:15622 (thickness to be specified by the manufacturer) of approved make in all colours, shades except Burgundy, bottle green, black of any size as approved by Engineer-in-charge in skirting, risers of steps & dados over 12 mm thick bed of cement mortar 1:3 (1 cement :3 coarse sand) and jointing with grey cement slurry @3.3 Kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	Sqm	170.00	724.25	123122.50
53	11.39	Providing & laying rectified glazed ceramics floor tiles 300x300mm or more (thickness to be specified by the manufacturer) of 1st quality conforming to IS:15622 of approved make in colours White, Ivory, Grey, Fume, Red Brown, laid on 20 mm thick cement mortar 1:4 (1 cement :4 coarse sand) including grouting the joints with white cement and matching pigments etc. complete.	Sqm	90.00	931.50	83835.00

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
54	11.41	Providing & laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorptions less than 0.08% and conforming to IS:15622 of approved make in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement: 4 coarse sand) including grouting the joints with white cement and matching pigments etc. complete.				0.00
a)	11.41.2	Size of tile 60x60cm	Sqm	50.00	1337.10	66855.00
		TOTAL CARRIED OVER TO SUMMARY				1375039.00
		NON-SCHEDULE ITEM:				
55	NS	Providing and laying pioneer tiles including all accessories of approved quality and specification as per drawings and directions of Engineer-In - Charge .	Sqm	300.00	742.07	222620.69
		TOTAL CARRIED OVER TO SUMMARY				222620.69
		ROOFING WORK				
56	12.21	Providing gola 75x75mm in cement concrete 1:2:4 (1 cement: 2 coarse sand: 4 stone aggregate 10mm and down gauge) including finishing with cement mortar 1:3 (1 cement: 3 fine sand) as per standard design:				
a)	12.21.1	In 75x75mm deep chase	Mtr.	150.00	109.05	16357.50
57	12.22	Making khuras 45x45cm with average minimum thickness of 5cm cement concrete 1:2:4 (1 cement :2 coarse sand: 4 graded stone aggregate of 20 mm nominal size) over PVC sheet 1m x 1m x 400micron, finished with 12mm cement plaster 1:3 (1cement: 3 coarse sand) and a coat of neat cement rounding of the edges and making and finishing the outlet complete.	Each	15.00	148.75	2231.25
58	12.38	Providing and fixing MS holder bat clamps of approved design to C.I. or S.C.I. rain water pipes embedded in and including cement concrete blocks 10 x 10 x 10 cm of 1:2:4 mix (1 cement:2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and cost of cutting holes and making good the walls etc.				
a)	12.38.2	For 150 mm dia pipe	Each	36.00	121.80	4384.80

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
59	12.39	Providing lead caulked joints to sand cast iron rain water pipes and fittings:				
a)	12.39.2	For 150 mm dia pipe	Each	36.00	287.10	10335.60
60	12.40	Providing and fixing on wall face unplasticised-Rigid PVC rain water pipes conforming to IS:13592 Type A including jointing with seal ring conforming to IS:5382 leaving to 10mm gap for thermal expansion. (i) Single socketed pipes:				
a)	12.40.1.1	150mm diameter	Mtrs	90.00	407.85	36706.50
61	12.42	Providing and fixing on wall face unplasticised- PVC moulded fittings/accessories for unplasticised-Rigid PVC rain water pipes conforming to IS:13592 Type A including jointing with seal ring conforming to IS:5382 leaving to 10mm gap for thermal expansion.				
a)	12.42.1	Coupler				
i)	12.42.1.2	110mm	Each	12.00	130.25	1563.00
b)	12.42.5	Bend 87.5"				
i)	12.42.5.2	110mm bend	Each	12.00	156.95	1883.40
c)	12.42.6	Shoe (plain)				
i)	12.42.6.2	110mm shoe	Each	12.00	287.05	3444.60
62	12.43	Providing and fixing unplasticised- PVC pipe clips of approved design to unplasticised-PVC rain water pipes by means of 50x50x50mm hard wood plugs, screwed with MS screws of required length including cutting brick work and fixing in cement mortar 1:4 (1 cement:4 coarse sand) and making good the walls etc. complete.				
a)	12.43.2	110mm	Each	12.00	144.60	1735.20
63	12.44	Providing & fixing to the inlet mouth of rain water pipe cast iron grating 15cm diameter and weighing not less than 440 gms.	Each	12.00	32.75	393.00

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
64	12.45	Providing and fixing at all height false ceiling including providing and fixing of frame work made of special sections power pressed from MS sheet and galvanised in accordance with zinc coating of grade 350 as per IS:277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 22 mm and 37 mm at 1200 mm centre to centre one flange fixed to the ceiling with dash fastner 12.5 mm dia x 40 mm long with 6 mm dia bolts to the angle hangers of 25x25x0.55 mm of required length and other end of angle hanger being fixed with nut and bolts to GI channels 45 mm x 15 mm x 0.9 mm running at the rate of 1200 mm centre to centre to which the ceiling section 0.5 mm thick bottom wedge of 80mm with tapered flanges of 26mm each having clips of 10.5mm at 450mm centre to centre shall be fixed in a direction perpendicular to GI channel with connecting clips made out of 2.64mm dia x 230mm long GI wire at every junction including fixing the gypsum board with ceiling section and perimeter channels				
		0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre to centre with 25 mm long drive all screws @ 230 mm interval including jointing and fixing to a flush finish of tapered and square edges of the gypsum board with recommended filler, paper tapes, manufacturers specification and also including the coat of making openings for light fittings, grills diffusers, cutouts made with frame of perimeter channels suitably fix all complete as per drawing and specification and direction of the Engineer-in-Charge but excluding the cost of painting with:				
a)	12.45.1	12.5 mm thick tapered edge gypsum baord conforming to IS:2095- Part-I.	Sqm	157.00	691.40	108549.80

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
65	12.53	Providing and Fixing 15 mm thick densified tegular edged eco friendly light weight calcium silicate false ceiling tiles of approved texture spintone/ cosmos/ Hexa or equivalent of size 595 x 595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanised section (galvanising @ 120 grams per sqm including both side) consisting of main 'T' runner suitably spaced at joints to get required length and of size 24x38 mm made from 0.33 mm thick (minimum) sheet, spaced 1200 mm centre to centre, and cross "T" of size 24x28 mm made out of 0.33 mm (minimum) sheet, 1200 mm long spaced between main 'T' at 600 mm centre to centre to form a grid of 1200x600 mm and secondary cross 'T' of length 600mm and size 24x28 mm made of 0.33 mm thick (minimum) sheet to be inter locked at middle of the 1200x600 mm panel to form a grid 600x600 mm, resting on periphery walls / partitions on a Perimeter wall angle pre-coated steel of size (24x24x3000 mm) made of 0.40 mm thick (minimum) sheet with the help of rawl plugs at 450 mm centre to centre with 25 mm long dry wall screws @ 230 mm interval and laying 15 mm thick densified	Sqm		1566	0.00
		edges calcium silicate ceiling tiles of approved texture (Spintone/ Cosmos/ Hexa) in the grid, including cutting/ making opening for services like diffuser, grills, light fittings, fixtures, smoke detector etc. wherever required. Main 'T' runners to be suspended from ceiling using G.I slotted cleats of size 25x35x1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm G.I adjustable rods with galvanised steel level clips of size 85x30x0.8 mm, spaced at 1200 mm centre to centre along main 'T' bottom exposed with 24 mm of all T-section shall be pre-painted with polyster baked paint, for all heights, as per specifications, drawings and as directed by engineer-in-charge. Note:- Only calcium silicate false ceiling area will be measured from wall to wall. No deduction shall be made for exposed frames/ opening (cut outs) having area				
		less than 0.30 sqm. The calcium silicate ceiling tile shall have NRC value of 0.50 (Minimum), light reflection > 85%, non - combustible as per B.S 476 part IV, 100% Humidity resistance and also having thermal conductivity < 0.043 w/m 0KC.				
		TOTAL CARRIED OVER TO SUMMARY				187584.65
		FINISHING:				
66	13.4	12mm cement plaster of mix :				
a)	13.4.2	1:6 (1 cement : 6 coarse sand)	Sqm	3000.00	112.50	337500.00

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
67	13.7	12mm cement plaster finished with a floating coat of neat cement of mix :				
a)	13.7.1	1:4 (1 cement : 4 fine sand)	Sqm	60.00	107.80	6468.00
68	13.12	18 mm cement plaster in two coats under layer 12mm thick cement plaster 1:5 (1 cement : 5 coarse sand) and a top layer 6mm thick cement plaster 1:3 (1 cement: 3 coarse sand) finished rough with sponge.	Sqm	400.00	123.50	49400.00
69	13.5	15mm cement plaster on rough side of single or half brick wall of mix:				
a)	13.5.2	1:6 (1 cement : 6 Coarse sand)	Sqm	3000.00	130.20	390600.00
70	13.16	6 mm cement plaster to ceiling of mix :				
a)	13.16.1	1:3 (1 cement : 3 fine sand)	Sqm.	1050.00	101.00	106050.00
71	13.23	Extra for plastering on circular work not exceeding 6m in radius:				
a)	13.23.1	In one coat	Sqm.	100.00	13.65	1365.00
72	13.26	Providing and applying plaster of paris putty of 2mm thickness over plastered surface to prepare the surface even and smooth complete.	Sqm.	4050.00	83.80	339390.00
73	13.37	White washing with lime to give an even shade				
a)	13.37.1	New work (three or more coats)	Sqm.	150.00	11.75	1762.50
74	13.41	Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade.				
a)	13.41.1	New work (two or more coats) over and including priming coat with cement primer	Sqm	1400.00	66.70	93380.00
75	13.47	Finishing walls with Premium Acrylic Smooth exterior paint with "Silicone additives of required shade				
a)	13.47.1	New work (two or more coats applied @1.43 ltr/10 sqm over and including base coat of water proofing cement paint applied @2.20kg/10sqm)	Sqm	2305.00	80.45	185437.25
76	13.60	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade :				
a)	13.60.1	Two or more coats on new work	Sqm	1500.00	60.25	90375.00

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
77	13.45	Finishing walls with textured exterior paint of required shade				
a)	13.45.1	New work (two or more coats applied @ 3.28 Ltr/ 10 Sqm) over and including base coat of water proofing cement paint applied @ 2.20 Kg./ 10 Sqm.	Sqm	500.00	117.70	58850.00
78	13.50	Applying priming coat:				
a)	13.50.1	With ready mixed pink or grey primer of approved brand and manufacturer on wood work (hard & soft wood)	sqm	450.00	25.85	11632.50
79	13.58	Providing and applying two coats of Fire retardent paint unthunned on cleaned wood/ply surface @ 3.5 sqm per litre per coat including preparation of base surface asper recommendation of manufacture to make the surface fire retardent.	Sqm	30.00	267.15	8014.50
a)	13.61	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :				
b)	13.61.1	Two or more coats on new work	Sqm	500.00	53.85	26925.00
80	13.76	Forming groove of uniform size from 12x12mm and 25x15mm in plastered surface as per approved pattern using wooden battens, nailed to the under layer including removal of wooden battens, repair to the edges of panel and finishing the groove complete as per specifications and direction of the Engineer-In-Charge.	Mtr.	200.00	72.15	14430.00
		TOTAL CARRIED OVER TO SUMMARY				1721579.75
		ALUMINIUM WORK:				

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
81	21.1	Providing & fixing aluminium work for doors, windows, ventilators & partitions with extruded built up standard tubular sections/ appropriate Z-sections and other sections of approved make conforming to IS: 733 & IS:1285, fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top bottom and sides with required of PVC/neoprene felt etc. Aluminium sections shall be smooth, rust free, straight, mitred & jointed mechanically wherever required including cleat angle, aluminium snap beading for glazing/panelling C.P. brass/ Stainless Steel screws, all complete as per architectural drawings & the directions of Engineer-In-Charge. (Glazing and panelling to be paid for separately).				
a)	21.1.1	For fixed portion				
i)	21.1.1.1	Anodized aluminium (anodized transparent or dyed to required shade according to IS:1868, Minimum anodic coating of grade AC 15).	Kg.	1700.00	358.30	609110.00
b)	21.1.2	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of PVC/ neoprene gasket required. (Fittings shall be paid for separately)				
i)	21.1.2.1	Anodized aluminium (anodized transparent or dyed to required shade according to IS:1868, Minimum anodic coating of grade AC 15).	Kg.	1650.00	406.50	670725.00
82	21.4	Providing & fixing double action hydraulic floor spring of approved brand and manufacture IS:6315 marked, for doors including cost of cutting floors as required, embedding in floors and cover plates with brass pivot and single piece MS sheet outer box with slide plate etc. complete as per the direction of Engineer-In-charge.				
a)	21.4.1	With stainless steel cover plate	Each	1.00	1953.10	1953.10
83	21.13	Providing & fixing 100mm brass locks (best make of approved quality) for aluminium doors including necessary cutting and making good etc. complete.	Each	1.00	356.10	356.10
84	21.15	Providing & fixing aluminium casement window fastener of required length for aluminium windows with necessary screws etc. complete.				
a)	21.15.1	Anodized(AC15) aluminium.	Each	30.00	50.50	1515.00

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
85	21.16	Providing & fixing aluminium round shape handle of outer dia 100mm with SS screws etc. complete as per direction of Engineer-incharge.				
a)	21.16.1	Anodized(AC15) aluminium.	Each	30.00	60.95	1828.50
86	21.3	Providing and fixing glazing in aluminium doors, windows, ventilator shutters & partitions etc. with PVC/ neoprene gasket etc. complete as per architectural drawings and the directions of Engineer-In -Chage (Cost of aluminium snap beading shall be paid in basic item).				
a)	21.3.2	With float glass panes of 5.5 mm thickness	Sqm	170.00	905.75	153977.50
		TOTAL CARRIED OVER TO SUMMARY				1439465.20
		NON-SCHEDULE ITEM:				
87	NS	Providing and fixing glazing in aluminium doors, windows, ventilator shutters & partitions etc. with PVC/ neoprene gasket etc. complete as per architectural drawings and the directions of Engineer-In -Chage (Cost of aluminium snap beading shall be paid in basic item).				
		With 10mm thickness Texture toughened glass	Sqm	8.00	1448.28	11586.21
		TOTAL CARRIED OVER TO SUMMARY				11586.21
		WATER PROOFING:				
88	22.5	Providing and laying water proofing treatment in sunken portion of WCs, bathrooms etc. by applying cement slurry mixed with water proofing cement comopund consisting of applying: a) First layer of slurry of cement @ 0.488 kg./Sqm mixed with water proofing cement comound @ 0.253 kg./Sqm. This layer will be allowed to air cure for 4 hours. b) Second layer of slurry of cement @ 0.242 kg./Sqm mixed with water proofing cement comopund @ 0.126 kg./Sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours. The rate includes preparation of surface, treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry.	Sqm	100.00	215.15	21515.00

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
89	22.7	Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces consisting of following operations: a) Applying and grouting a slurry coat of neat cement using 2.75 kg./Sqm of cement admixed with water proofing compound conforming to IS:2645 and approved by Engineer-In-Charge over the RCC slab including adjoining walls upto 300mm height including cleaning the surface before treatment. b) Laying brick bats with mortar using broken bricks/brick bats 25mm to 115mm size with 50% of cement mortar 1:5 (1cement : 5 coarse sand) admixed with water proofing cement compound conforming to IS:2645 and approved by Engineer-In-Charge over 20mm thick layer of cement mortar of mix 1:5 (1 cement: 5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by the Engineer-In-Charge to required slope & treating similarly the adjoining walls upto 300 mm height including rounding of junctions of walls and slabs.				
		c) After two days of proper curing applying a second coat of cement slurry using 2.75 kg./sqm of cement admixed with water proofing compound conforming to IS:2645 and approved by the Engineer-In-Charge. d) Finishing the surface with 20mm thick jointless cement mortar of mix 1:4 (1 cement : 4 coarse sand) admixed with water proofing compound conforming to IS:2645 and approved by the Engineer-In-charge including laying glass fibre cloth of approved quality in top layer of plaster and finally finishing the surface with trowel with neat cement slurry and making pattern of 300mmx 300mm square. e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test. All above operations to be done in order and as directed and specified by the Engineer-In-Charge.				
a)	22.7.1	With average thickness of 120mm and minimum thickness at khurra as 65mm.	Sqm	700.00	786.70	550690.00
		TOTAL CARRIED OVER TO SUMMARY				572205.00

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
		MISCELLANEOUS ITEMS				
		NON SCHEDULE ITEMS				
90	NS	providing & fixing SS plates with words in etching black/any colour as per detail, on SS plate 1mm thick chrome plated				
a		SS plate for specific rooms-size 12"x8"	Each	30.00	1092.41	32772.41
b		SS plate for toilet-size 12"x6"	Each	4.00	819.31	3277.24
c		SS plate for floor number-size 8"x8"	Each	4.00	728.28	2913.10
d		SS plate for pull/push-size 2"x6"	Each	4.00	136.55	546.21
91	NS	providing & fixing signage 3mm thick acrylic sheet with Radium printing, with mat/gloss lamination SS plates with words in etching black/any colour as per detail, on SS plate 1mm thick chrome plated				0.00
a		EXIT plate- size 12"x6"	Each	4.00	819.31	3277.24
b		Emergency plate - size 12"x6"	Each	2.00	819.31	1638.62
c		NO SMOKING plate - size 12"x6"	Each	4.00	813.79	3255.17
		TOTAL CARRIED OVER TO SUMMARY				47680.00

ABSTRACT OF COST FOR GIRLS HOSTLE			
SL.NO.	DESCRIPTION	AMOUNT AS PER	MARKET
		DSR'2012	
1	SANITARY FIXTURES	111984.65	
2	SOIL, WASTE VENT PIPE	310560.00	
3	WATER SUPPLY (INTERNAL)	222958.45	213534.48
4	DRAINAGE(SEWERAGE)	138997.00	
5	EARTH WORK	36997.00	
	Total	821497.10	213534.48

NAME OF THE PROJECT :CONSTN. GIRLS HOSTLE NEILIT

NAME OF WORK: DETAILED COST ESTIMATE OF INTERNAL PLUMBING WORKS

SL. NO.	DSR 2012	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
A	SANITARY FIXTURE:					
1	17.1	Providing and fixing water closet squatting pan (Indian type WC pan) with 100mm sand cast iron P or S trap, 10 litres low level white PVC flushing cistern with manually controlled device (Handle lever) conforming to IS:7231 with all fittings & fixtures completes,including cutting and making good the walls and floors wherever required :				
a)	17.1.1	White Vitreous china Orissa pattern WC pan of size 580 x 440mm with integral type foot rest.	Each	2	2964.10	5928.20
2	17.3	Providing and fixing white vitreous china pedestal type water closet (European type) with seat & lid with CP brass hinges & rubber buffers, 10 ltr low level white viterous china flushing cistern & C.P. flush bend with fittings and C.I. brackets, 40mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete including painting of fittings and brackets, cutting & making good the walls and floors wherever required.				
a)	17.3.1	WC Pan with ISI marked white solid plastic seat and lid	Each	14	4220.8	59091.20
3	17.7	Providing and fixing wash basin with CI brackets, 15mm CP brass pillar taps, 32mm CP brass waste of standard pattern, including painting of fittings and brackets cutting & making good the walls, wherever required.				
	17.7.1	White vitrious china wash basin size 630 x 450mm with a pair of 15mm C.P. brass pillar taps	Each	14.00	1848.35	25877.00

SL. NO.	DSR 2012	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
4	17.10	Providing and fixing stainless steel A ISI: 304 (18/8) kitchen sink as per IS:13983 with CI brackets and stainless steel plug 40mm including painting of fittings & brackets, cutting and making good the walls wherever required.				
	17.10.1	Kitchen sink with drain board				
	17.10.1.1	Size 510x1040mm bowl depth 250mm	Each	1	6743.55	6743.55
5	17.28	Providing & fixing PVC waste pipe for sink or wash basin including PVC waste fittings complete				
	17.28.1	Semi rigid pipe				
	17.28.1.1	32mm dia	Each	15.00	59.50	892.50
6	17.31	Providing and fixing 600 x 450mm bevelled edge mirror of superior glass (of approved quality) complete with 6mm thick hard board ground fixed to wooden cleats with CP brass screws and washers complete	Each	14.00	674.05	9437.00
7	17.34	Providing and fixing toilet paper holder				
	17.34.1	C.P brass	Each	16.00	250.95	4015.20
		TOTAL FOR SCHEDULE TIEMS(SANITARY FIXTURE)				111984.65
(B)	SOIL WASTE VENT PIPES AND FITTINGS:					
8	17.35	Providing and fixing soil, waste vent pipes				
a)	17.35.1	100mm dia				
	17.35.1.2	Centrifugally cast (spun) iron socketed pipe as per IS:3989.S&S pipe	Mtr	100.00	857.30	85730.00

SL. NO.	DSR 2012	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
b)	17.35.2	75mm dia				
	17.35.2.2	Centrifugally cast (spun) iron socketed pipe as per IS:3989.	Mtr	90.00	744.50	67005.00
9	17.37	Providing and fixing MS holder-bat clamps of approved design to Sand Cast iron/cast iron (spun) pipe embedded in and including cement concrete blocks 10x10x10 cm of 1:2:4 mix (1 cement: 2 coarse sand : 4 graded stone aggregate 20mm nominal size) including cost of cutting holes and making good the walls etc.				
	17.37.1	For 100mm dia pipe	Each	42	112.50	4688.00
	17.37.2	For 75mm dia pipe	Each	38	110.15	4131.00
10	17.38	Providing and fixing bend of required degree with access door insertion rubber washer 3mm thick bolts and nuts complete				
a)	17.38.1	100mm				
	17.38.1.2	Sand Cast iron S&S as per IS-3989	Each	8.00	353.25	2826.00
b)	17.38.2	75mm				
	17.38.2.2	Sand Cast iron S&S as per IS-3989	Each	4.00	281.15	1125.00
11	17.39	Providing and fixing plain bend of required degree				
a)	17.39.1	100mm				
	17.39.1.2	Sand Cast iron S&S as per IS-3989	Each	25.00	296.35	7409.00
b)	17.39.2	75mm				
	17.39.2.2	Sand Cast iron S&S as per IS-3989	Each	35.00	221.95	7768.00
12	17.40	Providing and fixing heal rest sanitary bend				

SL. NO.	DSR 2012	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
a)	17.40.1	100mm				
	17.40.1.2	Sand Cast iron S&S as per IS-3989	Each	4.00	342.80	1371.00
b)	17.40.2	75mm				
	17.40.2.2	Sand Cast iron S&S as per IS-3989	Each	4.00	297.45	1190.00
13	17.43	Providing and fixing single equal plain junction of required degree with access door, insertion rubber washer 3mm thick, bolts and nuts complete.				
a)	17.43.1	100x100x100mm				
	17.43.1.2	Sand Cast iron S&S as per IS-3989	Each	1.00	579.45	579.00
b)	17.43.2	75x75x75mm				
	17.43.2.2	Sand Cast iron S&S as per IS-3989	Each	1.00	438.00	438.00
14	17.56	Providing and fixing terminal guard				
a)	19.56.1	100mm				
	17.56.1.2	Sand Cast iron S&S as per IS-3989	Each	8.00	244.10	1953.00
b)	17.56.2	75mm				
	17.56.2.2	Sand Cast iron S&S as per IS-3989	Each	8.00	221.95	1776.00
15	17.57	Providing and fixing collars				
a)	17.57.1	100mm				
	17.57.1.2	Sand Cast iron S&S as per IS-3989	Each	71	238.25	17018.00
b)	17.57.2	75mm				

SL. NO.	DSR 2012	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
	17.57.2.2	Sand Cast iron S&S as per IS-3989	Each	64	169.25	10880.00
16	17.58	Providing lead caulked joints to sand cast iron/centrifugally cast (spun) iron pipes & fittings of dia				
a)	17.58.1	a) 100mm	Each	146	207.85	30316.00
b)	17.58.2	b) 75mm	Each	132	176.50	23222.00
17	17.60	Providing and fixing trap of self cleaning design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors.				
a)	17.60.2	a) 100mm inlet and 75mm outlet				
	17.60.2.1	Sand Cast iron S&S as per IS-3989	Each	35.00	838.85	29360.00
18	17.61	Cutting chases in brick masonry walls for following diameter sand cast iron/centrifugally cast (spun) iron pipes and making good the same with cement concrete 1:3:6 (1 cement: 3 coarse sand: 6 graded stone aggregate 12.5mm nominal size) including necessary plaster and painting in cement mortar 1:4 (1 cement: 4 coarse sand).				
a)	17.61.1	a) 100mm dia	Mtr.	16.00	252.10	4034.00
b)	17.61.2	b) 75mm dia	Mtr.	16.00	180.40	2886.00
19	17.65	Painting sand cast iron/centrifugally cast (spun) iron soil, waste vent pipes and fittings with paint of any colour such as chocolate grey or buff etc. over a coat of primer (of approved quality) for new work.				
a)	17.65.1	a) 100mm dia meter pipe	Mtr	100.00	28.75	2875.00
b)	17.65.2	b) 75mm dia meter pipe	Mtr	90.00	22.00	1980.00

SL. NO.	DSR 2012	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
		TOTAL FOR SCHEDULE ITEMS(SOIL WASTE VENT PIPES & FITTINGS)				310560.00
C)		WATER SUPPLY				
		SCHEDULE ITEMS				
20	18.1	Providing & fixing Polyethene Aluminim Polyethene (PE-AL-PE) composite pressure pipes conforming to IS-15450 U.V. stabilized with carbon black having thermal stability for hot & cold water supply, capable to withstand temperature upto 80 deg. C including all special fittings of composite material (engineering plastic blend and brass inserts wherever required) i.e. elbows, tees, reducers, couplers & connectors etc. with clamps at 1.00 metre spacing. This includetesting of joints complete as per direction of Engineer-in-charge.				
		Internal work -Exposed on wall				
	18.1.3	2025(16mm OD)pipe	Mtr	15	277.95	4169.25
	18.1.4	2532(16mm OD)pipe	Mtr	15	362.85	5442.75
	18.1.5	3240(16mm OD)pipe	Mtr	15	559.65	8394.75
	18.1.6	4050 (16mm OD)pipe	Mtr	15	597.40	8961.00
21	18.2	Providing & fixing Polyethene Aluminim Polyethene (PE-AL-PE) composite pressure pipes conforming to IS-15450 U.V. stabilized with carbon black having thermal stability for hot & cold water supply, capable to withstand temperature upto 80 deg. C including all special fittings of composite material (engineering plastic blend and brass inserts wherever required) i.e. elbows, tees, reducers, couplers & connectors etc. with clamps at 1.00 metre spacing. This includes the costs of cutting chases and including testing of joints complete as per direction of Engineer-in-charge.				

SL. NO.	DSR 2012	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
		Concealed installation including cutting chases and making good the walls etc. complete				
	18.2.1	1216 (16mm OD) pipe	Mtr	80	297.95	23836.00
	18.2.2	1620 (20mm OD) pipe	Mtr	80	340.60	27248.00
22	18.3	Providing & fixing Polyethene Aluminim Polyethene (PE-AL-PE) composite pressure pipes conforming to IS-15450-2004 U.V. stabilized with carbon black having thermal stability for hot & cold water supply, capable to withstand temperature upto 80 deg. C including all special fittings of composite material (engineering plastic blend and brass inserts wherever required) i.e. elbows, tees, reducers, couplers & connectors etc. with trenching,refilling and testing of joints complete as per direction of Engineer-in-charge.				
		External work				
	18.3.6	4050 (50 MM OD) Pipe	Mtr	20	558.75	11175.00
23	18.13	Making connection of GI distribution branch with GI main of following sizes by providing & fixing tee, including cutting and threading the pipe etc. complete.				
	18.13.2	50-80 mm nominal bore	Each	1	630.15	630.15
24	18.17	Providing and fixing gun metal gate valve with CI wheel of approved quality (screwed end).				
	18.17.1	25mm nominal bore	Each	6	372.95	2237.70
	18.17.2	32mm nominal bore	Each	2	450.90	901.80
	18.17.3	40mm nominal bore	Each	2	546.05	1092.10
	18.17.4	50mm nominal bore	Each	2	780.60	1561.20

SL. NO.	DSR 2012	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
25	18.18	Providing and fixing ball valve (brass) of approved quality. High or low pressure, with plastic floats complete.				
	18.18.1	15mm nominal bore	Each	4	258.05	1032.20
26	18.19	Providing and fixing gun metal non-return valve of approved quality (screwed end).				
	18.19.2	32mm nominal bore				
	18.19.2.1	Horizontal	Each	1	490.25	490.25
	18.19.3	40mm nominal bore				
	18.19.2.2	Horizontal	Each	1	620.25	620.25
	18.19.4	50mm nominal bore				
	18.19.2.3	Horizontal	Each	2	936.35	1872.70
27	18.22	Providing and fixing C.P brass Shower rose with 15 or 20 mm inlet				
	18.22.1	100 mm diameter	Each	13	58.15	755.95
28	18.27	Providing & laying S&S centrifugally cast (spun) iron pipes (Class LA) confirming to IS-1536				
	18.27.3	100mm dia pipe	Mtrs	60.00	1476.70	88602.00
29	18.49	Providing & fixing CP brass bib cock of approved quality conforming IS 8931:				
	18.49.1	15mm nominal bore	Each	39.00	397.50	15503.00
30	18.52	Providing and fixing CP brass stop cock (concealed) of standard design and approved make confirming to IS: 8931.				

SL. NO.	DSR 2012	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
a)	18.52.1	15mm nominal bore	Each	39.00	426.55	16635.00
31	18.53	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved make conforming to IS 8931				
		15mm nominal bore	Each	4.00	449.35	1797.40
		TOTAL FOR SCHEDULE ITEMS (WATER SUPPLY)				222958.45
		NON-SCHEDULE ITEMS :(WATER SUPPLY)				
32	NS	Providing and fixing CI cover with frame for RCC UGT / OHT				
a)		a) 560 mm dia internal dia DI cover with frame (Heavy duty total weight of the cover not less than 60 Kg)	Each	2.00	3448.28	6896.55
33	NS	Providing and fixing monoblock centrifugal pumping set with gun metal impeller with totally enclosed fan cooled squirrel cage induction motor capable of discharging 50 LPM against 35m head complete with flow and pressure dial guage, base plate priming arrangement, with wiring, panel & equipments for water level controller to start / stop the pump automatically with protection for dry run etc. complete in all respects.	Each	2.00	24137.93	48275.86
34	NS	Supplying instalation testing and commisioning of RO/Water Cooler				
	a)	Water Cooler	Each	1.00	21724.14	21724.14
	b)	RO	Each	1.00	19396.55	19396.55
35	NS	Providing and placing on terrace (at all floor levels) polyethylene water storage tank IS:12701 marked with cover & suitable locking arrangement and making necessary holes for inlet, outlet & overflow pipes but without fittings and the base support for tank.	Litre	5000	9.66	48275.86

SL. NO.	DSR 2012	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
36	NS	Supplying instalation testing and commisioning of 35 ltr Geysers.(Usha/Recold/Inhalsa)	Litre	5	13793.10	68965.51724
		TOTAL FOR NON-SCHEDULE ITEMS :(WATER SUPPLY)				213534.48
	D)	SEWERAGE (INTERNAL):				
37	19.1	Providing, laying & jointing glazed stoneware pipes grade 'A' with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete				
a)	19.1.1	100 mm diameter	Mtr	20.00	150.10	3002.00
38	19.2	Providing and laying cement concrete 1:5:10 (1 cement: 5 coarse sand : 10 graded stone aggregate 40mm nominal size) around SW pipes including bed concrete as per standard design.				
a)	19.2.1	100 mm dia RCC pipe	Mtr	20.00	496.90	9938.00
39	19.3	Providing and laying cement concrete 1:5:10 (1 cement: 5 coarse sand : 10 graded stone aggregate 40mm nominal size) upto haunches of SW pipes including bed concrete as per standard design.				
	19.3.2	150mm diameter SW pipe	Mtr	20.00	382.75	7655.00
40	19.4	Providing and fixing square - mouth SW gully trap grade 'A' complete with CI grating brick masonry chamber with water tight CI Cover with frame of 300x300mm size (inside) the weight of cover to be not less than 4.50 Kg. and frame to be not less than 2.70 Kg as per standard design.				
a)	19.4.1	100x100mm size 'P' type				
	19.4.1.1	With FPS bricks class designation 75.	Each	7.00	1256.35	8794.00

SL. NO.	DSR 2012	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
41	19.6	Providing and laying non-pressure NP2 class (light duty) RCC pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of the joints etc. complete.				
a)	19.6.2	150 mm dia RCC pipe	Mtr	100.00	254.50	25450.00
42	19.7	Constructing brick masonry manhole in cement mortar 1:4 (1 cement: 4 coarse sand) RCC top slab with 1:2:4 mix (1 cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size), fondation concrete 1:4:8 (1 cement: 4 coarse sand: 8 graded stone aggregate 40 mm nominal size) inside plastering 12 mm thick with cement mortar 1:3 (1 cement: 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregated 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design.				
a)	19.7.1	Inside size 90 x 80 cm and 60 cm deep including CI cover with frame (light duty) 455 x 610 mm internal dimensions total weight of cover and frame to be not less than 38 kg) (weight of the cover 23 kg and weight of frame 15 kg).				
	19.7.1.1	With FPS bricks with class designation 75	Each	10.00	7132.00	71320.00

SL. NO.	DSR 2012	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
43	19.16	Providing orange colour safety foot rest of minimum 6 mm thick plastic encapsulated as per IS:10910 on 12mm dia steel bar conforming to IS:1786 having minimum cross section as 23mm x 25mm and over all minimum length 263 mm and width as 165mm with minimum 112mm space between protruded legs having 2mm tread on top surface by ribbing or chequering besides necessary & adequate anchoring projections on tail length on 138mm as per standard drawing and suitable to with stand the bend test and chemical resistance test as per specifications and having manufacture's permanent identification mark to be visible even after fixing, including fixing in manholes with 30x20x15cm cement concrete block 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size) complete as per design.	Each	50.00	256.75	12838.00
		TOTAL FOR SCHEDULE ITEMS				138997.00
	E)	EARTH WORK(INTERNAL PLUMBING WORK)				
		SCHEDULE ITEMS				
44	2.6	Earth work in excation over areas (exceeding 30cm in depth, 1.5 in width as well as 10 sq.mt in plan) including disposal of excavated earth lead upto 50m and lift upto 1.5 m disposed earth to be levelled and neatly dressed.				
a)	2.6.1	All kind of soil	Cum	100.00	129.35	12935.00
45	2.10	Excavating trenches of required width for pipes, cables, etc. including excavation for sockets and refessing of sides, ramming of bottom depth upto 1.5m including getting out the excavated soil, and then returning the soil as required in layers not exceeding 20mm in depth including consolidating earth deposited layer by ramming, watering etc. and disposing of surplus excavated soil as directed within a lead of 50m.				

SL. NO.	DSR 2012	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
a)	2.10.1	All kinds of soil				
	2.10.1.2	Pipes, cables etc. exceeding 80mm dia but not exceeding 300mm dia	Mtr	120.00	165.60	19872.00
46	2.25	Filling available excavated earth (excluding rock) in trenches, plinth sides of foundations etc. in layer not exceeding 20 cm in depth consolidation earth deposited layer by ramming and watering lead upto 50m and lift upto 1.5m.	cum	50.00	83.80	4190.00
		TOTAL FOR EARTH WORK				36997.00

**NATIONAL BUILDINGS CONSTRUCTION CORPORATION LIMITED
COUNSULTANCY DIVISION**

NAME OF PROJECT :CONSTRUCTION WORK OF NEILET, AGARTALA

NAME OF WORK : PROVIDING INTERNAL ELECTRICAL INSTALLATIONS IN GIRLS HOSTEL AT NEILET, AGARTALA

S.NO.	DSR NO.	DESCRIPTION	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
(A):	SCHEDULE ITEMS					
1	1.10	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FR PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FR PVC insulated copper conductor single core cable etc as required.				
a)	1.10.3	Group C	Point	299	664.00	198536.00
2	1.11	Wiring for twin control light point with 1.5 sq.mm FR PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, 2 way modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FR PVC insulated copper conductor single core cable etc as required.	Point	8	710.00	5680.00
3	1.12	Wiring for light/power plug with 2x4 Sq.mm FR PVC insulated, copper conductor, single core cable in surface/recessed PVC conduit alongwith 1 No. 4 Sq.mm FR PVC insulated copper conductor single core cable for loop earthing as required.	Metre	2520	162.00	408240.00
4	1.13	Wiring for light/power plug with 4x4 Sq.mm FR PVC insulated, copper conductor, single core cable in surface/recessed PVC conduit alongwith 2 Nos. 4 Sq.mm FR PVC insulated copper conductor single core cable for loop earthing as required.	Metre	1080	268.00	289440.00
5	1.14	Wiring for circuit/sub main wiring alongwith earth wire with the following sizes of PVC insulated copper conductor, single core cable in surface/recessed PVC conduit as required.				
a)	1.14.1	2x1.5 Sqmm + 1x1.5 Sq.mm (For circuit wiring)	Metre	2000	107.00	214000.00
b)	1.14.4	2x6 Sqmm + 1x6 Sq.mm	Metre	100	206.00	20600.00
b)	1.14.5	2 X 10 sq. mm + 1 X 10 sq. mm earth wire	Metre	200	310.00	62000.00
d)	1.14.9	4x6 Sqmm + 2x6 Sq.mm	Metre	200	358.00	71600.00
e)	1.14.11	4x10 Sqmm + 2x10 Sq.mm	Metre	200	562.00	112400.00
6	1.18	Supplying and drawing following pair 0.5 sq mm FR PVC insulated annealed copper conductor, unarmored telephone cable in the existing surface/ recessed steel/ PVC conduit as required.				
(a)	1.18.3	4 Pair	Metre	100	24.00	2400.00
7	1.21	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.				
a)	1.21.1	20 mm	Metre	90	56.50	5085.00
b)	1.21.2	25 mm	Metre	30	64.50	1935.00

S.NO.	DSR NO.	DESCRIPTION	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
8	1.22	Supplying and fixing metal box of following sizes (nominal size) on surface or in recess with suitable size phenolic laminated sheet cover in front including painting etc. as required.				
a)	1.22.1	75mm x 75mm x 60mm	Each	12	72.00	864.00
9	1.24	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.				
a)	1.24.3	15/16 amp switch	Each	60	109.00	6540.00
b)	1.24.4	3 pin 5/6 amp socket outlet	Each	180	96.00	17280.00
c)	1.24.6	Telephone socket outlet	Each	8	48.50	388.00
d)	1.24.8	Bell push	Each	4	98.50	394.00
10	1.25	Supplying and fixing stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	Each	58	322.00	18676.00
11	1.26	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	Each	15	22.00	330.00
12	1.27	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required.				0.00
a)	1.27.1	1 or 2 Module (75mmX75mm)	Each	24	142.00	3408.00
b)	1.27.3	4 Module (125mmX75mm)	Each	6	173.00	1038.00
c)	1.27.4	6 Module (200mmX75mm)	Each	6	221.00	1326.00
d)	1.27.5	8 Module (125mmX125mm)	Each	60	255.00	15300.00
13	1.32	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.	Each	30	366.00	10980.00
14	1.35	Erection of wall bracket /ceiling fittings of all sizes and shapes containing upto two GLS lamps per fitting, complete with all accessories including connection etc. as required.	Each	149	39.00	5811.00
15	1.41	Installation, testing and commissioning of prewired fluorescent fitting/compact fluorescent fitting of all types, complete with all accessories and tubes etc. directly on ceiling/wall including connection 1.5 Sqmm FR PVC insulated, copper conductor, single core cable and earthing etc. as required.	Each	48	69.50	3336.00
16	1.42	Installation, testing and commissioning of pre-wired, fluorescent fitting / compact fluorescent fitting of all types, complete with all accessories and tube etc., including supplying and fixing ball and socket arrangement, 2 no. down rods of 20 mm dia X 1.6 mm thick steel conduit upto 30 cm length, painting and wiring the down rods and connection with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable and earthing etc. as required.	Each	28	195.00	5460.00
17	1.44	Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable etc. as required.	Each	58	73.50	4263.00
18	1.49	Numbering of ceiling fan/exhaust fan/ fluorescent fittings as required.	Each	146	19.50	2847.00

S.NO.	DSR NO.	DESCRIPTION	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
19	1.50	Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required.				0.00
a)	1.50.1	Upto 450 mm sweep	Each	12	163.00	1956.00
20	1.51	Extra for fixing the louvers/ shutters complete with frame for a exhaust fan of all sizes.	Each	12	68.50	822.00
21	2.2	Providing and fixing following rating and breaking capacity MCCB in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required.				0.00
a)	2.2.1	100 Amp, 16 KA	Each	1	2801.00	2801.00
22	2.3	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)				0.00
a)	2.3.2	2 + 6 way, Single door	Each	2	513.00	1026.00
b)	2.3.4	2 + 12 way, Single door	Each	4	696.00	2784.00
23	2.4	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)				0.00
a)	2.4.4	4 way (4 + 12), Double door	Each	4	1654.00	6616.00
b)	2.4.5	6 way (4 + 18), Double door	Each	4	2047.00	8188.00
24	2.5	Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 volts, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 amps tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCB's (but without MCB's and incomer) as required . (Note : Vertical type MCB TPDB is normally used where 3 phase outlets are required.)				0.00
a)	2.5.1	4 way (4 + 12), Single door	Each	1	2691.00	2691.00
b)	2.5.3	12 way (4 + 36), Single door	Each	1	4761.00	4761.00
25	2.10	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				0.00
a)	2.10.1	Single pole	Each	172	141.00	24252.00
b)	2.10.2	Single pole and neutral	Each	6	367.00	2202.00
c)	2.10.5	Triple pole and neutral	Each	6	723.00	4338.00
26	2.11	Supplying & fixing single pole blanking plate in the existing MCB DB complete etc. as required.	Each	8	5.50	44.00
27	2.13	Supplying and fixing following rating, four pole, 415 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.				0.00
a)	2.13.1	40 amps	Each	1	554.00	554.00
28	2.14	Supplying and fixing of following rating, double pole, (single phase & neutral), 240 Volts, residual current circuit breaker (RCCB), having a sensitivity current upto 300 mA in the existing MCB DB complete with connections, testing and commissioning as required.				

S.NO.	DSR NO.	DESCRIPTION	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
a)	2.14.1	25 Amps	Each	2	1318.00	2636.00
b)	2.14.2	40 Amps.	Each	4	1394.00	5576.00
29	2.15	Supplying and fixing following rating, four pole, (three phase and neutral), 415 volts, residual current circuit breaker (RCCB), having a sensitivity current upto 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.				0.00
a)	2.15.1	25 Amps	Each	4	1679.00	6716.00
b)	2.15.2	40 Amps.	Each	4	1703.00	6812.00
30	5.2	Earthing with GI earth pipe 4.5 m long, 40mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal / coke and salt as required.	Set	2	3385.00	6770.00
31	5.9	Supplying and laying 25 mm X 5 mm G.I strip at 0.50 metre below ground as strip earth electrode, including connection/ terminating with nut, bolt, spring, washer etc. as required. (Jointing shall be done by overlapping and with 2 sets of G.I nut bolt & spring washer spaced at 50mm)	Metre	5	97.50	488.00
32	5.18	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing along with existing surface/ recessed conduit/ submain wiring/ cable as required.	Metre	19	19.50	371.00
TOTAL FOR SCHEDULE ITEMS						1582561.00
(B) NON-SCHEDULE ITEMS:						
33	NS	Supplying of light fittings complete with all standard accessories as required.				
a)		1x13 W CFL. Fitting Surface mounted as per Decon Product. No 03XA with Lamp or similar specification of other approved makes.	Each	58	964.83	55960.00
b)		2x11 W CFL. Wall Surface mounted as per Bajaj Product. No BSM 211 CFL W2EB with Lamp or similar specification of other approved makes.	Each	3	1035.17	3106.00
c)		1x18 W CFL. Bulk Head Fitting Surface mounted as per LUSTRE Product. No 6217 with Lamp or similar specification of other approved makes.	Each	10	1482.76	14828.00
d)		1x11 W CFL. Wall Surface (Mirror Light) mounted as per LUSTRE Product. No LI-3230 with Lamp or similar specification of other approved makes.	Each	2	1633.10	3266.00
e)		1x25 W CFL. Single Wall Bracket mounted as per Decon Product. No 05ZP with Lamp or similar specification of other approved makes.	Each	61	835.17	50946.00
f)		2x25 W CFL. Double Wall Bracket mounted as per Decon Product. No 29ZP with Lamp or similar specification of other approved makes.	Each	14	1670.34	23385.00
34	NS	Supplying of Ding bell fittings complete with all standard accessories	Each	4	82.76	331.00
35	NS	Supplying of light fittings complete with all standard accessories of the following type as required.				
a)		1x28 W FI. Fitting as per Bajaj Product. No BLPR 128 with lamp or similar specification of other approved makes.	Each	14	1108.97	15525.52

S.NO.	DSR NO.	DESCRIPTION	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
b)		2x36 W Fl. Fitting as per Bajaj Product. No BCIR 236 W2EB with lamp or similar specification of other approved makes.	Each	34	932.41	31702.07
c)		1x36 W Fl. Fitting as per Bajaj Product. No BCIR 136 WEB with lamp or similar specification of other approved makes.	Each	28	639.31	17900.69
36	NS	Supplying of approved make ceiling fan of double ball bearing of the following sizes with resistance type regulator and its all accessories suitable for operation on 230V single phase, 50 Hz, AC supply complete as required.				
a)		1400mm sweep (USHA/GEC/ CROMPTON/ BAJAJ/HAVELLS)	Each	58	1406.21	81560.00
37	NS	Supplying of approved make Wall fan of the following sizes and its all accessories suitable for operation on 230V single phase, 50 Hz, AC supply complete as required.				
a)		400mm sweep (USHA/GEC/ CROMPTON/ BAJAJ/HAVELLS)	Each	1	2081.38	2081.00
38	NS	Exhaust Fan of the following sizes and its all accessories suitable for operation on 230V single phase, 50 Hz, AC supply complete as required.				
a)		300 mm sweep (HAVELLS/CROMPTON/ BAJAJ)	Each	7	2026.90	14188.00
b)		380 mm sweep (HAVELLS/CROMPTON/ BAJAJ)	Each	5	2433.79	12169.00
39	NS	Supplying installation, testing commissioning of telephone tag block or similar specification of other approved makes. of the following sizes				
a)		10 Pair	Each	1	623.45	623.00
40	NS	Supplying and fixing 40 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of 3 poles with connections, testing and commissioning etc. as required.	Each	5	1072.41	5362.00
TOTAL NON-SCHEDULE ITEMS (B)					RS.	332933.28

NAME OF THE PROJECT: CONSTN. OF PROPOSED GIRLS HOSTEL BLOCK FOR NIELIT AT AGARTALA

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
	HORTICULTURE & LANDSCAPING:					
1	23.1	Trenching in ordinary soil up to a depth of 60cm including removal and stacking of serviveable materials and then disposing of by spreading and neatly leveling with in a lead of 50m and making up the trenched area to proper levels by filling with earth or earth mixed with sludge or/and manure before and after flooding trench with water (excluding cost of impored earth, sludge or manure)	Cum	50.00	30.90	1545.00
2	23.2	Supplying & stackng of good earth at site including royalty and carriage up to 1 km (earht measured in stacks will be reduced by 20% for Payment).	Cum	50.00	260.70	13035.00
3	23.4	Supplying & stackng at site dump manur from Badli or other approved source, including carriage upto 1 km (manure measured in stacks will be reduced by 8% for payment).				
a)	23.4.1	Screened through sieve of IS designation 20mm	Cum	25.00	138.30	3457.50
4	23.5	Rough dressing the trenched ground including breaking clods.	100 Sqm	5.00	59.85	299.25
5	23.6	Uprooting weeds from the trenched area after 10 to 15 days of its flooding with water including disposal of uprooted vegetation	100 Sqm	5.00	194.05	970.25
6	23.7	Fine dressing the ground	100 Sqm	5.00	145.90	729.50
7	23.8	Spreading of sludge, dump manure or/and good earth in required thickness (cost of sludge, dump manure or/and good earth to be paid separately).	Cum	30.00	21.00	630.00
8	23.9	Mixing earth and sludtge or manure in proportion specified or directed	Cum	100.00	14.35	1435.00
9	23.10	Grassing with 'Doob' grass including watering and maintenance of the lawn for 30 days or more till the grass forms a thick lawn free from weeds and fit for mowing including supplying good earth if needed (the good earth shall be paid for separately).				

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
a)	23.10.3	In rows 5 cm apart in either direction	100 Sqm	10.00	700.25	7002.50
10	23.13	Preparation of beds for hedging and shrubbery by excavating 60cm deep and trenching the excavated base to a further depth of 30cm,refilling the excavated earth after breaking clods and mixing with sludge or manure in the ratio of 8:1 (8 parts of stacked volume of earth after reduction by 20% : one part of stacked volume of sludge or manure after reduction by 8%), flooding with water, filling with earth if necessary, watering and finally fine dressing, leveling etc.including stacking and disposal of materials declared unserviceable and surplus earth by spreading and leveling as directed, within a lead of 50m lift up to 1.5 m complete (cost of sludge, manure or extra earth to be paid for separately).	Cum	100.00	87.50	8750.00
11	23.16	Providing and fixing M S flat iron tree guard 60cm dia. And 2m height above ground level formed of 4 nos. 25x6mm and 8 nos 25x3mm vertical M.S. flats rivetted to 3 nos. 25x6mm M S flat iron rings in two halves, bolted together with 8mm dia. And 30mm long bolts including painting two coats with paint of approved brand and manufacture over a coat of priming, complete in all respect.	Each	20.00	2580.60	51612.00
12	23.19	Edging with bricks laid dry length wise including excavation, refilling, consolidating with had packing and spreading nearly surplus earth with a lead of 50m				
a)	23.19.1	75 class designation				
(i)	23.19.1.1	F P S Brick	metre	300.00	23.55	7065.00
		TOTAL FO SCHEDULED ITEMS				96531.00
		NON-SCHEDULED ITEMS				
13	NS	Supply / planting the sapling of trees shaddy, flowering and fruits of height upto 600 mm i/c all excavation in dia 1 meter and depth 1.5meter with good earth/manure in required proportion making Thaola etc and watering complete (The cost of good earth and manure will be paid saperately) Types of trees/sapling should be Cycus palm,Fycus (black), aero coria, Red salsa, Dry cina nohtane , Fycus Rizonald etc as per the Engineer-In-charge.	Each	20.00	379.31	7586.21
14	NS	Supply and planting Goldern Durrente complete in all respect as per the instruction of Engineer-In-charge.	Each	20.00	11.72	234.48
		TOTAL OF NON-SCHEDULE ITEMS				7820.69

**NATIONAL BUILDINGS CONSTRUCTION CORPORATION LIMITED
"CONSULTANCY DIVISION"**

NAME OF THE PROJECT: CONSTRUCTION. OF PROPOSED BOY'S HOSTEL FOR NIELIT AT AGARTALA, TRIPURA

GENERAL ABSTRACT OF COST

S.NO.	DESCRIPTION	AMOUNT AS PER DSR 2012 (RS.)	AS PER MARKET RATE (RS.)
1.0	CIVIL WORK MAIN BUILDING	16396002.20	1660665.24
2.0	INTERNAL & EXTERNAL PLUMBING WORKS	837425.70	213534.48
3.0	INTERNAL ELECTRICAL WORK,	1582561.00	332933.28
7.0	HORTICULTURE & LANDSCAPING:	96531.00	7820.69
	TOTAL	18912519.90	2214953.69

**NAME OF THE PROJECT: CONSTRUCTION. OF PROPOSED BOY'S HOSTEL FOR NIELIT AT AGARTALA,TRIPURA
ABSTRACT OF COST**

SL.NO.	DESCRIPTION		AMOUNT BASED ON	
			DSR-2012 (RS.)	NON SCHEDULED MARKET RATE
1	CARRIAGE OF MATERIAL		3311.50	
2	EARTH WORK		901837.00	
3	CONCRETE WORK		517068.55	8979.31
4	RCC WORK		7685882.35	
5	BRICK WORK		15825.00	1369799.03
6	MARBLE WORK		68709.40	
7	WOOD WORK		1383499.75	
8	STEEL WORK		523995.05	
9	FLOORING WORK		1375039.00	222620.69
10	ROOFING WORK		187584.65	
11	FINISHING WORK		1721579.75	
12	ALUMINIUM WORK		1439465.20	11586.21
13	WATER PROOFING WORK		572205.00	
14	MISCELLANEOS ITEMS			47680.00
		(A)	16396002.20	1660665.24 (B)

NAME OF THE PROJECT: CONSTRUCTION. OF PROPOSED BOY'S HOSTEL FOR NIELIT AT AGARTALA,TRIPURA

CIVIL WORKS						
SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
CARRIAGE OF MATERIALS						
1	1.1.	By mechanical transport including loading, unloading & stacking				
	1.1.1	Lime,moorum,Building rubbish				
a)		1 KM	Cum	50.00	66.23	3311.50
TOTAL CARRIED OVER TO SUMMARY						3311.50
EARTH WORK:						
2	2.6	Earth work in excavation by mechanical means (Hydraulic excavator/manual means over areas (exceeding 30cm in depth , 1.5m in width as well as 10 sqm on plan) including disposal of excavated earth,lead upto 50m and lift upto 1.5m disposed earth to be levelled and neatly dressed.				
a)	2.6.1	All kinds of soil.	cum	380.00	129.35	49153.00
3	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering lead upto 50 mtrs. and lift upto 1.5 mtr.	cum	2035.00	83.80	170533.00
4	2.27	Supplying and filling in plinth with local sand under floors including watering, ramming consolidating and dressing complete.	Cum	270.00	749.30	202311.00
5	2.34	Supplying chemical emulsion in sealed containers including delivery as specified.				
a)	2.34.1	Chlorpyriphos/Lindane Emulsifiable concentrate of 20%.	Ltr.	100.00	185.95	18595.00
6	2.35	Diluting and injecting chemical chemical emulsion for POST CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion)				
a)	2.35.3	Treatment of soil under existing floors using chemical emulsion @ one ltr. Per hol, 300mm apart including drilling 12mm diameter holes and plugging with cement mortar 1:2 (1 cement: 2 coarse sand) to match the existing floor.				

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
i)	2.35.3.1	With Chlorpyriphos /Lindane E C. 20% with 1% concentration.	Sqm	500.00	88.25	44125.00
7	16.3	Supplying and stacking at site:				
a)	16.3.9	Good earth	Cum	1600.00	260.70	417120.00
		TOTAL CARRIED OVER TO SUMMARY				901837.00
		CONCRETE WORK:				
8	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level:				
a)	4.1.3	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	cum	26.00	4514.05	117365.30
b)	4.1.6	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)	cum	60.00	3888.20	233292.00
c)	4.1.8	1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)	cum	25.00	3593.30	89832.50
9	4.2	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing coarses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets etc. upto floor five level, excluding the cost of centering, shuttering and finishing:				
a)	4.2.5	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	cum	5.00	4782.35	23911.75
10	4.11	Providing and laying damp-proof coarse 50mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5 mm nominal size)	Sqm	70.00	254.70	17829.00
11	4.12	Extra for providing and mixing water proofing material 'Impermo' or equivalent in cement concrete work @ 1 kg. Per 50 Kg. of cement.	per 50 kg. cement	200.00	35.35	7070.00
12	4.13	Applying a coat of residual petroleum bitumen of penetration 80/100 of approved quality using 1.7 kg. Per Sqm on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in Kerosene oil.	Sqm	70.00	96.65	6765.50

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
13	4.17	Making Plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 Coarse sand :6 graded stone aggregate 20mm nominal size) over 75 mm bed of dry bricks ballast 40mm nominal size well rammed and consolidated and grouted with fine sand including finishing the top smooth.	Sqm	62.00	338.75	21002.50
		TOTAL CARRIED OVER TO SUMMARY				517068.55
		NON-SCHEDULE ITEM:				
14	NS	Providing and laying in position dry brick ballast 40mm nominal size and grouted with fine sand including finishing the top smooth upto floor five level.	Cum	14.00	641.38	8979.31
		TOTAL CARRIED OVER TO SUMMARY				8979.31
		RCC WORK:				
15	5.9	Centring and shuttering including strutting, propping etc. and removal of form for:				
a)	5.9.1	Foundations, footings, bases of columns etc. for mass concrete.	sqm	460.00	166.90	76774.00
b)	5.9.2	Walls (any thickness) including attached pilasters, butresses, plinth and string courses etc.	sqm	100.00	285.15	28515.00
c)	5.9.3	Suspended floors, roofs, landings, balconies and access platform.	sqm	1182.00	311.20	367838.40
d)	5.9.4	Shelves (Cast in situ)	sqm	100.00	311.20	31120.00
e)	5.9.5	Lintels, beams, plinth beams, girders, bressumers and cantilevers.	sqm	1272.00	262.25	333582.00
f)	5.9.6	Columns, Pillars, Piers, Abutments, posts and Struts	sqm	500.00	365.60	182800.00
g)	5.9.7	Stairs, (excluding landings) except spiral-staircases.	sqm	45.00	326.30	14683.50
h)	5.9.13	Vertical and horizontal fins individually or forming box louvers band, facias and eaves boards	sqm	150.00	470.10	70515.00
i)	5.9.15	Small lintels not exceeding 1.5m clear span, moulding as in cornices, window sills, string courses, bands, copings, bed plates, anchor blocks and the like.	sqm	150.00	166.90	25035.00
j)	5.9.16	Edges of slabs and breaks in floors and walls				
k)	5.9.16.1	Under 20 cms wide	Mtr.	225.00	99.45	22376.25

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
l)	5.9.18	Small surfaces such as cantilever ends, brackets and ends of steps, caps	sqm	100.00	398.35	39835.00
m	5.9.19	Weather shade, chajjas, corbels etc. including edges.	sqm	125.00	411.10	51387.50
16	5.11	Extra for additional height in centering, shuttering where ever required with adequate bracing, propping etc. including cost of deshuttering and de-centering at all levels, over a height of 3.5 m, for every additional height of 1m or part thereof (plan area to be measured)				
a)	5.11.1	Suspended floors, roofs , landings,beams & balconies (Plan area to be measured).	Sqm		121.65	0.00
17	5.18	Providing precast cement concrete Jali 1:2:4 (1 cement: 2 coarse sand: 4 stone aggregate 6mm nominal size) reinforced with 1.6mm dia mild steel wire including centring & shuttering roughening cleaning, fixing and finishing in cement mortar 1:3 (1 cement: 3 fine sand) etc. complete excluding plastering of the jambs, sills and soffits.				
a)	5.18.1	50mm thick	Sqm	35.00	598.15	20935.25
18	5.22	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete				
a)	5.22.6	Thermo-Mechanically Treated bars	Kg.	19560.00	62.25	1217610.00
19	5.22 A	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete				
a)	5.22A.6	Thermo-Mechanically Treated bars	Kg.	42920.00	62.25	2671770.00
20	5.33	Providing and laying in position machine batched, machine mixed and machine vibrated design mix cement concrete of specified grade for reinforced cement concrete work including pumping of concrete to site of laying but excluding the cost of centring, shuttering, finishing and reinforcement-including admixture in recommended proportions as per IS:9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge.				
		Note-cement content considered in this item is @330kg/cum. Excess/less cement used as per design mix is payable /recoverable separately).				
a)	5.33.1	All works upto plinth level	Cum	163.00	5242.15	854470.45
b)	5.33.2	All works above plinth level upto floor five level	Cum	290.00	5781.50	1676635.00
		TOTAL CARRIED OVER TO SUMMARY				7685882.35

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
21	6.15	Extra for providing and placing in position 2 Nos. 6 mm dia MS bars at every third course of half brick masonry (with FPS bricks)	Sqm	250.00	63.30	15825.00
		TOTAL CARRIED OVER TO SUMMARY				15825.00
		NON-SCHEDULE ITEM:				
22	NS	Brick work with FPS bricks of class designation 100 in foundation & plinth in:				
a)		Cement mortar 1:6 (1 cement: 6 coarse sand)	Cum	40.00	3964.2	158568.00
23	NS	Brick work with F.P.S. bricks of class designation 100 in superstructure above plinth level up to floor V level in all shapes and sizes in:				
a)		Cement mortar 1:6 (1 cement: 6 coarse sand)	Cum	260.00	4160.34483	1081689.66
24	N.S	125mm brick masonry with FPS bricks of class designation 100 in supersructure above plinth in level upto floor V level				
a)		Cement mortar 1:4 (1 cement: 4 coarse sand)	Sqm	250.00	518.17	129541.38
		TOTAL CARRIED OVER TO SUMMARY				1369799.03
		MARBLE WORK:				
25	8.2	Providing and fixing 18mm thick gang saw cut mirror (polished premoulded and prepolished) machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size of approved shade, colour and texture laid over 20mm thick base cement mortar 1:4 (1 cement: 4 coarse sand) with joints treated with white cement, mixed with matching pigment,epoxy touch ups, including rubbing curing, moudling and polishing to edge to give high gloss finish etc. complete at all levels.				
a)	8.2.1	White marble - Raj Nagar plain /udaipur green marble /zebra black marble				
i)	8.2.1.2	Area of slab over 0.50 Sqm	Sqm	15.00	1980.80	29712.00
b)	8.2.2	Granite of any colour and shade				

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
i)	8.2.2.2	Area of slab over 0.50 Sqm	Sqm	10.00	3083.40	30834.00
26	8.3	Extra for providing edge moulding to 18mm thick marble stone counters, Vanities etc. Including machine polishing to edge to give high gloss finish etc. Complete as per design approved by Engineer-in-Charge.				
a)	8.3.1	Marble work.	Mtr.	40.00	105.70	4228.00
27	8.5	Extra for providing opening of required size & shape for wash basins / kitchen sink in kitchen platform, vanity counters and similar location in marble / Granite / stone work including necessary holes for pillar taps etc. Including rubbing and polishing necessary etc. complete.	Each	14.00	281.10	3935.40
TOTAL CARRIED OVER TO SUMMARY						68709.40
WOOD WORK:						
28	9.16	Providing and fixing 25mm thick shutters for cupboards etc.				
a)	9.16.1	Panelled or panelled and glazed shutters:				
29	9.16.1.1	Second class teak wood including ISI marked anodised aluminium but hinges with necessary screws.	Sqm	166.00	2440.25	405081.50
30	9.20	Providing and fixing ISI marked flush door shutters conforming to IS:2202 (Part-I) decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters.				
a)	9.20.1	35 mm thick including ISI marked stainless steel butt hinges with necessary screws.	Sqm	130.00	2159.05	280676.50
b)	9.20.3	25mm thick (for cupboard) including ISI marked nickel plated bright finished M.S. piano hinges IS :3818 marked with necessary screws	Sqm	160.00	1789.45	286312.00
31	9.27	Providing and fixing 35mm thick wire gauze shutters using galvanised MS wire gauze of average width of aperture 1.4mm with wire of dia, 0.63mm for doors, windows and clerestory windows including ISI marked bright finished or/and black enamelled MS butt hinges with necessary screws.				
a)	9.27.1	35 mm thick shutters				

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
i)	9.27.1.2	With ISI marked stainless steel butt hinges of required size				
	9.27.1.2.1	Second class teak wood.	Sqm	101.00	2737.90	276527.90
32	9.48	Providing and fixing MS grills of required pattern in frames of windows etc. with MS flats, square or round bars etc. all complete				
a)	9.48.2	Fixed to opening /wooden frames	Kg.	600.00	98.20	58920.00
33	9.96	Providing and fixing aluminium sliding door bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS: 1868) transparent or dyed to required colour or shade with nuts and screws etc. complete:				
a)	9.96.1	300 x 16 mm	Each	42.00	203.80	8559.60
b)	9.96.2	250 x 16 mm	Each	42.00	168.95	7095.90
34	9.97	Providing and fixing aluminium tower bolt ISI marked anodised (anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour or shade with necessary screws etc. complete:				
a)	9.97.1	300x10 mm	Each	84.00	100.40	8433.60
b)	9.97.2	250x10 mm	Each	84.00	86.45	7261.80
c)	9.97.4	150x10 mm	Each	50.00	59.00	2950.00
35	9.83	Providing & fixing IS:3564 marked aluminium Die cast body tubular type universal hydraulic door closer with necessary accessories and screws etc. complete	Each	20.00	610.60	12212.00
36	9.100	Providing and fixing aluminium handles ISI marked anodised (anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour or shade with necessary screws etc. complete:				
a)	9.100.1	125 mm	Each	84.00	62.50	5250.00
b)	9.100.2	100 mm	Each	50.00	49.55	2477.50
37	9.101	Providing and fixing aluminium hanging floor door stopper ISI marked anodised (anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour or shade with necessary screws etc. complete:				

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
a)	9.101.2	Twin rubber stopper	Each	67.00	71.55	4793.85
38	9.103	Providing & fixing bright finished brass 100 mm mortice latch & lock ISI marked with 6 levers and a pair of anodised(anodic coating not less than grade AC 10 as per IS :1868) aluminium lever handles with necessary screws etc. complete (Best make of approved quality)	Each	24.00	706.15	16947.60
		TOTAL CARRIED OVER TO SUMMARY				1383499.75
		STEEL WORK				
39	10.5	Providing and fixing 1mm thick MS sheet door with frame of 40x40x6mm angle iron and 3mm MS gusset plates at the junctions and corners, all				
a)	10.5.1	Using MS angle 40x40x6mm for diagonal braces.	Sqm	2.10	2551.45	5358.05
40	10.11	Providing & fixing factory made ISI marked steel glazed doors, windows and ventilators side/top/central hung with beading and all members such as K11B and K12B etc. complete of standard rolled steel sections, joints mitred and flash butt welded and sash bars tenoned and riveted with 15x3mm lugs, 10cm long, embedded in cement concrete blocks 15x10x10cm of 1:3:6 (1 cement: 3 coarse sand: 6 graded stone aggregate 20mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with fixing clips or with bolts and nuts as required, including providing and fixing of hinges, pivots, float glass panes with glazing clips and special metal sash putty of approved make and a priming coat of approved steel primer, excluding the cost of metal beading and other fittings except necessary hinges or pivots complete as per approved design.	Kg.	50.00	96.30	4815.00
41	10.13	Providing & fixing T-iron frames for doors, windows & ventilators of mild steel T-sections, joints mitred and welded with 15x3 mm lugs, 10 cm long, embedded in cement concrete blocks 15x10x10 cm of 1:3:6 (1 cement: 3 coarse sand: 6 graded stone aggr. 20 mm nominal size) or with wooden plugs & screws or rawl plugs and screws or with dash fasteners or with fixing clips or with bolts and nuts as required, including fixing of necessary butt hinges & screws and applying a priming coat of approved steel primer.	Kg.	50.00	73.30	3665.00

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
42	10.14	Providing and fixing pressed steel door frames conforming to IS:4351 manufactured from commercial mild steel sheet of 1.25 mm thickness including hinges, jamb, lock jamb, bead and if required angle threshold of mild steel angle of section 50x 25 mm, or base ties of 1.25 mm pressed mild steel welded or rigidly fixed together by mechanical means, adjustable lugs with split end tail to each jamb including steel butt hinges 2.5 mm thick with mortar guards, lock strike-plate and shock absorbers as specified and applying a coat of approved steel primer after pre-treatment of the surface as directed by the Engineer-in-charge.				
a)	10.14.1	Profile B				
i)	10.14.1.1	Fixing with adjustable lugs with split end tail to each jamb	Mtr	160.00	346.75	55480.00
b)	10.14.2	Profile C				
i)	10.14.2.2	Fixing with adjustable lugs with split end tail to each jamb	Mtr	250.00	370.00	92500.00
43	10.25	Steel work welded in built up sections/framed work including cutting hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required				
a)	10.25.2	In gratings, frames, guard bar, ladders, railings, brackets, gates & similar works	Kg.	150.00	77.90	11685.00
44	10.18	Providing and fixing circular/hexagonal cast iron or MS sheet box for ceiling fan clamp of internal dia 140mm, 73mm height, top lid of 1.5mm thick M.S. sheet with its top surface hacked for proper bonding, top lid shall be screwed into the cast iron/ MS box by means of 3.3mm dia round headed screws, one lock at the corners. Clamps shall be made of 12mm dia M.S. bar bent to shape as per standard drawing.	Each	60.00	117.45	7047.00
a)	10.26	Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing & staircase railing including applying a priming coat of approved steel primer.				
i)	10.26.1	MS tube	Kg.	100.00	86.45	8645.00

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
45	10.28	Providing and fixing stainless steel (grade 304)railing made of Hollow tubes , channels , plates etc , including welding grinding , buffing ,polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete ,/c fixing the railing with necessary accessories &stainless steel dash fasteners ,stainless steels bolts etc ,of required size ,on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineers -in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accesories such as nuts ,bolts, fasteners etc	Kg	600.00	558.00	334800.00
TOTAL CARRIED OVER TO SUMMARY						523995.05
FLOORING WORK						
46	11.4	52 mm thick cement concrete flooring with concrete hardener topping under layer 40 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand: 4 graded stone aggregate 20 nominal size) and top layer 12 mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix: 2 stone aggregate 6 mm nominal size) by volume hardening compound is mixed @ 2 Ltrs per 50 kg. of cement or as per manufacturer specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete	Sqm	25.00	420.50	10512.50
47	11.6	Cement plaster skirting (upto 30 cm height) with cement mortar 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement.				
a)	11.6.1	18 mm thick	Sqm.	50.00	258.20	12910.00
48	11.13	Providing & fixing glass strips in joints of terrazo/cement concrete floors.				
a)	11.13.1	40 mm wide and 4 mm thick	Mtr.	10.00	29.40	294.00
49	11.16	Precast terrazo tiles 22 mm thick with graded marble chips of size upto 12 mm laid in floors, and landings, jointed with neat cement slurry mixed with pigment to match the shade of the tiles including rubbing and polishing complete with precast tiles on 20 mm thick bed of cement mortar 1:4 (1 cewment: 4 coarse sand)				
a)	11.16.1	Light shade using white cement	Sqm	100.00	769.35	76935.00

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
50	11.23	Marble stone flooring with 18 mm thick marble stone (sample of marble shall be approved by Engineer-In-Charge) over 20mm (average) thick base of 1:4 (1 cement: 4 coarse sand) laid and jointed with grey cement slurry including rubbing and polishing complete with:				
a)	11.23.2	Raj nagar plain	Sqm	140.00	1265.35	177149.00
b)	11.23.5	Udaipur green marble	Sqm	50.00	1418.95	70947.50
51	11.25	Extra for marble stone flooring in treads of steps and risers using single length upto 2mtr..	Sqm	40.00	230.55	9222.00
52	11.26	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete with base of cement mortar 1:4 (1 cement: 4 coarse sand)				
a)	11.26.1	25 mm thick	Sqm	680.00	945.70	643076.00
53	11.27	Kota stone slab 25 mm thick in risers of steps, skirting dado and pillars laid on 12 mm(average) thick cement mortar 1:3 (1 cement : 3 coarse sand) & jointed with grey cement slurry mixed with pigment to match the shade of the slabs including rubbing and polishing complete.	Sqm	105.00	954.10	100180.50
54	11.36	Providing & fixing 1st quality ceramic glazed wall tiles conforming to IS:15622 (thickness to be specified by the manufacturer) of approved make in all colours, shades except Burgundy, bottle green, black of any size as approved by Engineer-in-charge in skirting, risers of steps & dados over 12 mm thick bed of cement mortar 1:3 (1 cement :3 coarse sand) and jointing with grey cement slurry @3.3 Kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	Sqm	170.00	724.25	123122.50
55	11.39	Providing & laying rectified glazed ceramics floor tiles 300x300mm or more (thickness to be specified by the manufacturer) of 1st quality conforming to IS:15622 of approved make in colours White, Ivory, Grey, Fume, Red Brown, laid on 20 mm thick cement mortar 1:4 (1 cement :4 coarse sand) including grouting the joints with white cement and matching pigments etc. complete.	Sqm	90.00	931.50	83835.00

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
56	11.41	Providing & laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorptions less than 0.08% and conforming to IS:15622 of approved make in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement: 4 coarse sand) including grouting the joints with white cement and matching pigments etc. complete.				
a)	11.41.2	Size of tile 60x60cm	Sqm	50.00	1337.10	66855.00
		TOTAL CARRIED OVER TO SUMMARY				1375039.00
		NON-SCHEDULE ITEM:				
57	NS	Providing and laying pioneer tiles including all accessories of approved quality and specification as per drawings and directions of Engineer-In - Charge .	Sqm	300.00	742.07	222620.69
		TOTAL CARRIED OVER TO SUMMARY				222620.69
		ROOFING WORK				
58	12.21	Providing gola 75x75mm in cement concrete 1:2:4 (1 cement: 2 coarse sand: 4 stone aggregate 10mm and down gauge) including finishing with cement mortar 1:3 (1 cement: 3 fine sand) as per standard design:				
a)	12.21.1	In 75x75mm deep chase	Mtr.	150.00	109.05	16357.50
59	12.22	Making khuras 45x45cm with average minmum thickness of 5cm cement concrete 1:2:4 (1 cement :2 coarse sand: 4 graded stone aggregate of 20 mm nominal size) over PVC sheet 1m x 1m x 400micron, finished with 12mm cement plaster 1:3 (1cement: 3 coarse sand) and a coat of neat cement rounding of the edges and making and finishing the outlet complete.	Each	15.00	148.75	2231.25
60	12.38	Providing and fixing MS holder bat clamps of approved design to C.I. or S.C.I. rain water pipes embedded in and including cement concrete blocks 10 x 10 x 10 cm of 1:2:4 mix (1 cement:2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and cost of cutting holes and making good the walls etc.				
a)	12.38.2	For 150 mm dia pipe	Each	36.00	121.80	4384.80
61	12.39	Providing lead caulked joints to sand cast iron rain water pipes and fittings:				

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
a)	12.39.2	For 150 mm dia pipe	Each	36.00	287.10	10335.60
62	12.40	Providing and fixing on wall face unplasticised-Rigid PVC rain water pipes conforming to IS:13592 Type A including jointing with seal ring conforming to IS:5382 leaving to 10mm gap for thermal expansion. (i) Single socketed pipes:				
a)	12.40.1.1	150mm diameter	Mtrs	90.00	407.85	36706.50
63	12.42	Providing and fixing on wall face unplasticised- PVC moulded fittings/accessories for unplasticised-Rigid PVC rain water pipes conforming to IS:13592 Type A including jointing with seal ring conforming to IS:5382 leaving to 10mm gap for thermal expansion.				
a)	12.42.1	Coupler				
i)	12.42.1.2	110mm	Each	12.00	130.25	1563.00
b)	12.42.5	Bend 87.5"				
i)	12.42.5.2	110mm bend	Each	12.00	156.95	1883.40
c)	12.42.6	Shoe (plain)				
i)	12.42.6.2	110mm shoe	Each	12.00	287.05	3444.60
64	12.43	Providing and fixing unplasticised- PVC pipe clips of approved design to unplasticised-PVC rain water pipes by means of 50x50x50mm hard wood plugs, screwed with MS screws of required length including cutting brick work and fixing in cement mortar 1:4 (1 cement:4 coarse sand) and making good the walls etc. complete.				
a)	12.43.2	110mm	Each	12.00	144.60	1735.20
65	12.44	Providing & fixing to the inlet mouth of rain water pipe cast iron grating 15cm diameter and weighing not less than 440 gms.	Each	12.00	32.75	393.00

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
66	12.45	Providing and fixing at all height false ceiling including providing and fixing of frame work made of special sections power pressed from MS sheet and galvanised in accordance with zinc coating of grade 350 as per IS:277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 22 mm and 37 mm at 1200 mm centre to centre one flange fixed to the ceiling with dash fastner 12.5 mm dia x 40 mm long with 6 mm dia bolts to the angle hangers of 25x25x0.55 mm of required length and other end of angle hanger being fixed with nut and bolts to GI channels 45 mm x 15 mm x 0.9 mm running at the rate of 1200 mm centre to centre to which the ceiling section 0.5 mm thick bottom wedge of 80mm with tapered flanges of 26mm each having clips of 10.5mm at 450mm centre to centre shall be fixed in a direction perpendicular to GI channel with connecting clips made out of 2.64mm dia x 230mm long GI wire at every junction including fixing the gypsum board with ceiling section and perimeter channels				
		0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre to centre with 25 mm long drive all screws @ 230 mm interval including jointing and fixing to a flush finish of tapered and square edges of the gypsum board with recommended filler, paper tapes, manufacturers specification and also including the coat of making openings for light fittings, grills diffusers, cutouts made with frame of perimeter channels suitably fix all complete as per drawing and specification and direction of the Engineer-in-Charge but excluding the cost of painting with:				
a)	12.45.1	12.5 mm thick tapered edge gypsum baord conforming to IS:2095- Part-I.	Sqm	157.00	691.40	108549.80
		TOTAL CARRIED OVER TO SUMMARY				187584.65
		FINISHING:				
67	13.4	12mm cement plaster of mix :				
a)	13.4.2	1:6 (1 cement : 6 coarse sand)	Sqm	3000.00	112.50	337500.00
68	13.7	12mm cement plaster finished with a floating coat of neat cement of mix :				
a)	13.7.1	1:4 (1 cement : 4 fine sand)	Sqm	60.00	107.80	6468.00

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
69	13.12	18 mm cement plaster in two coats under layer 12mm thick cement plaster 1:5 (1 cement : 5 coarse sand) and a top layer 6mm thick cement plaster 1:3 (1 cement: 3 coarse sand) finished rough with sponge.	Sqm	400.00	123.50	49400.00
70	13.5	15mm cement plaster on rough side of single or half brick wall of mix:				
a)	13.5.2	1:6 (1 cement : 6 Coarse sand)	Sqm	3000.00	130.20	390600.00
71	13.16	6 mm cement plaster to ceiling of mix :				
a)	13.16.1	1:3 (1 cement : 3 fine sand)	Sqm.	1050.00	101.00	106050.00
72	13.23	Extra for plastering on circular work not exceeding 6m in radius:				
a)	13.23.1	In one coat	Sqm.	100.00	13.65	1365.00
73	13.26	Providing and applying plaster of paris putty of 2mm thickness over plastered surface to prepare the surface even and smooth complete.	Sqm.	4050.00	83.80	339390.00
74	13.37	White washing with lime to give an even shade				
a)	13.37.1	New work (three or more coats)	Sqm.	150.00	11.75	1762.50
75	13.41	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade.				
a)	13.41.1	New work (two or more coats) over and including priming coat with cement primer	Sqm	1400.00	66.70	93380.00
76	13.47	Finishing walls with Premium Acrylic Smooth exterior paint with "Silicone additives of required shade				
a)	13.47.1	New work (two or more coats applied @1.43 ltr/10 sqm over and including base coat of water proofing cement paint applied @2.20kg/10sqm)	Sqm	2305.00	80.45	185437.25
77	13.60	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade :				
a)	13.60.1	Two or more coats on new work	Sqm	1500.00	60.25	90375.00
78	13.45	Finishing walls with textured exterior paint of required shade				
a)	13.45.1	New work (two or more coats applied @ 3.28 Ltr/ 10 Sqm) over and including base coat of water proofing cement paint applied @ 2.20 Kg./ 10 Sgm.	Sqm	500.00	117.70	58850.00

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
79	13.50	Applying priming coat:				
a)	13.50.1	With ready mixed pink or grey primer of approved brand and manufacturer on wood work (hard & soft wood)	sqm	450.00	25.85	11632.50
80	13.58	Providing and applying two coats of Fire retardent paint unthunned on cleaned wood/ply surface @ 3.5 sqm per litre per coat including preparation of base surface asper recommendation of manufacture to <u>make the surface fire retardent.</u>	Sqm	30.00	267.15	8014.50
a)	13.61	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :				
b)	13.61.1	Two or more coats on new work	Sqm	500.00	53.85	26925.00
81	13.76	Forming groove of uniform size from 12x12mm and 25x15mm in plastered surface as per approved pattern using wooden battens, nailed to the under layer including removal of wooden battens, repair to the edges of panel and finishing the groove complete as per specifications and direction of the Engineer-In-Charge.	Mtr.	200.00	72.15	14430.00
		TOTAL CARRIED OVER TO SUMMARY				1721579.75
		ALUMINIUM WORK:				
82	21.1	Providing & fixing aluminium work for doors, windows, ventilators & partitions with extruded built up standard tubular sections/ appropriate Z-sections and other sections of approved make conforming to IS: 733 & IS:1285, fixed with rawl plugs and screws or with fixing clips, or with expansion hold fastners including necessary filling up of gaps at junctions, at top bottom and sides with required of PVC/neoprene felt etc. Aluminium sections shall be smooth, rust free, straight, mitred & jointed mechanically wherever required including cleat angle, aluminium snap beading for glazing/panelling C.P. brass/ Stainless Steel screws, all complete as per architectural drawings & the directions of Engineer-In-Charge. (Glazing and panelling to be paid for separately).				
a)	21.1.1	For fixed portion				
i)	21.1.1.1	Anodized aluminium (anodized transparent or dyed to required shade according to IS:1868, Minimum anodic coating of grade AC 15).	Kg.	1700.00	358.30	609110.00

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
b)	21.1.2	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of PVC/ neoprene gasket required. (Fittings shall be paid for separately)				
i)	21.1.2.1	Anodized aluminium (anodized transparent or dyed to required shade according to IS:1868, Minimum anodic coating of grade AC 15).	Kg.	1650.00	406.50	670725.00
83	21.4	Providing & fixing double action hydraulic floor spring of approved brand and manufacture IS:6315 marked, for doors including cost of cutting floors as required, embedding in floors and cover plates with brass pivot and single piece MS sheet outer box with slide plate etc. complete as per the direction of Engineer-In-charge.				
a)	21.4.1	With stainless steel cover plate	Each	1.00	1953.10	1953.10
84	21.13	Providing & fixing 100mm brass locks (best make of approved quality) for aluminium doors including necessary cutting and making good etc. complete.	Each	1.00	356.10	356.10
85	21.15	Providing & fixing aluminium casement window fastener of required length for aluminium windows with necessary screws etc. complete.				
a)	21.15.1	Anodized(AC15) aluminium.	Each	30.00	50.50	1515.00
86	21.16	Providing & fixing aluminium round shape handle of outer dia 100mm with SS screws etc. complete as per direction of Engineer-incharge.				
a)	21.16.1	Anodized(AC15) aluminium.	Each	30.00	60.95	1828.50
87	21.3	Providing and fixing glazing in aluminium doors, windows, ventilator shutters & partitions etc. with PVC/ neoprene gasket etc. complete as per architectural drawings and the directions of Engineer-In -Chage (Cost of aluminium snap beading shall be paid in basic item).				
a)	21.3.2	With float glass panes of 5.5 mm thickness	Sqm	170.00	905.75	153977.50
		TOTAL CARRIED OVER TO SUMMARY				1439465.20
		NON-SCHEDULE ITEM:				
88	NS	Providing and fixing glazing in aluminium doors, windows, ventilator shutters & partitions etc. with PVC/ neoprene gasket etc. complete as per architectural drawings and the directions of Engineer-In -Chage (Cost of aluminium snap beading shall be paid in basic item).				
		With 10mm thickness Texture toughened glass	Sqm	8.00	1448.28	11586.21
		TOTAL CARRIED OVER TO SUMMARY				11586.21

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
WATER PROOFING:						
89	22.5	Providing and laying water proofing treatment in sunken portion of WCs, bathrooms etc. by applying cement slurry mixed with water proofing cement comopund consisting of applying: a) First layer of slurry of cement @ 0.488 kg./Sqm mixed with water proofing cement comound @ 0.253 kg./Sqm. This layer will be allowed to air cure for 4 hours. b) Second layer of slurry of cement @ 0.242 kg./Sqm mixed with water proofing cement comopund @ 0.126 kg./Sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours. The rate includes preparation of surface, treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry.	Sqm	100.00	215.15	21515.00
90	22.7	Providing and laying integral cement based water proofing treatment including preparation of suface as required for treatment of roofs, balconies, terraces condisting of following operations: a) Applying and grouting a slurry coat of neat cement using 2.75 kg./Sqm of cement admixed with water proofing compound conforming to IS:2645 and approved by Engineer-In-Charge over the RCC slab including adjoining walls upto 300mm height including cleaning the surface before treatment. b) Laying brick bats with mortar using broken bricks/brick bats 25mm to 115mm size with 50% of cement mortar 1:5 (1cement : 5 coarse sand) admixed with water proofing cement compound conforming to IS:2645 and approved by Engineer-In-Charge over 20mm thick layer of cement mortar of mix 1:5 (1 cement: 5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by the Engineer-In-Charge to required slope & treating similarly the adjoining walls upto 300 mm height including rounding of junctions of walls and slabs.				

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
		c) After two days of proper curing applying a second coat of cement slurry using 2.75 kg./sqm of cement admixed with water proofing comopound conforming to IS:2645 and approved by the Engineer-In-Charge. d) Finishing the surface with 20mm thick jointless cement mortar of mix 1:4 (1 cement : 4 coarse sand) admixed with water proofing compound conforing to IS:2645 and approved by the Engineer-In-charge including laying glass fibre cloth of approved quality in top layer of plaster and finally finishing the surface with trowel with neat cement slurry and making pattern of 300mmx 300mm square. e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test. All above operations to be done in order and as directed and specified by the Engineer-In-Charge.				
a)	22.7.1	With average thickness of 120mm and minimum thickness at khurra as 65mm.	Sqm	700.00	786.70	550690.00
		TOTAL CARRIED OVER TO SUMMARY				572205.00
		MISCELLANEOS ITEMS				
		NON SCHEDULE ITEMS				
91	NS	providing & fixing SS plates with words in eitching black/any colour as per detail,on SS plate 1mm thick crome plated				
a		SS plate for specific rooms-size 12"x8"	Each	30.00	1092.41	32772.41
b		SS plate for toilet-size 12"x6"	Each	4.00	819.31	3277.24
c		SS plate for floor number-size 8"x8"	Each	4.00	728.28	2913.10
d		SS plate for pull/push-size 2"x6"	Each	4.00	136.55	546.21
92	NS	providing & fixing signage 3mm thick acrylic sheet with Radium printing, with mat/gloss laminationSS plates with words in eitching black/any colour as per detail,on SS plate 1mm thick crome plated				
a		EXIT plate- size 12"x6"	Each	4.00	819.31	3277.24
b		Emargency plate - size 12"x6"	Each	2.00	819.31	1638.62
c		NO SMOKING plate - size 12"x6"	Each	4.00	813.79	3255.17
		TOTAL CARRIED OVER TO SUMMARY				47680.00

ABSTRACT OF COST FOR BOYS HOSTLE			
SL.NO.	DESCRIPTION	AMOUNT AS PER	MARKET
		DSR'2012	
1	SANITARY FIXTURES	111388.10	
2	SOIL, WASTE VENT PIPE	323621.60	
3	WATER SUPPLY (INTERNAL)	230232.00	213534.48
4	DRAINAGE(SEWERAGE)	142767.00	
5	EARTH WORK	29417.00	
	Total	837425.70	213534.48

NAME OF THE PROJECT :CONSTN. BOYS HOSTLE NEELIT						
NAME OF WORK: DETAILED COST ESTIMATE OF INTERNAL PLUMBING WORKS						
SL. NO.	DSR 2012	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
A	SANITARY FIXTURE:					
1	17.1	Providing and fixing water closet squatting pan (Indian type WC pan) with 100mm sand cast iron P or S trap, 10 litres low level white PVC flushing cistern with manually controlled device (Handle lever) conforming to IS:7231 with all fittings & fixtures completes,including cutting and making good the walls and floors wherever required :				
a)	17.1.1	White Vitreous china Orissa pattern WC pan of size 580 x 440mm with integral type foot rest.	Each	1	2964.10	2964.10
2	17.3	Providing and fixing white vitreous china pedestal type water closet (European type) with seat & lid with CP brass hinges & rubber buffers, 10 ltr low level white viterous china flushing cistern & C.P. flush bend with fittings and C.I. brackets, 40mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete including painting of fittings and brackets, cutting & making good the walls and floors wherever required.				
a)	17.3.1	WC Pan with ISI marked white solid plastic seat and lid	Each	8	4220.8	33766.40
3	17.4	Providing and fixing white vitreous chine flat back or wall corner type lipped front urinal basin 430x260x350mm and 340x 410x265mm size respectively with automatic flushing cistern with standard flush pipe and CP brass spereaders with brass unions and GI clamps complete including painting of fittings brackets, cutting & making good the walls and floors wherever required.				
a)	17.4.1	Range of one urinal basins with 5 ltrs. White PVC automatic flushing cistern	Each	12.00	2884.40	34613.00

4	17.7	Providing and fixing wash basin with CI brackets, 15mm CP brass pillar taps, 32mm CP brass waste of standard pattern, including painting of fittings and brackets cutting & making good the walls, wherever required.				
	17.7.1	White vitrious china wash basin size 630 x 450mm with a pair of 15mm C.P. brass pillar taps	Each	12.00	1848.35	22180.00
5	17.10	Providing and fixing stainless steel A ISI: 304 (18/8) kitchen sink as per IS:13983 with CI brackets and stainless steel plug 40mm including painting of fittings & brackets, cutting and making good the walls wherever required.				
	17.10.1	Kitchen sink with drain board				
	17.10.1.1	Size 510x1040mm bowl depth 250mm	Each	1	6743.55	6743.55
6	17.28	Providing & fixing PVC waste pipe for sink or wash basin including PVC waste fittings complete				
	17.28.1	Semi rigid pipe				
	17.28.1.1	32mm dia	Each	13.00	59.50	773.50
7	17.31	Providing and fixing 600 x 450mm bevelled edge mirror of superior glass (of approved quality) complete with 6mm thick hard board ground fixed to wooden cleats with CP brass screws and washers complete	Each	12.00	674.05	8089.00
8	17.34	Providing and fixing toilet paper holder				
	17.34.1	C.P brass	Each	9.00	250.95	2258.55
		TOTAL FOR SCHEDULE TIEMS(SANITARY FIXTURE)				111388.10
(B)	SOIL WASTE VENT PIPES AND FITTINGS:					
9	17.35	Providing and fixing soil, waste vent pipes				
a)	17.35.1	100mm dia				

	17.35.1.2	Centrifugally cast (spun) iron socketed pipe as per IS:3989.S&S pipe	Mtr	100.00	857.30	85730.00
b)	17.35.2	75mm dia				
	17.35.2.2	Centrifugally cast (spun) iron socketed pipe as per IS:3989.	Mtr	90.00	744.50	67005.00
10	17.37	Providing and fixing MS holder-bat clamps of approved design to Sand Cast iron/cast iron (spun) pipe embedded in and including cement concrete blocks 10x10x10 cm of 1:2:4 mix (1 cement: 2 coarse sand : 4 graded stone aggregate 20mm nominal size) including cost of cutting holes and making good the walls etc.				
	17.37.1	For 100mm dia pipe	Each	42	112.50	4688.00
	17.37.2	For 75mm dia pipe	Each	38	110.15	4131.00
11	17.38	Providing and fixing bend of required degree with access door insertion rubber washer 3mm thick bolts and nuts complete				
a)	17.38.1	100mm				
	17.38.1.2	Sand Cast iron S&S as per IS-3989	Each	8.00	353.25	2826.00
b)	17.38.2	75mm				
	17.38.2.2	Sand Cast iron S&S as per IS-3989	Each	4.00	281.15	1125.00
12	17.39	Providing and fixing plain bend of required degree				
a)	17.39.1	100mm				
	17.39.1.2	Sand Cast iron S&S as per IS-3989	Each	25.00	296.35	7409.00
b)	17.39.2	75mm				
	17.39.2.2	Sand Cast iron S&S as per IS-3989	Each	35.00	221.95	7768.00
13	17.40	Providing and fixing heal rest sanitary bend				
a)	17.40.1	100mm				
	17.40.1.2	Sand Cast iron S&S as per IS-3989	Each	8.00	342.80	2742.00
b)	17.40.2	75mm				
	17.40.2.2	Sand Cast iron S&S as per IS-3989	Each	8.00	297.45	2380.00

14	17.43	Providing and fixing single equal plain junction of required degree with access door, insertion rubber washer 3mm thick, bolts and nuts complete.				
a)	17.43.1	100x100x100mm				
	17.43.1.2	Sand Cast iron S&S as per IS-3989	Each	4.00	579.45	2318.00
b)	17.43.2	75x75x75mm				
	17.43.2.2	Sand Cast iron S&S as per IS-3989	Each	4.00	438.00	1752.00
15	17.44	Providing and fixing single equal plain junction of required degree:				
	17.44.1	100x100x100mm				
	17.44.1.2	Sand Cast iron S&S as per IS-3989	Each	1	522.85	522.85
	17.44.2	75x75x75mm				
	17.44.2.2	Sand Cast iron S&S as per IS-3989	Each	1	378.75	378.75
16	17.47	Providing and fixing single unequal junction of required degree with access door, insertion rubber washer 3mm thick, bolts and nuts complete				
a)	17.47.1	a) 100mm x100mm x 75mm				
	17.47.1.2	Sand Cast iron S&S as per IS-3989	Each	4.00	771.40	3086.00
17	17.56	Providing and fixing terminal guard				
a)	17.56.1	100mm				
	17.56.1.2	Sand Cast iron S&S as per IS-3989	Each	8.00	244.10	1953.00
b)	17.56.2	75mm				
	17.56.2.2	Sand Cast iron S&S as per IS-3989	Each	8.00	221.95	1776.00
18	17.57	Providing and fixing collars				
a)	17.57.1	100mm				

	17.57.1.2	Sand Cast iron S&S as per IS-3989	Each	71	238.25	17018.00
b)	17.57.2	75mm				
	17.57.2.2	Sand Cast iron S&S as per IS-3989	Each	64	169.25	10880.00
19	17.58	Providing lead caulked joints to sand cast iron/centrifugally cast (spun) iron pipes & fittings of dia				
a)	17.58.1	a) 100mm	Each	155	207.85	32187.00
b)	17.58.2	b) 75mm	Each	141	176.50	24811.00
20	17.60	Providing and fixing trap of self cleaning design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors.				
a)	17.60.2	a) 100mm inlet and 75mm outlet				
	17.60.2.1	Sand Cast iron S&S as per IS-3989	Each	35.00	838.85	29360.00
21	17.61	Cutting chases in brick masonry walls for following diameter sand cast iron/centrifugally cast (spun) iron pipes and making good the same with cement concrete 1:3:6 (1 cement: 3 coarse sand: 6 graded stone aggregate 12.5mm nominal size) including necessary plaster and painting in cement mortar 1:4 (1 cement: 4 coarse sand).				
a)	17.61.1	a) 100mm dia	Mtr.	16.00	252.10	4034.00
b)	17.61.2	b) 75mm dia	Mtr.	16.00	180.40	2886.00
22	17.65	Painting sand cast iron/centrifugally cast (spun) iron soil, waste vent pipes and fittings with paint of any colour such as chocolate grey or buff etc. over a coat of primer (of approved quality) for new work.				
a)	17.65.1	a) 100mm dia meter pipe	Mtr	100.00	28.75	2875.00
b)	17.65.2	b) 75mm dia meter pipe	Mtr	90.00	22.00	1980.00
TOTAL FOR SCHEDULE ITEMS(SOIL WASTE VENT PIPES & FITTINGS)						323621.60

C)		WATER SUPPLY				
		SCHEDULE ITEMS				
23	18.1	Providing & fixing Polyethene Aluminim Polyethene (PE-AL-PE) composite pressure pipes conforming to IS-15450 U.V. stabilized with carbon black having thermal stability for hot & cold water supply, capable to withstand temperature upto 80 deg. C including all special fittings of composite material (engineering plastic blend and brass inserts wherever required) i.e. elbows, tees, reducers, couplers & connectors etc. with clamps at 1.00 metre spacing. This includetesting of joints complete as per direction of Engineer-in-charge.				
		Internal work -Exposed on wall				
	18.1.3	2025(16mm OD)pipe	Mtr	15	277.95	4169.25
	18.1.4	2532(16mm OD)pipe	Mtr	15	362.85	5442.75
	18.1.5	3240(16mm OD)pipe	Mtr	15	559.65	8394.75
	18.1.6	4050 (16mm OD)pipe	Mtr	15	597.40	8961.00
24	18.2	Providing & fixing Polyethene Aluminim Polyethene (PE-AL-PE) composite pressure pipes conforming to IS-15450 U.V. stabilized with carbon black having thermal stability for hot & cold water supply, capable to withstand temperature upto 80 deg. C including all special fittings of composite material (engineering plastic blend and brass inserts wherever required) i.e. elbows, tees, reducers, couplers & connectors etc. with clamps at 1.00 metre spacing. This includes the costs of cutting chases and including testing of joints complete as per direction of Engineer-in-charge.				

		Concealed installation including cutting chases and making good the walls etc. complete				
	18.2.1	1216 (16mm OD) pipe	Mtr	80	297.95	23836.00
	18.2.2	1620 (20mm OD) pipe	Mtr	80	340.60	27248.00
25	18.3	Providing & fixing Polyethene Aluminim Polyethene (PE-AL-PE) composite pressure pipes conforming to IS-15450-2004 U.V. stabilized with carbon black having thermal stability for hot & cold water supply, capable to withstand temperature upto 80 deg. C including all special fittings of composite material (engineering plastic blend and brass inserts wherever required) i.e. elbows, tees, reducers, couplers & connectors etc. with trenching,refilling and testing of joints complete as per direction of Engineer-in-charge.				
		External work				
	18.3.5	3240 (32mm OD) Pipe	Mtr	15	521.00	7815.00
	18.3.6	4050 (50 MM OD) Pipe	Mtr	20	558.75	11175.00
26	18.13	Making connection of GI distribution branch with GI main of following sizes by providing & fixing tee, including cutting and threading the pipe etc. complete.				
	18.13.2	50-80 mm nominal bore	Each	1	630.15	630.15
27	18.17	Providing and fixing gun metal gate valve with CI wheel of approved quality (screwed end).				
	18.17.1	25mm nominal bore	Each	6	372.95	2237.70
	18.17.2	32mm nominal bore	Each	2	450.90	901.80
	18.17.3	40mm nominal bore	Each	2	546.05	1092.10
	18.17.4	50mm nominal bore	Each	2	780.60	1561.20
28	18.18	Providing and fixing ball valve (brass) of approved quality. High or low pressure, with plastic floats complete.				
	18.18.1	15mm nominal bore	Each	4	258.05	1032.20

29	18.19	Providing and fixing gun metal non-return valve of approved quality (screwed end).				
	18.19.1	25mm nominal bore				
	18.19.1.1	Horizontal	Each	1	383.45	383.45
	18.19.2	32mm nominal bore				
	18.19.2.1	Horizontal	Each	1	490.25	490.25
	18.19.3	40mm nominal bore				
	18.19.2.2	Horizontal	Each	1	620.25	620.25
	18.19.4	50mm nominal bore				
	18.19.2.3	Horizontal	Each	2	936.35	1872.70
30	18.22	Providing and fixing C.P brass Shower rose with 15 or 20 mm inlet				
	18.22.1	100 mm diameter	Each	10	58.15	581.50
31	18.27	Providing & laying S&S centrifugally cast (spun) iron pipes (Class LA) conforming to IS-1536				
	18.27.3	100mm dia pipe	Mtrs	60.00	1476.70	88602.00
32	18.49	Providing & fixing CP brass bib cock of approved quality conforming IS 8931:				
	18.49.1	15mm nominal bore	Each	31.00	397.50	12323.00
33	18.52	Providing and fixing CP brass stop cock (concealed) of standard design and approved make conforming to IS: 8931.				
a)	18.52.1	15mm nominal bore	Each	31.00	426.55	13223.00
34	18.53	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved make conforming to IS 8931				
		15mm nominal bore	Each	17.00	449.35	7638.95

		TOTAL FOR SCHEDULE ITEMS (WATER SUPPLY)				230232.00
		NON-SCHEDULE ITEMS :(WATER SUPPLY)				
35	NS	Providing and fixing CI cover with frame for RCC UGT / OHT				
a)		a) 560 mm dia internal dia DI cover with frame (Heavy duty total weight of the cover not less than 60 Kg)	Each	2.00	3448.28	6896.55
36	NS	Providing and fixing monoblock centrifugal pumping set with gun metal impeller with totally enclosed fan colled squirrel cage induction motor capable of discharging 50 LPM against 35m head complete with flow and pressure dial guage, base plate priming arrangement, with wiring, panel & equipments for water level controller to start / stop the pump automatically with protection for dry run etc. complete in all respects.	Each	2.00	24137.93	48275.86
37	NS	Supplying instalation testing and commisioning of RO/Water Cooler				
	a)	Water Cooler	Each	1.00	21724.14	21724.14
	b)	RO	Each	1.00	19396.55	19396.55
38	NS	Providing and placing on terrace (at all floor levels) polyethylene water storage tank IS:12701 marked with cover & suitable locking arrangement and making necessary holes for inlet, outlet & overflow pipes but without fittings and the base support for tank.	Litre	5000	9.655172414	48275.86207
39	NS	Supplying instalation testing and commisioning of 35 ltr Geysers.(Usha/Recold/Inhalsa/bajaj)	Litre	5	13793.10	68965.51724
		TOTAL FOR NON-SCHEDULE ITEMS :(WATER SUPPLY)				213534.48

	D)	SEWERAGE (INTERNAL):				
40	19.1	Providing, laying & jointing glazed stoneware pipes grade 'A' with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete				
a)	19.1.1	100 mm diameter	Mtr	20.00	150.10	3002.00
41	19.2	Providing and laying cement concrete 1:5:10 (1 cement: 5 coarse sand : 10 graded stone aggregate 40mm nominal size) around SW pipes including bed concrete as per standard design.				
a)	19.2.1	100 mm dia RCC pipe	Mtr	20.00	496.90	9938.00
42	19.3	Providing and laying cement concrete 1:5:10 (1 cement: 5 coarse sand : 10 graded stone aggregate 40mm nominal size) upto haunches of SW pipes including bed concrete as per standard design.				
	19.3.2	150mm diameter SW pipe	Mtr	20.00	382.75	7655.00
43	19.4	Providing and fixing square - mouth SW gully trap grade 'A' complete with CI grating brick masonry chamber with water tight CI Cover with frame of 300x300mm size (inside) the weight of cover to be not less than 4.50 Kg. and frame to be not less than 2.70 Kg as per standard design.				
a)	19.4.1	100x100mm size 'P' type				
	19.4.1.1	With FPS bricks class designation 75.	Each	10.00	1256.35	12564.00
44	19.6	Providing and laying non-pressure NP2 class (light duty) RCC pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of the joints etc. complete.				
a)	19.6.2	150 mm dia RCC pipe	Mtr	100.00	254.50	25450.00

45	19.7	Constructing brick masonry manhole in cement mortar 1:4 (1 cement: 4 coarse sand) RCC top slab with 1:2:4 mix (1 cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 (1 cement: 4 coarse sand: 8 graded stone aggregate 40 mm nominal size) inside plastering 12 mm thick with cement mortar 1:3 (1 cement: 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregated 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design.				
a)	19.7.1	Inside size 90 x 80 cm and 60 cm deep including CI cover with frame (light duty) 455 x 610 mm internal dimensions total weight of cover and frame to be not less than 38 kg) (weight of the cover 23 kg and weight of frame 15 kg).				
	19.7.1.1	With FPS bricks with class designation 75	Each	10.00	7132.00	71320.00
46	19.16	Providing orange colour safety foot rest of minimum 6 mm thick plastic encapsulated as per IS:10910 on 12mm dia steel bar conforming to IS:1786 having minimum cross section as 23mm x 25mm and over all minimum length 263 mm and width as 165mm with minimum 112mm space between protruded legs having 2mm tread on top surface by ribbing or chequering besides necessary & adequate anchoring projections on tail length on 138mm as per standard drawing and suitable to with stand the bend test and chemical resistance test as per specifications and having manufacture's permanent identification mark to be visible even after fixing, including fixing in manholes with 30x20x15cm cement concrete block 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size) complete as per design.	Each	50.00	256.75	12838.00
		TOTAL FOR SCHEDULE ITEMS				142767.00

	E)	EARTH WORK(INTERNAL PLUMBING WORK)				
		SCHEDULE ITEMS				
47	2.6	Earth work in excation over areas (exceeding 30cm in depth, 1.5 in width as well as 10 sq.mt in plan) including disposal of excavated earth lead upto 50m and lift upto 1.5 m disposed earth to be levelled and neatly dressed.				
a)	2.6.1	All kind of soil	Cum	120.00	129.35	15522.00
48	2.10	Excavating trenches of required width for pipes, cables, etc. including excavation for sockets and refessing of sides, ramming of bottom depth upto 1.5m including getting out the excavated soil, and then returning the soil as required in layers not exceeding 20mm in depth including consolidating earth deposited layer by ramming, watering etc. and disposing of surplus excavated soil as directed within a lead of 50m.				
a)	2.10.1	All kinds of soil				
	2.10.1.2	Pipes, cables etc. exceeding 80mm dia but not exceeding 300mm dia	Mtr	50.00	165.60	8280.00
49	2.25	Filling available excavted earth (excluding rock) in trenches, plinth sides of foundations etc. in layet not exceeding 20 cm in depth consolidation earth deposited layer by ramming and watering lead upto 50m and lift upto 1.5m.	cum	67.00	83.80	5615.00
		TOTAL FOR EARTH WORK				29417.00

**NATIONAL BUILDINGS CONSTRUCTION CORPORATION LIMITED
COUNSULTANCY DIVISION**

**NAME OF PROJECT :CONSTRUCTION WORK OF NEILET, AGARTALA
NAME OF WORK : PROVIDING INTERNAL ELECTRICAL INSTALLATIONS IN BOYS HOSTEL AT NEILET, AGARTALA**

S.NO.	DSR NO.	DESCRIPTION	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
(A):	SCHEDULE ITEMS					
1	1.10	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FR PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FR PVC insulated copper conductor single core cable etc as required.				
a)	1.10.3	Group C	Point	299	664.00	198536.00
2	1.11	Wiring for twin control light point with 1.5 sq.mm FR PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, 2 way modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FR PVC insulated copper conductor single core cable etc as required.	Point	8	710.00	5680.00
3	1.12	Wiring for light/power plug with 2x4 Sq.mm FR PVC insulated, copper conductor, single core cable in surface/recessed PVC conduit alongwith 1 No. 4 Sq.mm FR PVC insulated copper conductor single core cable for loop earthing as required.	Metre	2520	162.00	408240.00
4	1.13	Wiring for light/power plug with 4x4 Sq.mm FR PVC insulated, copper conductor, single core cable in surface/recessed PVC conduit alongwith 2 Nos. 4 Sq.mm FR PVC insulated copper conductor single core cable for loop earthing as required.	Metre	1080	268.00	289440.00
5	1.14	Wiring for circuit/sub main wiring alongwith earth wire with the following sizes of PVC insulated copper conductor, single core cable in surface/recessed PVC conduit as required.				
a)	1.14.1	2x1.5 Sqmm + 1x1.5 Sq.mm (For circuit wiring)	Metre	2000	107.00	214000.00
b)	1.14.4	2x6 Sqmm + 1x6 Sq.mm	Metre	100	206.00	20600.00
b)	1.14.5	2 X 10 sq. mm + 1 X 10 sq. mm earth wire	Metre	200	310.00	62000.00
d)	1.14.9	4x6 Sqmm + 2x6 Sq.mm	Metre	200	358.00	71600.00
e)	1.14.11	4x10 Sqmm + 2x10 Sq.mm	Metre	200	562.00	112400.00
6	1.18	Supplying and drawing following pair 0.5 sq mm FR PVC insulated annealed copper conductor, unarmored telephone cable in the existing surface/ recessed steel/ PVC conduit as required.				
(a)	1.18.3	4 Pair	Metre	100	24.00	2400.00
7	1.21	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.				
a)	1.21.1	20 mm	Metre	90	56.50	5085.00
b)	1.21.2	25 mm	Metre	30	64.50	1935.00

S.NO.	DSR NO.	DESCRIPTION	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
8	1.22	Supplying and fixing metal box of following sizes (nominal size) on surface or in recess with suitable size phenolic laminated sheet cover in front including painting etc. as required.				
a)	1.22.1	75mm x 75mm x 60mm	Each	12	72.00	864.00
9	1.24	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.				
a)	1.24.3	15/16 amp switch	Each	60	109.00	6540.00
b)	1.24.4	3 pin 5/6 amp socket outlet	Each	180	96.00	17280.00
c)	1.24.6	Telephone socket outlet	Each	8	48.50	388.00
d)	1.24.8	Bell push	Each	4	98.50	394.00
10	1.25	Supplying and fixing stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	Each	58	322.00	18676.00
11	1.26	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	Each	15	22.00	330.00
12	1.27	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required.				
a)	1.27.1	1 or 2 Module (75mmX75mm)	Each	24	142.00	3408.00
b)	1.27.3	4 Module (125mmX75mm)	Each	6	173.00	1038.00
c)	1.27.4	6 Module (200mmX75mm)	Each	6	221.00	1326.00
d)	1.27.5	8 Module (125mmX125mm)	Each	60	255.00	15300.00
13	1.32	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.	Each	30	366.00	10980.00
14	1.35	Erection of wall bracket /ceiling fittings of all sizes and shapes containing upto two GLS lamps per fitting, complete with all accessories including connection etc. as required.	Each	149	39.00	5811.00
15	1.41	Installation, testing and commissioning of prewired fluorescent fitting/compact fluorescent fitting of all types, complete with all accessories and tubes etc. directly on ceiling/wall including connection 1.5 Sqmm FR PVC insulated, copper conductor, single core cable and earthing etc. as required.	Each	48	69.50	3336.00
16	1.42	Installation, testing and commissioning of pre-wired, fluorescent fitting / compact fluorescent fitting of all types, complete with all accessories and tube etc., including supplying and fixing ball and socket arrangement, 2 no. down rods of 20 mm dia X 1.6 mm thick steel conduit upto 30 cm length, painting and wiring the down rods and connection with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable and earthing etc. as required.	Each	28	195.00	5460.00
17	1.44	Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable etc. as required.	Each	58	73.50	4263.00
18	1.49	Numbering of ceiling fan/exhaust fan/ fluorescent fittings as required.	Each	146	19.50	2847.00
19	1.50	Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required.				
a)	1.50.1	Upto 450 mm sweep	Each	12	163.00	1956.00

S.NO.	DSR NO.	DESCRIPTION	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
20	1.51	Extra for fixing the louvers/ shutters complete with frame for a exhaust fan of all sizes.	Each	12	68.50	822.00
21	2.2	Providing and fixing following rating and breaking capacity MCCB in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required.				
a)	2.2.1	100 Amp, 16 KA	Each	1	2801.00	2801.00
22	2.3	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)				
a)	2.3.2	2 + 6 way, Single door	Each	2	513.00	1026.00
b)	2.3.4	2 + 12 way, Single door	Each	4	696.00	2784.00
23	2.4	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)				
a)	2.4.4	4 way (4 + 12), Double door	Each	4	1654.00	6616.00
b)	2.4.5	6 way (4 + 18), Double door	Each	4	2047.00	8188.00
24	2.5	Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 volts, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 amps tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCB's (but without MCB's and incomer) as required . (Note : Vertical type MCB TPDB is normally used where 3 phase outlets are required.)				
a)	2.5.1	4 way (4 + 12), Single door	Each	1	2691.00	2691.00
b)	2.5.3	12 way (4 + 36), Single door	Each	1	4761.00	4761.00
25	2.10	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
a)	2.10.1	Single pole	Each	172	141.00	24252.00
b)	2.10.2	Single pole and neutral	Each	6	367.00	2202.00
c)	2.10.5	Triple pole and neutral	Each	6	723.00	4338.00
26	2.11	Supplying & fixing single pole blanking plate in the existing MCB DB complete etc. as required.	Each	8	5.50	44.00
27	2.13	Supplying and fixing following rating, four pole, 415 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
a)	2.13.1	40 amps	Each	1	554.00	554.00
28	2.14	Supplying and fixing of following rating, double pole, (single phase & neutral), 240 Volts, residual current circuit breaker (RCCB), having a sensitivity current upto 300 mA in the existing MCB DB complete with connections, testing and commissioning as required.				
a)	2.14.1	25 Amps	Each	2	1318.00	2636.00
b)	2.14.2	40 Amps.	Each	4	1394.00	5576.00

S.NO.	DSR NO.	DESCRIPTION	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
29	2.15	Supplying and fixing following rating, four pole, (three phase and neutral), 415 volts, residual current circuit breaker (RCCB), having a sensitivity current upto 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
a)	2.15.1	25 Amps	Each	4	1679.00	6716.00
b)	2.15.2	40 Amps.	Each	4	1703.00	6812.00
30	5.2	Earthing with GI earth pipe 4.5 m long, 40mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal / coke and salt as required.	Set	2	3385.00	6770.00
31	5.9	Supplying and laying 25 mm X 5 mm G.I strip at 0.50 metre below ground as strip earth electrode, including connection/ terminating with nut, bolt, spring, washer etc. as required. (Jointing shall be done by overlapping and with 2 sets of G.I nut bolt & spring washer spaced at 50mm)	Metre	5	97.50	488.00
32	5.18	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing along with existing surface/ recessed conduit/ submain wiring/ cable as required.	Metre	19	19.50	371.00
TOTAL FOR SCHEDULE ITEMS						1582561.00
(B) NON-SCHEDULE ITEMS:						
33	NS	Supplying of light fittings complete with all standard accessories as required.				
a)		1x13 W CFL. Fitting Surface mounted as per Decon Product. No 03XA with Lamp or similar specification of other approved makes.	Each	58	964.83	55960.00
b)		2x11 W CFL. Wall Surface mounted as per Bajaj Product. No BSM 211 CFL W2EB with Lamp or similar specification of other approved makes.	Each	3	1035.17	3106.00
c)		1x18 W CFL. Bulk Head Fitting Surface mounted as per LUSTRE Product. No 6217 with Lamp or similar specification of other approved makes.	Each	10	1482.76	14828.00
d)		1x11 W CFL. Wall Surface (Mirror Light) mounted as per LUSTRE Product. No LI-3230 with Lamp or similar specification of other approved makes.	Each	2	1633.10	3266.00
e)		1x25 W CFL. Single Wall Bracket mounted as per Decon Product. No 05ZP with Lamp or similar specification of other approved makes.	Each	61	835.17	50946.00
f)		2x25 W CFL. Double Wall Bracket mounted as per Decon Product. No 29ZP with Lamp or similar specification of other approved makes.	Each	14	1670.34	23385.00
34	NS	Supplying of Ding bell fittings complete with all standard accessories	Each	4	82.76	331.00
35	NS	Supplying of light fittings complete with all standard accessories of the following type as required.				
a)		1x28 W FI. Fitting as per Bajaj Product. No BLPR 128 with lamp or similar specification of other approved makes.	Each	14	1108.97	15525.52
b)		2x36 W FI. Fitting as per Bajaj Product. No BCIR 236 W2EB with lamp or similar specification of other approved makes.	Each	34	932.41	31702.07

S.NO.	DSR NO.	DESCRIPTION	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
c)		1x36 W Fl. Fitting as per Bajaj Product. No BCIR 136 WEB with lamp or similar specification of other approved makes.	Each	28	639.31	17900.69
36	NS	Supplying of approved make ceiling fan of double ball bearing of the following sizes with resistance type regulator and its all accessories suitable for operation on 230V single phase, 50 Hz, AC supply complete as required.				
a)		1400mm sweep (USHA/GEC/ CROMPTON/ BAJAJ/HAVELLS)	Each	58	1406.21	81560.00
37	NS	Supplying of approved make Wall fan of the following sizes and its all accessories suitable for operation on 230V single phase, 50 Hz, AC supply complete as required.				
a)		400mm sweep (USHA/GEC/ CROMPTON/ BAJAJ/HAVELLS)	Each	1	2081.38	2081.00
38	NS	Exhaust Fan of the following sizes and its all accessories suitable for operation on 230V single phase, 50 Hz, AC supply complete as required.				
a)		300 mm sweep (HAVELLS/CROMPTON/ BAJAJ)	Each	7	2026.90	14188.00
b)		380 mm sweep (HAVELLS/CROMPTON/ BAJAJ)	Each	5	2433.79	12169.00
39	NS	Supplying installation, testing commissioning of telephone tag block or similar specification of other approved makes. of the following sizes				
a)		10 Pair	Each	1	623.45	623.00
40	NS	Supplying and fixing 40 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of 3 poles with connections, testing and commissioning etc. as required.	Each	5	1072.41	5362.00
TOTAL FOR NON-SCHEDULE ITEMS (B)					RS.	332933.28

NAME OF THE PROJECT: CONSTN. OF PROPOSED BOYS HOSTEL BLOCK FOR NIELIT AT AGARTALA

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
		HORTICULTURE & LANDSCAPING:				
1	23.1	Trenching in ordinary soil up to a depth of 60cm including removal and stacking of serviveable materials and then disposing of by spreading and neatly leveling with in a lead of 50m and making up the trenched area to proper levels by filling with earth or earth mixed with sludge or/and manure before and after flooding trench with water (excluding cost of impored earth, sludge or manure)	Cum	50.00	30.90	1545.00
2	23.2	Supplying & stackng of good earth at site including royalty and carriage up to 1 km (earht measured in stacks will be reduced by 20% for Payment).	Cum	50.00	260.70	13035.00
3	23.4	Supplying & stackng at site dump manur from Badli or other approved source, including carriage upto 1 km (manure measured in stacks will be reduced by 8% for payment).				
a)	23.4.1	Screened through sieve of IS designation 20mm	Cum	25.00	138.30	3457.50
4	23.5	Rough dressing the trenched ground including breaking clods.	100 Sqm	5.00	59.85	299.25
5	23.6	Uprooting weeds from the trenched area after 10 to 15 days of its flooding with water including disposal of uprooted vegetation	100 Sqm	5.00	194.05	970.25
6	23.7	Fine dressing the ground	100 Sqm	5.00	145.90	729.50
7	23.8	Spreading of sludge, dump manure or/and good earth in required thickness (cost of sludge, dump manure or/and good earth to be paid separately).	Cum	30.00	21.00	630.00
8	23.9	Mixing earth and sludtge or manure in proportion specified or directed	Cum	100.00	14.35	1435.00
9	23.10	Grassing with 'Doob' grass including watering and maintenance of the lawn for 30 days or more till the grass forms a thick lawn free from weeds and fit for mowing including supplying good earth if needed (the good earth shall be paid for separately).				
a)	23.10.3	In rows 5 cm apart in either direction	100 Sqm	10.00	700.25	7002.50

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
10	23.13	Preparation of beds for hedging and snrubbery by excavating 60cm deep and trenching the excavated base to a further depth of 30cm,refilling the excavated earth after breaking clods and mixing with sludge or manure in the ratio of 8:1 (8 parts of stacked volume of earth after reduction by 20% : one part of stacked volume of sludge or manure after reduction by 8%), flooding with water, filling with earth if necessary, watering and finally fine dressing, leveling etc.including stacking and disposal of materials declared unserviceable and surplus earth by spreading and leveling as directed, within a lead of 50m lift up to 1.5 m complete (cost of sludge, manure or extra earth to be paid for separately).	Cum	100.00	87.50	8750.00
11	23.16	Providing and fixing M S flat iron tree guard 60cm dia. And 2m height above ground level formed of 4 nos. 25x6mm and 8 nos 25x3mm vertical M.S. flats rivetted to 3 nos. 25x6mm M S flat iron rings in two halves, bolted together with 8mm dia. And 30mm long bolts including painting two coats with paint of approved brand and manufacture over a coat of priming, complete in all respect.	Each	20.00	2580.60	51612.00
12	23.19	Edging with bricks laid dry length wise including excavation, refilling, consolidating with had packing and spreading nearly suruplus earth with a lead of 50m				
a)	23.19.1	75 class designation				
(i)	23.19.1.1	F P S Brick	metre	300.00	23.55	7065.00
		TOTAL FOR SCHEDULED ITEMS				96531.00
		NON-SCHEDULED ITEMS				
13	NS	Supply / planting the sapling of trees shaddy, flowering and fruits of height upto 600 mm i/c all excavation in dia 1 meter and depth 1.5meter with good earth/manure in required proportion making Thaola etc and watering complete (The cost of good earth and manure will be paid saperately) Types of trees/sapling should be Cycus palm,Fycus (black), aero coria, Red salsa, Dry cina nohtane , Fycus Rizonald etc as per the Engineer-In-charge.	Each	20.00	379.31	7586.21
14	NS	Supply and planting Goldern Durrente complete in all respect as per the instruction of Engineer-In-charge.	Each	20.00	11.72	234.48
		TOTAL OF NON-SCHEDULE I T E M S				7820.69

NATIONAL BUILDINGS CONSTRUCTION CORPORATION LIMITED

"CONSULTANCY DIVISION"

NAME OF THE PROJECT: CONSTRUCTION. OF PROPOSED TYPE I & III QUARTER FOR NIELIT AT AGARTALA,TRIPURA

GENERAL ABSTRACT OF COST

S.NO.	DESCRIPTION		AMOUNT AS PER DSR 2012 (RS.)	AS PER MARKET RATE (RS.)		
1.0	CIVIL WORK MAIN BUILDING		3732797.30	424339.76		
2.0	INTERNAL & EXTERNAL PLUMBING WORKS		337249.30	115862.07		
3.0	INTERNAL ELECTRICAL WORK,		370269.50	70950.66		
	TOTAL		4440316.10	611152.48		

**NAME OF THE PROJECT: CONSTRUCTION. OF PROPOSED TYPE I & III QUARTER FOR NIELIT AT AGARTALA,TRIPURA
ABSTRACT OF COST**

SL.NO.	DESCRIPTION		AMOUNT BASED ON		
			DSR-2012 (RS.)	NON SCHEDULED MARKET RATE	
1	CARRIAGE OF MATERIAL		2649.20		
2	EARTH WORK		302963.50		
3	CONCRETE WORK		197997.25		
4	RCC WORK		1680153.50		
5	BRICK WORK		3798.00	379815.62	
6	MARBLE WORK		46879.00		
7	WOOD WORK		342452.05		
8	STEEL WORK		196447.50		
9	FLOORING WORK		299533.50	44524.14	
10	ROOFING WORK		27925.05		
11	FINISHING WORK		432096.50		
12	WATER PROOFING WORK		199902.25		
		(A)	3732797.30	424339.76	(B)

NAME OF THE PROJECT: CONSTRUCTION. OF PROPOSED TYPE I & III QUARTER FOR NIELIT AT AGARTALA,TRIPURA

CIVIL WORKS						
SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
CARRIAGE OF MATERIALS						
1	1.1.	By mechanical transport including loading, unloading & stacking				
	1.1.1	Lime,moorum,Building rubbish				
a)		1 KM	Cum	40.00	66.23	2649.20
		TOTAL CARRIED OVER TO SUMMARY				2649.20
EARTH WORK:						
2	2.6	Earth work in excavation by mechanical means (Hydraulic excavator/manual means over areas (exceeding 30cm in depth , 1.5m in width as well as 10 sqm on plan) including disposal of excavated earth,lead upto 50m and lift upto 1.5m disposed earth to be levelled and neatly dressed.				
a)	2.6.1	All kinds of soil.	cum	110.00	129.35	14228.50
3	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering lead upto 50 mtrs. and lift upto 1.5 mtr.	cum	610.00	83.80	51118.00
4	2.27	Supplying and filling in plinth with local sand under floors including watering, ramming consolidating and dressing complete.	Cum	100.00	749.30	74930.00
5	2.34	Supplying chemical emulsion in sealed containers including delivery as specified.				
a)	2.34.1	Chlorpyriphos/Lindane Emulsifiable concentrate of 20%.	Ltr.	60.00	185.95	11157.00

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
6	2.35	Diluting and injecting chemical chemical emulsion for POST CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion)				
a)	2.35.3	Treatment of soil under existing floors using chemical emulsion @ one ltr. Per hol, 300mm apart including drilling 12mm diameter holes and plugging with cement mortar 1:2 (1 cement: 2 coarse sand) to match the existing floor.				
i)	2.35.3.1	With Chlorpyriphos /Lindane E C. 20% with 1% concentration.	Sqm	240.00	88.25	21180.00
7	16.3	Supplying and stacking at site:				
a)	16.3.9	Good earth	Cum	500.00	260.70	130350.00
		TOTAL CARRIED OVER TO SUMMARY				302963.50
		CONCRETE WORK:				
8	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level:				
a)	4.1.3	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	cum	5.00	4514.05	22570.25
b)	4.1.6	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)	cum	22.00	3888.20	85540.40
c)	4.1.8	1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)	cum	10.00	3593.30	35933.00
9	4.2	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing coarses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets etc. upto floor five level, excluding the cost of centering, shuttering and finishing:				
a)	4.2.5	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	cum	2.00	4782.35	9564.70

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
10	4.11	Providing and laying damp-proof coarse 50mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5 mm nominal size)	Sqm	40.00	254.70	10188.00
11	4.12	Extra for providing and mixing water proofing material 'Impermo' or equivalent in cement concrete work @ 1 kg. Per 50 Kg. of cement.	per 50 kg. cement	264.00	35.35	9332.40
12	4.13	Applying a coat of residual petroleum bitumen of penetration 80/100 of approved quality using 1.7 kg. Per Sqm on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in Kerosene oil.	Sqm	40.00	96.65	3866.00
13	4.17	Making Plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 Coarse sand :6 graded stone aggregate 20mm nominal size) over 75 mm bed of dry bricks ballast 40mm nominal size well rammed and consolidated and grouted with fine sand including finishing the top smooth.	Sqm	62.00	338.75	21002.50
		TOTAL CARRIED OVER TO SUMMARY				197997.25
		RCC WORK:				
14	5.9	Centring and shuttering including strutting, propping etc. and removal of form for:				
a)	5.9.1	Foundations, footings, bases of columns etc. for mass concrete.	sqm	175.00	166.90	29207.50
b)	5.9.2	Walls (any thickness) including attached pilasters, buttersesses, plinth and string courses etc.	sqm	20.00	285.15	5703.00
c)	5.9.3	Suspended floors, roofs, landings, balconies and access platform.	sqm	230.00	311.20	71576.00
d)	5.9.4	Shelves (Cast in situ)	sqm	50.00	311.20	15560.00
e)	5.9.5	Lintels, beams, plinth beams, girders, bressumers and cantilevers.	sqm	240.00	262.25	62940.00
f)	5.9.6	Columns, Pillars, Piers, Abutments, posts and Struts	sqm	100.00	365.60	36560.00
g)	5.9.7	Stairs, (excluding landings) except spiral-staircases.	sqm	45.00	326.30	14683.50
h)	5.9.13	Vertical and horizontal fins individually or forming box louvers band, facias and eaves boards	sqm	50.00	470.10	23505.00

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
i)	5.9.15	Small lintels not exceeding 1.5m clear span, moulding as in cornices, window sills, string courses, bands, copings, bed plates, anchor blocks and the like.	sqm	50.00	166.90	8345.00
j)	5.9.16	Edges of slabs and breaks in floors and walls				
k	5.9.16.1	Under 20 cms wide	Mtr.	45.00	99.45	4475.25
l)	5.9.18	Small surfaces such as cantilever ends, brackets and ends of steps, caps	sqm	40.00	398.35	15934.00
m	5.9.19	Weather shade, chajjas, corbels etc. including edges.	sqm	50.00	411.10	20555.00
15	5.18	Providing precast cement concrete Jali 1:2:4 (1 cement: 2 coarse sand: 4 stone aggregate 6mm nominal size) reinforced with 1.6mm dia mild steel wire including centring & shuttering roughening cleaning, fixing and finishing in cement mortar 1:3 (1 cement: 3 fine sand) etc. complete excluding plastering of the jambs, sills and soffits.				
a)	5.18.1	50mm thick	Sqm	20.00	598.15	11963.00
16	5.22	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete				
a)	5.22.6	Thermo-Mechanically Treated bars	Kg.	4200.00	62.25	261450.00
17	5.22 A	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete				
a)	5.22A.6	Thermo-Mechanically Treated bars	Kg.	8928.00	62.25	555768.00
18	5.33	Providing and laying in position machine batched, machine mixed and machine vibrated design mix cement concrete of specified grade for reinforced cement concrete work including pumping of concrete to site of laying but excluding the cost of centring, shuttering, finishing and reinforcement-including admixture in recommended proportions as per IS:9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge.				
		Note-cement content considered in this item is @330kg/cum. Excess/less cement used as per design mix is payable /recoverable separately).				
a)	5.33.1	All works upto plinth level	Cum	35.00	5242.15	183475.25

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
b)	5.33.2	All works above plinth level upto floor five level	Cum	62.00	5781.50	358453.00
		TOTAL CARRIED OVER TO SUMMARY				1680153.50
19	6.15	Extra for providing and placing in position 2 Nos. 6 mm dia MS bars at every third course of half brick masonry (with FPS bricks)	Sqm	60.00	63.30	3798.00
		TOTAL CARRIED OVER TO SUMMARY				3798.00
		NON-SCHEDULE ITEM:				
20	NS	Brick work with FPS bricks of class designation 100 in foundation & plinth in:				
a)		Cement mortar 1:6 (1 cement: 6 coarse sand)	Cum	25.00	3964.2	99105.00
21	NS	Brick work with F.P.S. bricks of class designation 100 in superstructure above plinth level up to floor V level in all shapes and sizes in:				
a)		Cement mortar 1:6 (1 cement: 6 coarse sand)	Cum	60.00	4160.34483	249620.69
22	N.S	125mm brick masonry with FPS bricks of class designation 100 in supersructure above plinth in level upto floor V level				
a)		Cement mortar 1:4 (1 cement: 4 coarse sand)	Sqm	60.00	518.17	31089.93
		TOTAL CARRIED OVER TO SUMMARY				379815.62
		MARBLE WORK:				
23	8.2	Providing and fixing 18mm thick gang saw cut mirror (polished premoulded and prepolished) machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size of approved shade, colour and texture laid over 20mm thick base cement mortar 1:4 (1 cement: 4 coarse sand) with joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing curing, moudling and polishing to edge to give high gloss finish etc. complete at all levels.				
a)	8.2.1	White marble - Raj Nagar plain /udaipur green marble /zebra black marble				
i)	8.2.1.2	Area of slab over 0.50 Sqm	Sqm	10.00	1980.80	19808.00

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
b)	8.2.2	Granite of any colour and shade				
i)	8.2.2.2	Area of slab over 0.50 Sqm	Sqm	7.00	3083.40	21583.80
24	8.3	Extra for providing edge moulding to 18mm thick marble stone counters, Vanities etc. Including machine polishing to edge to give high gloss finish etc. Complete as per design approved by Engineer-in-Charge.				
a)	8.3.1	Marble work.	Mtr.	20.00	105.70	2114.00
25	8.5	Extra for providing opening of required size & shape for wash basins / kitchen sink in kitchen platform, vanity counters and similar location in marble / Granite / stone work including necessary holes for pillar taps etc. Including rubbing and polishing necessary etc. complete.	Each	12.00	281.10	3373.20
		TOTAL CARRIED OVER TO SUMMARY				46879.00
		WOOD WORK:				
26	9.20	Providing and fixing ISI marked flush door shutters conforming to IS:2202 (Part-I) decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters.				
a)	9.20.1	35 mm thick including ISI marked stainless steel butt hinges with necessary screws.	Sqm	45.00	2159.05	97157.25
27	9.20.3	25mm thick (for cupboard) including ISI marked nickel plated bright finished M.S. piano hinges IS :3818 marked with necessary screws	Sqm	20.00	1789.45	35789.00
28	9.27	Providing and fixing 35mm thick wire gauze shutters using galvanised MS wire gauze of average width of aperture 1.4mm with wire of dia, 0.63mm for doors, windows and clerestory windows including ISI marked bright finished or/and black enamelled MS butt hinges with necessary screws.				
a)	9.27.1	35 mm thick shutters				
i)	9.27.1.2	With ISI marked stainless steel butt hinges of required size				
	9.27.1.2.	Second class teak wood.	Sqm	45.00	2737.90	123205.50

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
29	9.48	Providing and fixing MS grills of required pattern in frames of windows etc. with MS flats, square or round bars etc. all complete				
a)	9.48.2	Fixed to opening /wooden frames	Kg.	330.00	98.20	32406.00
30	9.96	Providing and fixing aluminium sliding door bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS: 1868) transparent or dyed to required colour or shade with nuts and screws etc. complete:				
a)	9.96.1	300 x 16 mm	Each	8.00	203.80	1630.40
b)	9.96.2	250 x 16 mm	Each	30.00	168.95	5068.50
31	9.97	Providing and fixing aluminium tower bolt ISI marked anodised (anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour or shade with necessary screws etc. complete:				
a)	9.97.1	300x10 mm	Each	36.00	100.40	3614.40
b)	9.97.2	250x10 mm	Each	36.00	86.45	3112.20
c)	9.97.4	150x10 mm	Each	20.00	59.00	1180.00
32	9.83	Providing & fixing IS:3564 marked aluminium Die cast body tubular type universal hydraulic door closer with necessary accessories and screws etc. complete	Each	28.00	610.60	17096.80
33	9.100	Providing and fixing aluminium handles ISI marked anodised (anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour or shade with necessary screws etc. complete:				
a)	9.100.1	125 mm	Each	36.00	62.50	2250.00
b)	9.100.2	100 mm	Each	20.00	49.55	991.00
34	9.101	Providing and fixing aluminium hanging floor door stopper ISI marked anodised (anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour or shade with necessary screws etc. complete:				
a)	9.101.2	Twin rubber stopper	Each	28.00	71.55	2003.40

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
35	9.103	Providing & fixing bright finished brass 100 mm mortice latch & lock ISI marked with 6 levers and a pair of anodised(anodic coating not less than grade AC 10 as per IS :1868) aluminium lever handles with necessary screws etc. complete (Best make of approved quality)	Each	24.00	706.15	16947.60
TOTAL CARRIED OVER TO SUMMARY						342452.05
STEEL WORK						
36	10.5	Providing and fixing 1mm thick MS sheet door with frame of 40x40x6mm angle iron and 3mm MS gusset plates at the junctions and corners, all				
a)	10.5.1	Using MS angle 40x40x6mm for diagonal braces.	Sqm	2.10	2551.45	5358.05
37	10.11	Providing & fixing factory made ISI marked steel glazed doors, windows and ventilators side/top/central hung with beading and all members such as K11B and K12B etc. complete of standard rolled steel sections, joints mitred and flash butt welded and sash bars tenoned and riveted with 15x3mm lugs, 10cm long, embedded in cement concrete blocks 15x10x10cm of 1:3:6 (1 cement: 3 coarse sand: 6 graded stone aggregate 20mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with fixing clips or with bolts and nuts as required, including providing and fixing of hinges, pivots, float glass panes with glazing clips and special metal sash putty of approved make and a priming coat of approved steel primer, excluding the cost of metal beading and other fittings except necessary hinges or pivots complete as per approved design.	Kg.	283.00	96.30	27252.90
38	10.13	Providing & fixing T-iron frames for doors, windows & ventilators of mild steel T-sections, joints mitred and welded with 15x3 mm lugs, 10 cm long, embedded in cement concrete blocks 15x10x10 cm of 1:3:6 (1 cement: 3 coarse sand: 6 graded stone aggr. 20 mm nominal size) or with wooden plugs & screws or rawl plugs and screws or with dash fasteners or with fixing clips or with bolts and nuts as required, including fixing of necessary butt hinges & screws and applying a priming coat of approved steel primer.	Kg.	285.00	73.30	20890.50

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
39	10.14	Providing and fixing pressed steel door frames conforming to IS:4351 manufactured from commercial mild steel sheet of 1.25 mm thickness including hinges, jamb, lock jamb, bead and if required angle threshold of mild steel angle of section 50x 25 mm, or base ties of 1.25 mm pressed mild steel welded or rigidly fixed together by mechanical means, adjustable lugs with split end tail to each jamb including steel butt hinges 2.5 mm thick with mortar guards, lock strike-plate and shock absorbers as specified and applying a coat of approved steel primer after pre-treatment of the surface as directed by the Engineer-in-charge.				
a)	10.14.1	Profile B				
i)	10.14.1.1	Fixing with adjustable lugs with split end tail to each jamb	Mtr	50.00	346.75	17337.50
b)	10.14.2	Profile C				
a)	10.14.2.2	Fixing with adjustable lugs with split end tail to each jamb	Mtr	95.00	370.00	35150.00
40	10.25	Steel work welded in built up sections/framed work including cutting hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required				
a)	10.25.2	In gratings, frames, guard bar, ladders, railings, brackets, gates & similar works	Kg.	150.00	77.90	11685.00
41	10.18	Providing and fixing circular/hexagonal cast iron or MS sheet box for ceiling fan clamp of internal dia 140mm, 73mm height, top lid of 1.5mm thick M.S. sheet with its top surface hacked for proper bonding, top lid shall be screwed into the cast iron/ MS box by means of 3.3mm dia round headed screws, one lock at the corners. Clamps shall be made of 12mm dia M.S. bar bent to shape as per standard drawing.	Each	20.00	117.45	2349.00
a)	10.26	Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing & staircase railing including applying a priming coat of approved steel primer.				
i)	10.26.1	MS tube	Kg.	300.00	86.45	25935.00
42	10.30	Providing and fixing glass panes with putty and glazing clips in steel doors , windows, celerestory windows, all complete with.				
a)	10.3.2	5.5 mm thick glass	sqm	27.00	836.65	22589.55

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
43	10.28	Providing and fixing stainless steel (grade 304)railing made of Hollow tubes , channels , plates etc , including welding grinding , buffing ,polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete ,l/c fixing the railing with necessary accessories &stainless steel dash fasteners ,stainless steels bolts etc ,of required size ,on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineers -in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accesories such as nuts ,bolts, fasteners etc	Kg	50.00	558.00	27900.00
		TOTAL CARRIED OVER TO SUMMARY				196447.50
FLOORING WORK						
44	11.4	52 mm thick cement concrete flooring with concrete hardener topping under layer 40 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand: 4 graded stone aggregate 20 nominal size) and top layer 12 mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix: 2 stone aggregate 6 mm nominal size) by volume hardening compound is mixed @ 2 Ltrs per 50 kg. of cement or as per manufacturer specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete	Sqm	25.00	420.50	10512.50
45	11.6	Cement plaster skirting (upto 30 cm height) with cement mortar 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement.				
a)	11.6.1	18 mm thick	Sqm.	25.00	258.20	6455.00
46	11.13	Providing & fixing glass strips in joints of terrazo/cement concrete floors.				
a)	11.13.1	40 mm wide and 4 mm thick	Mtr.	10.00	29.40	294.00

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
47	11.16	Precast terrazo tiles 22 mm thick with graded marble chips of size upto 12 mm laid in floors, and landings, jointed with neat cement slurry mixed with pigment to match the shade of the tiles including rubbing and polishing complete with precast tiles on 20 mm thick bed of cement mortar 1:4 (1 cement: 4 coarse sand)				
a)	11.16.1	Light shade using white cement	Sqm	60.00	769.35	46161.00
48	11.26	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete with base of cement mortar 1:4 (1 cement: 4 coarse sand)				
a)	11.26.1	25 mm thick	Sqm	50.00	945.70	47285.00
49	11.27	Kota stone slab 25 mm thick in risers of steps, skirting dado and pillars laid on 12 mm(average) thick cement mortar 1:3 (1 cement : 3 coarse sand) & jointed with grey cement slurry mixed with pigment to match the shade of the slabs including rubbing and polishing complete.	Sqm	40.00	954.10	38164.00
50	11.36	Providing & fixing 1st quality ceramic glazed wall tiles conforming to IS:15622 (thickness to be specified by the manufacturer) of approved make in all colours, shades except Burgundy, bottle green, black of any size as approved by Engineer-in-charge in skirting, risers of steps & dados over 12 mm thick bed of cement mortar 1:3 (1 cement :3 coarse sand) and jointing with grey cement slurry @3.3 Kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	Sqm	50.00	724.25	36212.50
51	11.38	Providing & laying ceramics glazed floor tiles 300x300mm or more (thickness to be specified by the manufacturer) of 1st quality conforming to IS:15622 of approved make in colours White, Ivory, Grey, Fume, Red Brown, laid on 20 mm thick cement mortar 1:4 (1 cement :4 coarse sand) including grouting the joints with white cement and matching pigments etc. complete.	Sqm	130.00	772.90	100477.00

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
52	11.39	Providing & laying rectified glazed ceramics floor tiles 300x300mm or more (thickness to be specified by the manufacturer) of 1st quality conforming to IS:15622 of approved make in colours White, Ivory, Grey, Fume, Red Brown, laid on 20 mm thick cement mortar 1:4 (1 cement :4 coarse sand) including grouting the joints with white cement and matching pigments etc. complete.	Sqm	15.00	931.50	13972.50
		TOTAL CARRIED OVER TO SUMMARY				299533.50
		NON-SCHEDULE ITEM:				
54	NS	Providing and laying pioneer tiles including all accessories of approved quality and specification as per drawings and directions of Engineer-In - Charge .	Sqm	60.00	742.07	44524.14
		TOTAL CARRIED OVER TO SUMMARY				44524.14
		ROOFING WORK				
55	12.21	Providing gola 75x75mm in cement concrete 1:2:4 (1 cement: 2 coarse sand: 4 stone aggregate 10mm and down gauge) including finishing with cement mortar 1:3 (1 cement: 3 fine sand) as per standard design:				
a)	12.21.1	In 75x75mm deep chase	Mtr.	75.00	109.05	8178.75
56	12.22	Making khuras 45x45cm with average minimum thickness of 5cm cement concrete 1:2:4 (1 cement :2 coarse sand: 4 graded stone aggregate of 20 mm nominal size) over PVC sheet 1m x 1m x 400micron, finished with 12mm cement plaster 1:3 (1cement: 3 coarse sand) and a coat of neat cement rounding of the edges and making and finishing the outlet complete.	Each	10.00	148.75	1487.50
57	12.38	Providing and fixing MS holder bat clamps of approved design to C.I. or S.C.I. rain water pipes embedded in and including cement concrete blocks 10 x 10 x 10 cm of 1:2:4 mix (1 cement:2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and cost of cutting holes and making good the walls etc.				
a)	12.38.2	For 150 mm dia pipe	Each	10.00	121.80	1218.00

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
58	12.39	Providing lead caulked joints to sand cast iron rain water pipes and fittings:				
a)	12.39.2	For 150 mm dia pipe	Each	10.00	287.10	2871.00
59	12.40	Providing and fixing on wall face unplasticised-Rigid PVC rain water pipes conforming to IS:13592 Type A including jointing with seal ring conforming to IS:5382 leaving to 10mm gap for thermal expansion. (i) Single socketed pipes:				
a)	12.40.1.1	150mm diameter	Mtrs	20.00	407.85	8157.00
60	12.42	Providing and fixing on wall face unplasticised- PVC moulded fittings/accessories for unplasticised-Rigid PVC rain water pipes conforming to IS:13592 Type A including jointing with seal ring conforming to IS:5382 leaving to 10mm gap for thermal expansion.				
a)	12.42.1	Coupler				
i)	12.42.1.2	110mm	Each	8.00	130.25	1042.00
b)	12.42.5	Bend 87.5"				
i)	12.42.5.2	110mm bend	Each	8.00	156.95	1255.60
c)	12.42.6	Shoe (plain)				
i)	12.42.6.2	110mm shoe	Each	8.00	287.05	2296.40
61	12.43	Providing and fixing unplasticised- PVC pipe clips of approved design to unplasticised-PVC rain water pipes by means of 50x50x50mm hard wood plugs, screwed with MS screws of required length including cutting brick work and fixing in cement mortar 1:4 (1 cement:4 coarse sand) and making good the walls etc. complete.				
a)	12.43.2	110mm	Each	8.00	144.60	1156.80
62	12.44	Providing & fixing to the inlet mouth of rain water pipe cast iron grating 15cm diameter and weighing not less than 440 gms.	Each	8.00	32.75	262.00
		TOTAL CARRIED OVER TO SUMMARY				27925.05
		FINISHING:				
63	13.4	12mm cement plaster of mix :				
a)	13.4.2	1:6 (1 cement : 6 coarse sand)	Sqm	600.00	112.50	67500.00

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
64	13.7	12mm cement plaster finished with a floating coat of neat cement of mix :				
a)	13.7.1	1:4 (1 cement : 4 fine sand)	Sqm	30.00	107.80	3234.00
65	13.12	18 mm cement plaster in two coats under layer 12mm thick cement plaster 1:5 (1 cement : 5 coarse sand) and a top layer 6mm thick cement plaster 1:3 (1 cement: 3 coarse sand) finished rough with sponge.	Sqm	100.00	123.50	12350.00
66	13.5	15mm cement plaster on rough side of single or half brick wall of mix:				
a)	13.5.2	1:6 (1 cement : 6 Coarse sand)	Sqm	550.00	130.20	71610.00
67	13.16	6 mm cement plaster to ceiling of mix :				
a)	13.16.1	1:3 (1 cement : 3 fine sand)	Sqm.	250.00	101.00	25250.00
68	13.26	Providing and applying plaster of paris putty of 2mm thickness over plastered surface to prepare the surface even and smooth complete.	Sqm.	1400.00	83.80	117320.00
69	13.37	White washing with lime to give an even shade				
a)	13.37.1	New work (three or more coats)	Sqm.	150.00	11.75	1762.50
70	13.41	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade.				
a)	13.41.1	New work (two or more coats) over and including priming coat with cement primer	Sqm	300.00	66.70	20010.00
71	13.47	Finishing walls with Premium Acrylic Smooth exterior paint with "Silicone additives of required shade				
a)	13.47.1	New work (two or more coats applied @1.43 ltr/10 sqm over and including base coat of water proofing cement paint applied @2.20kg/10sqm)	Sqm	500.00	80.45	40225.00
72	13.60	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade :				
a)	13.60.1	Two or more coats on new work	Sqm	500.00	60.25	30125.00

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
73	13.45	Finishing walls with textured exterior paint of required shade				
a)	13.45.1	New work (two or more coats applied @ 3.28 Ltr/ 10 Sqm) over and including base coat of water proofing cement paint applied @ 2.20 Kg./ 10 Sqm.	Sqm	200.00	117.70	23540.00
74	13.50	Applying priming coat:				
a)	13.50.1	With ready mixed pink or grey primer of approved brand and manufacturer on wood work (hard & soft wood)	sqm	150.00	25.85	3877.50
a)	13.61	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :				
b)	13.61.1	Two or more coats on new work	Sqm	150.00	53.85	8077.50
75	13.76	Forming groove of uniform size from 12x12mm and 25x15mm in plastered surface as per approved pattern using wooden battens, nailed to the under layer including removal of wooden battens, repair to the edges of panel and finishing the groove complete as per specifications and direction of the Engineer-In-Charge.	Mtr.	100.00	72.15	7215.00
		TOTAL CARRIED OVER TO SUMMARY				432096.50
		WATER PROOFING:				
76	22.5	Providing and laying water proofing treatment in sunken portion of WCs, bathrooms etc. by applying cement slurry mixed with water proofing cement comopund consisting of applying: a) First layer of slurry of cement @ 0.488 kg./Sqm mixed with water proofing cement comound @ 0.253 kg./Sqm. This layer will be allowed to air cure for 4 hours. b) Second layer of slurry of cement @ 0.242 kg./Sqm mixed with water proofing cement comopund @ 0.126 kg./Sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours. The rate includes preparation of surface, treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry.	Sqm	15.00	215.15	3227.25

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
77	22.7	Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces consisting of following operations: a) Applying and grouting a slurry coat of neat cement using 2.75 kg./Sqm of cement admixed with water proofing compound conforming to IS:2645 and approved by Engineer-In-Charge over the RCC slab including adjoining walls upto 300mm height including cleaning the surface before treatment. b) Laying brick bats with mortar using broken bricks/brick bats 25mm to 115mm size with 50% of cement mortar 1:5 (1cement : 5 coarse sand) admixed with water proofing cement compound conforming to IS:2645 and approved by Engineer-In-Charge over 20mm thick layer of cement mortar of mix 1:5 (1 cement: 5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by the Engineer-In-Charge to required slope & treating similarly the adjoining walls upto 300 mm height including rounding of junctions of walls and slabs.				
		c) After two days of proper curing applying a second coat of cement slurry using 2.75 kg./sqm of cement admixed with water proofing comopound conforming to IS:2645 and approved by the Engineer-In-Charge. d) Finishing the surface with 20mm thick jointless cement mortar of mix 1:4 (1 cement : 4 coarse sand) admixed with water proofing compound conforing to IS:2645 and approved by the Engineer-In-charge including laying glass fibre cloth of approved quality in top layer of plaster and finally finishing the surface with trowel with neat cement slurry and making pattern of 300mmx 300mm square. e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test. All above operations to be done in order and as directed and specified by the Engineer-In-Charge.				
a)	22.7.1	With average thickness of 120mm and minimum thickness at khurra as 65mm.	Sqm	250.00	786.70	196675.00
		TOTAL CARRIED OVER TO SUMMARY				199902.25

ABSTRACT OF COST FOR TYPE QUARTERS (I & III)				
SL.NO.	DESCRIPTION		AMOUNT AS PER DSR'2012	MARKET
1	SANITARY FIXTURES		71322.15	
2	SOIL, WASTE VENT PIPE		64596.00	
3	WATER SUPPLY (INTERNAL)		113948.15	115862.07
4	DRAINAGE(SEWERAGE)		70597.00	
5	EARTH WORK		16786.00	
	Total Cost		337249.30	115862.07

NAME OF THE PROJECT :CONSTN. OF TYPE -III QUARTERS						
NAME OF WORK: DETAILED COST ESTIMATE OF TYPE - I & III QUARTERS (INTERNAL PLUMBING WORKS)						
SL. NO.	DSR 2012	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
A	SANITARY FIXTURE:					
1	17.1	Providing and fixing water closet squatting pan (Indian type WC pan) with 100mm sand cast iron P or S trap, 10 litres low level white PVC flushing cistern with manually controlled device (Handle lever) conforming to IS:7231 with all fittings & fixtures completes,including cutting and making good the walls and floors wherever required :				
a)	17.1.1	White Vitreous china Orissa pattern WC pan of size 580 x 440mm with integral type foot rest.	Each	4	2964.10	11856.40
2	17.3	Providing and fixing white vitreous china pedestal type water closet (European type) with seat & lid with CP brass hinges & rubber buffers, 10 ltr low level white vitreous china flushing cistern & C.P. flush bend with fittings and C.I. brackets, 40mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete including painting of fittings and brackets, cutting & making good the walls and floors wherever required.				
a)	17.3.1	WC Pan with ISI marked white solid plastic seat and lid	Each	3	4220.80	12662.40
3	17.7	Providing and fixing wash basin with CI brackets, 15mm CP brass pillar taps, 32mm CP brass waste of standard pattern, including painting of fittings and brackets cutting & making good the walls, wherever required				
	17.7.1	White vitreous china wash basin size 630 x 450mm with a pair of 15mm C.P. brass pillar taps	Each	7.00	1848.35	12938.00
4	17.10	Providing and fixing stainless steel A ISI: 304 (18/8) kitchen sink as per IS:13983 with CI brackets and stainless steel plug 40mm including painting of fittings & brackets, cutting and making good the walls wherever required.				
	17.10.1	Kitchen sink with drain board				

SL. NO.	DSR 2012	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
	17.10.1.1	Size 510x1040mm bowl depth 250mm	Each	4	6743.55	26974.20
5	17.28	Providing & fixing PVC waste pipe for sink or wash basin including PVC waste fittings complete				
	17.28.1	Semi rigid pipe				
	17.28.1.1	32mm dia	Each	7.00	59.50	416.50
6	17.31	Providing and fixing 600 x 450mm bevelled edge mirror of superior glass (of approved quality) complete with 6mm thick hard board ground fixed to wooden cleats with CP brass screws and washers complete	Each	7.00	674.05	4718.00
7	17.34	Providing and fixing toilet paper holder				
	17.34.1	C.P brass	Each	7.00	250.95	1756.65
		TOTAL FOR SCHEDULE TIEMS(SANITARY FIXTURE)				71322.15
(B)	SOIL WASTE VENT PIPES AND FITTINGS:					
8	17.35	Providing and fixing soil, waste vent pipes				
a)	17.35.1	100mm dia				
	17.35.1.2	Centrifugally cast (spun) iron socketed pipe as per IS:3989.S&S pipe	Mtr	20.00	857.30	17146.00
b)	17.35.2	75mm dia				
	17.35.2.2	Centrifugally cast (spun) iron socketed pipe as per IS:3989.	Mtr	15.00	744.50	11168.00
9	17.37	Providing and fixing MS holder-bat clamps of approved design to Sand Cast iron/cast iron (spun) pipe embedded in and including cement concrete blocks 10x10x10 cm of 1:2:4 mix (1 cement: 2 coarse sand : 4 graded stone aggregate 20mm nominal size) including cost of cutting holes and making good the walls etc.				
	17.37.1	For 100mm dia pipe	Each	9	112.50	1031.00
	17.37.2	For 75mm dia pipe	Each	7	110.15	780.00

SL. NO.	DSR 2012	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
10	17.38	Providing and fixing bend of required degree with access door insertion rubber washer 3mm thick bolts and nuts complete				
a)	17.38.1	100mm				
	17.38.1.2	Sand Cast iron S&S as per IS-3989	Each	1.00	353.25	353.00
b)	17.38.2	75mm				
	17.38.2.2	Sand Cast iron S&S as per IS-3989	Each	1.00	281.15	281.00
11	17.39	Providing and fixing plain bend of required degree				
a)	17.39.1	100mm				
	17.39.1.2	Sand Cast iron S&S as per IS-3989	Each	1.00	296.35	296.00
b)	17.39.2	75mm				
	17.39.2.2	Sand Cast iron S&S as per IS-3989	Each	1.00	221.95	222.00
12	17.56	Providing and fixing terminal guard				
a)	17.56.1	100mm				
	17.56.1.2	Sand Cast iron S&S as per IS-3989	Each	1.00	244.10	244.00
b)	17.56.2	75mm				
	17.56.2.2	Sand Cast iron S&S as per IS-3989	Each	1.00	221.95	222.00
13	17.57	Providing and fixing collars				
a)	17.57.1	100mm				
	17.57.1.2	Sand Cast iron S&S as per IS-3989	Each	14	238.25	3404.00
b)	17.57.2	75mm				
	17.57.2.2	Sand Cast iron S&S as per IS-3989	Each	11	169.25	1813.00
14	17.58	Providing lead caulked joints to sand cast iron/centrifugally cast (spun) iron pipes & fittings of dia				

SL. NO.	DSR 2012	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
a)	17.58.1	a) 100mm	Each	29	207.85	5939.00
b)	17.58.2	b) 75mm	Each	21	176.50	3782.00
15	17.60	Providing and fixing trap of self cleaning design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors.				
a)	17.60.2	a) 100mm inlet and 75mm outlet				
	17.60.2.1	Sand Cast iron S&S as per IS-3989	Each	15.00	838.85	12583.00
16	17.61	Cutting chases in brick masonry walls for following diameter sand cast iron/centrifugally cast (spun) iron pipes and making good the same with cement concrete 1:3:6 (1 cement: 3 coarse sand: 6 graded stone aggregate 12.5mm nominal size) including necessary plaster and painting in cement mortar 1:4 (1 cement: 4 coarse sand).				
a)	17.61.1	a) 100mm dia	Mtr.	10.00	252.10	2521.00
b)	17.61.2	b) 75mm dia	Mtr.	10.00	180.40	1804.00
17	17.65	Painting sand cast iron/centrifugally cast (spun) iron soil, waste vent pipes and fittings with paint of any colour such as chocolate grey or buff etc. over a coat of primer (of approved quality) for new work.				
a)	17.65.1	a) 100mm dia meter pipe	Mtr	22.00	28.75	633.00
b)	17.65.2	b) 75mm dia meter pipe	Mtr	17.00	22.00	374.00
TOTAL FOR SCHEDULE ITEMS(SOIL WASTE VENT PIPES & FITTINGS)						64596.00
C)	WATER SUPPLY					
	SCHEDULE ITEMS					

SL. NO.	DSR 2012	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
18	18.1	Providing & fixing Polyethene Aluminim Polyethene (PE-AL-PE) composite pressure pipes conforming to IS-15450 U.V. stabilized with carbon black having thermal stability for hot & cold water supply, capable to withstand temperature upto 80 deg. C including all special fittings of composite material (engineering plastic blend and brass inserts wherever required) i.e. elbows, tees, reducers, couplers & connectors etc. with clamps at 1.00 metre spacing. This includestesting of joints complete as per direction of Engineer-in-charge.				
		Internal work -Exposed on wall				
	18.1.2	1620(16mm OD)pipe	Mtr	25.00	224.55	5613.75
	18.1.3	2025(16mm OD)pipe	Mtr	20.00	277.95	5559.00
19	18.2	Providing & fixing Polyethene Aluminim Polyethene (PE-AL-PE) composite pressure pipes conforming to IS-15450 U.V. stabilized with carbon black having thermal stability for hot & cold water supply, capable to withstand temperature upto 80 deg. C including all special fittings of composite material (engineering plastic blend and brass inserts wherever required) i.e. elbows, tees, reducers, couplers & connectors etc. with clamps at 1.00 metre spacing. This includes the costs of cutting chases and including testing of joints complete as per direction of Engineer-in-charge.				
		Concealed installation including cutting chases and making good the walls etc. complete				
	18.2.1	1216 (16mm OD) pipe	Mtr	20	297.95	5959.00
20	18.3	Providing & fixing Polyethene Aluminim Polyethene (PE-AL-PE) composite pressure pipes conforming to IS-15450-2004 U.V. stabilized with carbon black having thermal stability for hot & cold water supply, capable to withstand temperature upto 80 deg. C including all special fittings of composite material (engineering plastic blend and brass inserts wherever required) i.e. elbows, tees, reducers, couplers & connectors etc. with trenching,refilling and testing of joints complete as per direction of Engineer-in-charge.				
		External work				
	18.3.3	2025 (25mm OD) Pipe	Mtr	12	261.20	3134.40

SL. NO.	DSR 2012	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
	18.3.4	2532 (32mm OD) Pipe	Mtr	15	336.70	5050.50
21	18.12	Providing and fixing GI pipes complete with GI fittings including trenching & refilling etc.				
		External works:				
	18.12.6	f)50mm nominal bore	Mtrs	1	355.95	355.95
22	18.13	Making connection of GI distribution branch with GI main of following sizes by providing & fixing tee, including cutting and threading the pipe etc. complete.				
a)	18.13.1	25 to 40mm nominal bore	Each	1	277.35	277.35
23	18.17	Providing and fixing gun metal gate valve with CI wheel of approved quality (screwed end).				
	18.17.1	25mm nominal bore	Each	2	372.95	745.90
24	18.18	Providing and fixing ball valve (brass) of approved quality. High or low pressure, with plastic floats complete.				
	18.18.1	15mm nominal bore	Each	2	258.05	516.10
25	18.19	Providing and fixing gun metal non-return valve of approved quality (screwed end).				
	18.19.1	25mm nominal bore				
	18.19.1.1	Horizontal	Each	2	383.45	766.90
	18.19.2	32mm nominal bore				
	18.19.2.1	Horizontal	Each	2	490.25	980.50
	18.19.3	40mm nominal bore				
	18.19.2.2	Horizontal	Each	1	620.25	620.25
26	18.22	Providing and fixing C.P brass Shower rose with 15 or 20 mm inlet				

SL. NO.	DSR 2012	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
	18.22.1	100 mm diameter	Each	5	58.15	290.75
27	18.41	Providing & fitting sand of grading zone V or coarser grade around the GI pipes in external work:				
	18.41.3	25mm diameter pipe	Mtr	1	56.95	56.95
28	18.27	Providing & laying S&S centrifugally cast (spun) iron pipes (Class LA) conforming to IS-1536				
	18.27.3	100mm dia pipe	Mtrs	40.00	1476.70	59068.00
29	18.49	Providing & fixing CP brass bib cock of approved quality conforming IS 8931:				
	18.49.1	15mm nominal bore	Each	16.00	397.50	6360.00
30	18.52	Providing and fixing CP brass stop cock (concealed) of standard design and approved make conforming to IS: 8931.				
a)	18.52.1	15mm nominal bore	Each	32.00	426.55	13650.00
31	18.53	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved make conforming to IS 8931				
		15mm nominal bore	Each	11.00	449.35	4942.85
		TOTAL FOR SCHEDULE ITEMS (WATER SUPPLY)				113948.15
		NON-SCHEDULE ITEMS :(WATER SUPPLY)				
31	NS	Providing and fixing CI cover with frame for RCC UGT / OHT				
a)		a) 560 mm dia internal dia DI cover with frame (Heavy duty total weight of the cover not less than 60 Kg)	Each	2.00	3448.28	6896.55

SL. NO.	DSR 2012	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
32	NS	Providing and fixing monoblock centrifugal pumping set with gun metal impeller with totally enclosed fan colled squirrel cage induction motor capable of discharging 50 LPM against 35m head complete with flow and pressure dial guage, base plate priming arrangement, with wiring, panel & equipments for water level controller to start / stop the pump automatically with protection for dry run etc. complete in all respects.	Each	2.00	24137.93	48275.86
33	NS	Providing and placing on terrace (at all floor levels) polyethylene water storage tank IS:12701 marked with cover & suitable locking arrangement and making necessary holes for inlet, outlet & overflow pipes but without fittings and the base support for tank.				
			Litre	2000	9.66	19310.34483
34	NS	Supplying instalation testing and commisioning of 25 ltr Geysers.(Usha/Recold/Inhalsa)	Litre	4	10344.83	41379.31034
		TOTAL FOR NON-SCHEDULE ITEMS :(WATER SUPPLY)				115862.07
	D)	SEWERAGE (INTERNAL):				
35	19.1	Providing, laying & jointing glazed stoneware pipes grade 'A' with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete				
a)	19.1.1	100 mm diameter	Mtr	10.00	150.10	1501.00
36	19.2	Providing and laying cement concrete 1:5:10 (1 cement: 5 coarse sand : 10 graded stone aggregate 40mm nominal size) around SW pipes including bed concrete as per standard design.				
a)	19.2.1	100 mm dia RCC pipe	Mtr	10.00	496.90	4969.00
37	19.4	Providing and fixing square - mouth SW gully trap grade 'A' complete with CI grating brick masonry chamber with water tight CI Cover with frame of 300x300mm size (inside) the weight of cover to be not less than 4.50 Kg. and frame to be not less than 2.70 Kg as per standard design.				

SL. NO.	DSR 2012	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
a)	19.4.1	100x100mm size 'P' type				
	19.4.1.1	With FPS bricks class designation 75.	Each	4.00	1256.35	5025.00
38	19.6	Providing and laying non-pressure NP2 class (light duty) RCC pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of the joints etc. complete.				
	19.6.1	100 mm dia RCC pipe	Mtr	50.00	218.35	10918.00
39	19.7	Constructing brick masonry manhole in cement mortar 1:4 (1 cement: 4 coarse sand) RCC top slab with 1:2:4 mix (1 cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size), fondation concrete 1:4:8 (1 cement: 4 coarse sand: 8 graded stone aggregate 40 mm nominal size) inside plastering 12 mm thick with cement mortar 1:3 (1 cement: 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregated 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design.				
a)	19.7.1	Inside size 90 x 80 cm and 60 cm deep including CI cover with frame (light duty) 455 x 610 mm internal dimensions total weight of cover and frame to be not less than 38 kg) (weight of the cover 23 kg and weight of frame 15 kg).				
	19.7.1.1	With FPS bricks with class designation 75	Each	6.00	7132.00	42792.00
40	19.16	Providing orange colour safety foot rest of minimum 6 mm thick plastic encapsulated as per IS:10910 on 12mm dia steel bar comforming to IS:1786 having minimum cross section as 23mm x 25mm and over all minimum length 263 mm and width as 165mm with minimum 112mm space between protruded legs having 2mm tread on top surface by ribbing or chequiring besides necessary & adequate anchoring projections on tail length on 138mm as per standard drawing and suitable to with stand the bend test and chemical resistance test as per specifications and having manufacture's permanent identification mark to be visible even after fixing, including fixing in manholes with 30x20x15cm cement concrete block 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size) complete as per design.	Each	21.00	256.75	5392.00

SL. NO.	DSR 2012	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
		TOTAL FOR SCHEDULE ITEMS				70597.00
	E)	EARTH WORK(INTERNAL PLUMBING WORK)				
		SCHEDULE ITEMS				
41	2.6	Earth work in excation over areas (exceeding 30cm in depth, 1.5 in width as well as 10 sq.mt in plan) including disposal of excavated earth lead upto 50m and lift upto 1.5 m disposed earth to be levelled and neatly dressed.				
a)	2.6.1	All kind of soil	Cum	40.00	129.35	5174.00
42	2.10	Excavating trenches of required width for pipes, cables, etc. including excavation for sockets and refessing of sides, ramming of bottom depth upto 1.5m including getting out the excavated soil, and then returning the soil as required in layers not exceeding 20mm in depth including consolidating earth deposited layer by ramming, watering etc. and disposing of surplus excavated soil as directed within a lead of 50m.				
a)	2.10.1	All kinds of soil				
	2.10.1.2	Pipes, cables etc. exceeding 80mm dia but not exceeding 300mm dia	Mtr	60.00	165.60	9936.00
43	2.25	Filling available excavted earth (excluding rock) in trenches, plinth sides of foundations etc. in layet not exceeding 20 cm in depth consolidation earth deposited layer by ramming and watering lead upto 50m and lift upto 1.5m	cum	20.00	83.80	1676.00
		TOTAL FOR EARTH WORK				16786.00

ABSTRACT OF COST FOR QUARTER TYPE I & III				
SL.NO.	DESCRIPTION		AMOUNT AS PER	
			DSR'2012	MARKET
1	INTERNAL ELECTRICAL,		370269.50	70950.66
	Total		370269.50	70950.66

**NATIONAL BUILDINGS CONSTRUCTION CORPORATION LIMITED
COUNSULTANCY DIVISION**

**NAME OF PROJECT :CONSTRUCTION WORK OF NEILET, AGARTALA
NAME OF WORK : PROVIDING INTERNAL ELECTRICAL INSTALLATIONS IN TYPE -I QTRs AT NEILET, AGARTALA**

SL.NO.	DSR NO.	DESCRIPTION	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
(A):	SCHEDULE ITEMS					
1	1.10	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FR PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FR PVC insulated copper conductor single core cable etc as required.				
a)	1.10.1	Group A	Point	32	462.00	14784.00
2	1.11	Wiring for twin control light point with 1.5 sq.mm FR PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, 2 way modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FR PVC insulated copper conductor single core cable etc as required.	Point	2	710.00	1420.00
3	1.12	Wiring for light/power plug with 2x4 Sq.mm FR PVC insulated, copper conductor, single core cable in surface/recessed PVC conduit alongwith 1 No. 4 Sq.mm FR PVC insulated copper conductor single core cable for loop earthing as required.	Metre	126	162.00	20412.00
4	1.13	Wiring for light/power plug with 4x4 Sq.mm FR PVC insulated, copper conductor, single core cable in surface/recessed PVC conduit alongwith 2 Nos. 4 Sq.mm FR PVC insulated copper conductor single core cable for loop earthing as required.	Metre	54	268.00	14472.00
5	1.14	Wiring for circuit/sub main wiring alongwith earth wire with the following sizes of PVC insulated copper conductor, single core cable in surface/recessed PVC conduit as required.				
a)	1.14.1	2x1.5 Sqmm + 1x1.5 Sq.mm (For circuit wiring)	Metre	160	107.00	17120.00
b)	1.14.4	2x6 Sqmm + 1x6 Sq.mm (For A/C wiring)	Metre	40	206.00	8240.00
c)	1.14.11	4x10 Sqmm + 2x10 Sq.mm (For sub-main wiring)	Metre	40	562.00	22480.00
6	1.19	Supplying & drawing co-axial TV cable RG-6 grade, 0.7mm solid copper conductor PE insulated, shielded with fine tinned copper braid and protected with PVC sheathed in the existing surface/recessed steel/PVC conduit as required.	Metre	30	22.00	660.00

SL.NO.	DSR NO.	DESCRIPTION	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
7	1.20	Supplying and fixing of following sizes of steel conduit along with accessories in surface/recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required.				
a)	1.20.1	20 mm	Metre	22	123.00	2706.00
b)	1.20.2	25 mm	Metre	10	143.00	1430.00
8	1.22	Supplying and fixing metal box of following sizes (nominal size) on surface or in recess with suitable size phenolic laminated sheet cover in front including painting etc. as required.				
a)	1.22.1	75mm x 75mm x 60mm	Each	4	72.00	288.00
9	1.24	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.				
a)	1.24.7	TV antenna socket outlet	Each	2	93.00	186.00
b)	1.24.8	Bell push	Each	2	98.50	197.00
10	1.25	Supplying and fixing stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	Each	4	322.00	1288.00
11	1.26	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	Each	4	22.00	88.00
12	1.27	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required.				
a)	1.27.1	1 or 2 Module (75mmX75mm)	Each	8	142.00	1136.00
b)	1.27.3	4 Module (125mmX75mm)	Each	4	173.00	692.00
c)	1.27.4	6 Module (200mmX75mm)	Each	4	221.00	884.00
13	1.31	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch, connection etc. as required. (For light plugs to be used in non residential buildings).	Each	2	288.00	576.00
14	1.32	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.	Each	4	366.00	1464.00

SL.NO.	DSR NO.	DESCRIPTION	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
15	1.34	Supplying and fixing brass batten/ angle holder including connection etc. as required.	Each	16	63.00	1008.00
16	1.41	Installation, testing and commissioning of prewired fluorescent fitting/compact fluorescent fitting of all types, complete with all accessories and tubes etc. directly on ceiling/wall including connection 1.5 Sqmm FR PVC insulated, copper conductor, single core cable and earthing etc. as required.	Each	4	69.50	278.00
17	1.44	Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable etc. as required.	Each	4	73.50	294.00
18	1.49	Numbering of ceiling fan/exhaust fan/ fluorescent fittings as required.	Each	10	19.50	195.00
19	1.50	Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required.				
a)	1.50.1	Upto 450 mm sweep	Each	2	163.00	326.00
20	2.3	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar,				
a)	2.3.1	2 + 4 way, Single door	Each	4	473.00	1892.00
21	2.10	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
a)	2.10.1	Single pole	Each	14	141.00	1974.00
22	2.11	Supplying & fixing single pole blanking plate in the existing MCB DB complete etc. as required.	Each	2	5.50	11.00
23	2.14	Supplying and fixing of following rating, double pole, (single phase & neutral), 240 Volts, residual current circuit breaker (RCCB), having a sensitivity current upto 300 mA in the existing MCB DB complete with connections, testing and commissioning as required.				
a)	2.14.1	25 Amps	Each	2	1318.00	2636.00
b)	2.14.2	40 Amps.	Each	2	1394.00	2788.00
24	2.18	Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top alongwith 20 amps "C" curve, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.	Each	2	693.00	1386.00
25	5.2	Earthing with GI earth pipe 4.5 m long, 40mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal / coke and salt as required.	Set	2	3385.00	6770.00

SL.NO.	DSR NO.	DESCRIPTION	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
26	5.9	Supplying and laying 25 mm X 5 mm G.I strip at 0.50 metre below ground as strip earth electrode, including connection/ terminating with nut, bolt, spring, washer etc. as required. (Jointing shall be done by overlapping and with 2 sets of G.I nut bolt & spring washer spaced at 50mm)	Metre	5	97.50	488.00
27	5.18	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing along with existing surface/ recessed conduit/ submain wiring/ cable as required.	Metre	19	19.50	371.00
TOTAL FOR SCHEDULE ITEMS						130940.00
(B) NON-SCHEDULE ITEMS:						
28	NS	Supplying of Ding bell fittings complete with all standard accessories	Each	2	82.76	166.00
29	NS	Supplying of light fittings complete with all standard accessories without starter & T5 Lamp of the following type as required.				
a)		1x28 W Fl. Fitting as per Bajaj Product. No BLPR 128 with lamp or similar specification of other approved makes.	Each	4	1024.14	4096.55
30	NS	Supplying of approved make ceiling fan of double ball bearing of the following sizes with resistance type regulator and its all accessories suitable for operation on 230V single phase, 50 Hz, AC supply complete as required.				
a)		1200mm sweep (USHA/GEC/ CROMPTON/ BAJAJ/HAVELLS)	Each	4	1318.62	5274.00
31	NS	Exhaust Fan of the following sizes and its all accessories suitable for operation on 230V single phase, 50 Hz, AC supply complete as required.				
a)		300 mm sweep (HAVELLS/CROMPTON/ BAJAJ)	Each	2	2026.90	4054.00
32	NS	Supplying, installation, testing & commissioning of Cubical type Compartmentalized meter board made of 1.6 mm thick sheet duly powder coated, integrated loose wire box, complete with Incomer MCCB, Insulated Bus bars, each meter compartment having MCB, space for meter, pre-wired from bus bar connector block (for each quarter), in loose wire box, locking / ceiling arrangement for compartment, bus chamber as required.				
a)		Suitable for set of 2 Quarters	Each	1	15172.41	15172.00
TOTAL FOR NON-SCHEDULE ITEMS (B)						RS. 28762.55

**NATIONAL BUILDINGS CONSTRUCTION CORPORATION LIMITED
CONSULTANCY DIVISION**

**NAME OF PROJECT :CONSTRUCTION WORK OF NEILET, AGARTALA
NAME OF WORK : PROVIDING INTERNAL ELECTRICAL INSTALLATIONS IN TYPE -III QTRs AT NEILET, AGARTALA**

S.NO.	DSR NO.	DESCRIPTION	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
(A): SCHEDULE ITEMS						
1	1.10	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FR PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FR PVC insulated copper conductor single core cable etc as required.				
a)	1.10.1	Group A	Point	58	462.00	26796.00
2	1.11	Wiring for twin control light point with 1.5 sq.mm FR PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, 2 way modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FR PVC insulated copper conductor single core cable etc as required.	Point	2	710.00	1420.00
3	1.12	Wiring for light/power plug with 2x4 Sq.mm FR PVC insulated, copper conductor, single core cable in surface/recessed PVC conduit alongwith 1 No. 4 Sq.mm FR PVC insulated copper conductor single core cable for loop earthing as required.	Metre	252	162.00	40824.00
4	1.13	Wiring for light/power plug with 4x4 Sq.mm FR PVC insulated, copper conductor, single core cable in surface/recessed PVC conduit alongwith 2 Nos. 4 Sq.mm FR PVC insulated copper conductor single core cable for loop earthing as required.	Metre	108	268.00	28944.00
5	1.14	Wiring for circuit/sub main wiring alongwith earth wire with the following sizes of PVC insulated copper conductor, single core cable in surface/recessed PVC conduit as required.				
a)	1.14.1	2x1.5 Sqmm + 1x1.5 Sq.mm (For circuit wiring)	Metre	300	107.00	32100.00
b)	1.14.4	2x6 Sqmm + 1x6 Sq.mm	Metre	50	206.00	10300.00
b)	1.14.5	2 X 10 sq. mm + 1 X 10 sq. mm earth wire	Metre	50	310.00	15500.00
d)	1.14.9	4x6 Sqmm + 2x6 Sq.mm	Metre	50	358.00	17900.00
e)	1.14.11	4x10 Sqmm + 2x10 Sq.mm	Metre	50	562.00	28100.00
6	1.19	Supplying & drawing co-axial TV cable RG-6 grade, 0.7mm solid copper conductor PE insulated, shielded with fine tinned copper braid and protected with PVC sheathed in the existing surface/recessed steel/PVC conduit as required.	Metre	30	22.00	660.00

S.NO.	DSR NO.	DESCRIPTION	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
7	1.21	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.				
a)	1.21.1	20 mm	Metre	25	56.50	1412.50
b)	1.21.2	25 mm	Metre	10	64.50	645.00
8	1.22	Supplying and fixing metal box of following sizes (nominal size) on surface or in recess with suitable size phenolic laminated sheet cover in front including painting etc. as required.				
a)	1.22.1	75mm x 75mm x 60mm	Metre	4	72.00	288.00
9	1.24	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.				
a)	1.24.7	TV antenna socket outlet	Each	2	93.00	186.00
b)	1.24.8	Bell push	Each	2	98.50	197.00
10	1.25	Supplying and fixing stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	Each	8	322.00	2576.00
11	1.26	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	Each	8	22.00	176.00
12	1.27	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required.				
a)	1.27.1	1 or 2 Module (75mmX75mm)	Each	8	142.00	1136.00
b)	1.27.3	4 Module (125mmX75mm)	Each	4	173.00	692.00
c)	1.27.4	6 Module (200mmX75mm)	Each	4	221.00	884.00
13	1.31	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch, connection etc. as required. (For light plugs to be used in non residential buildings).	Each	2	288.00	576.00
14	1.32	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.	Each	8	366.00	2928.00
15	1.34	Supplying and fixing brass batten/ angle holder including connection etc. as required.	Each	26	63.00	1638.00
16	1.41	Installation, testing and commissioning of prewired fluorescent fitting/compact fluorescent fitting of all types, complete with all accessories and tubes etc. directly on ceiling/wall including connection 1.5 Sqmm FR PVC insulated, copper conductor, single core cable and earthing etc. as required.	Each	8	69.50	556.00

S.NO.	DSR NO.	DESCRIPTION	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
17	1.44	Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable etc. as required.	Each	8	73.50	588.00
18	1.49	Numbering of ceiling fan/exhaust fan/ fluorescent fittings as required.	Each	20	19.50	390.00
19	1.50	Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required.				
a)	1.50.1	Upto 450 mm sweep	Each	4	163.00	652.00
20	2.3	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)				
a)	2.3.2	2 + 6 way, Single door	Each	2	513.00	1026.00
b)	2.3.3	2 + 8 way, Single door	Each	2	553.00	1106.00
21	2.10	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
a)	2.10.1	Single pole	Each	24	141.00	3384.00
22	2.11	Supplying & fixing single pole blanking plate in the existing MCB DB complete etc. as required.	Each	4	5.50	22.00
23	2.14	Supplying and fixing of following rating, double pole, (single phase & neutral), 240 Volts, residual current circuit breaker (RCCB), having a sensitivity current upto 300 mA in the existing MCB DB complete with connections, testing and commissioning as required.				
a)	2.14.1	25 Amps	Each	2	1318.00	2636.00
b)	2.14.2	40 Amps.	Each	2	1394.00	2788.00
24	2.18	Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top alongwith 20 amps "C" curve, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.	Each	4	693.00	2772.00
25	5.2	Earthing with GI earth pipe 4.5 m long, 40mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal / coke and salt as required.	Set	2	3385.00	6770.00

S.NO.	DSR NO.	DESCRIPTION	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
26	5.9	Supplying and laying 25 mm X 5 mm G.I strip at 0.50 metre below ground as strip earth electrode, including connection/ terminating with nut, bolt, spring, washer etc. as required. (Jointing shall be done by overlapping and with 2 sets of G.I nut bolt & spring washer spaced at 50mm)	Metre	4	97.50	390.00
27	5.18	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing along with existing surface/ recessed conduit/ submain wiring/ cable as required.	Metre	19	19.50	371.00
TOTAL FOR SCHEDULE ITEMS						239329.50
(B) NON-SCHEDULE ITEMS:						
28	NS	Supplying of Ding bell fittings complete with all standard accessories	Each	2	82.76	166.00
29	NS	Supplying of light fittings complete with all standard accessories without starter & T5 Lamp of the following type as required.				
a)		1x28 W Fl. Fitting as per Bajaj Product. No BLPR 128 with lamp or similar specification of other approved makes.	Each	8	1024.14	8193.10
30	NS	Supplying of approved make ceiling fan of double ball bearing of the following sizes with resistance type regulator and its all accessories suitable for operation on 230V single phase, 50 Hz, AC supply complete as required.				
a)		1200mm sweep (USHA/GEC/ CROMPTON/ BAJAJ/HAVELLS)	Each	8	1318.62	10549.00
31	NS	Exhaust Fan of the following sizes and its all accessories suitable for operation on 230V single phase, 50 Hz, AC supply complete as required.				
a)		300 mm sweep (HAVELLS/CROMPTON/ BAJAJ)	Each	4	2026.90	8108.00
32	NS	Supplying, installation, testing & commissioning of Cubical type Compartmentalized meter board made of 1.6 mm thick sheet duly powder coated, integrated loose wire box, complete with Incomer MCCB, Insulated Bus bars, each meter compartment having MCB, space for meter, pre-wired from bus bar connector block (for each quarter), in loose wire box, locking / ceiling arrangement for compartment, bus chamber as required.				
a)		Suitable for set of 2 Quarters	Each	1	15172.41	15172.00
TOTAL FOR NON-SCHEDULE ITEMS (B)						RS. 42188.10
Gross Amount Type I & Type III Qtrs schedule items (A)						370269.50
Gross Amount Type I & Type III Qtrs Non schedule items (B)						70950.66

**CONSTRUCTION. OF PROPOSED METER ROOM,PANEL ROOM,GUARD ROOM AND SUBSTATION BUILDING FOR NIEL
ABSTRACT OF COST**

CIVIL WORK

SL.NO.	DESCRIPTION		AMOUNT BASED ON		
			DSR-2012 (RS.)	NON SCHEDULED MARKET RATE	
1	CARRIAGE OF MATERIAL		2649.20		
2	EARTH WORK		289247.00		
3	RCC WORK		1976609.80		
4	CONCRETE WORK		283531.40		
4	BRICK WORK		13926.00	605392.00	
5	WOOD WORK		173844.40		
6	STEEL WORK		195249.78		
7	FLOORING WORK		234682.00		
8	ROOFING WORK		59127.80		
9	FINISHING WORK		410211.00		
10	WATER PROOFING WORK		188808.00		
		(A)	3827886.38	605392.00	(B)

**NAME OF THE PROJECT: CONSTRUCTION. OF PROPOSED METER ROOM,PANEL ROOM,GUARD ROOM AND SUBSTATION
BUILDING FOR NIELIT AT AGARTALA,TRIPURA**

CIVIL WORKS						
SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
CARRIAGE OF MATERIALS						
1	1.1.	By mechanical transport including loading, unloading & stacking				
	1.1.1	Lime,moorum,Building rubbish				
a)		1 KM	Cum	40.00	66.23	2649.20
		TOTAL CARRIED OVER TO SUMMARY				2649.20
EARTH WORK:						
2	2.6	Earth work in excavation by mechanical means (Hydraulic excavator/manual means over areas (exceeding 30cm in depth , 1.5m in width as well as 10 sqm on plan) including disposal of excavated earth,lead upto 50m and lift upto 1.5m disposed earth to be levelled and neatly dressed.				
a)	2.6.1	All kinds of soil.	cum	200.00	129.35	25870.00
3	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering lead upto 50 mtrs. and lift upto 1.5 mtr.	cum	450.00	83.80	37710.00
4	2.27	Supplying and filling in plinth with local sand under floors including watering, ramming consolidating and dressing complete.	Cum	100.00	749.30	74930.00
5	2.34	Supplying chemical emulsion in sealed containers including delivery as specified.				
a)	2.34.1	Chlorpyriphos/Lindane Emulsifiable concentrate of 20%.	Ltr.	60.00	185.95	11157.00

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
6	2.35	Diluting and injecting chemical chemical emulsion for POST CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion)				
a)	2.35.3	Treatment of soil under existing floors using chemical emulsion @ one ltr. Per hol, 300mm apart including drilling 12mm diameter holes and plugging with cement mortar 1:2 (1 cement: 2 coarse sand) to match the existing floor.				
i)	2.35.3.1	With Chlorpyriphos /Lindane E C. 20% with 1% concentration.	Sqm	400.00	88.25	35300.00
7	16.3	Supplying and stacking at site:				
a)	16.3.9	Good earth	Cum	400.00	260.70	104280.00
		TOTAL CARRIED OVER TO SUMMARY				289247.00
		CONCRETE WORK:				
8	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level:				
a)	4.1.3	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	cum	4.00	4514.05	18056.20
b)	4.1.6	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)	cum	20.00	3888.20	77764.00
c)	4.1.8	1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)	cum	20.00	3593.30	71866.00
9	4.2	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets etc. upto floor five level, excluding the cost of centering, shuttering and finishing:				
a)	4.2.5	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	cum	8.00	4782.35	38258.80
10	4.11	Providing and laying damp-proof coarse 50mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5 mm nominal size)	Sqm	40.00	254.70	10188.00

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
11	4.12	Extra for providing and mixing water proofing material 'Impermo' or equivalent in cement concrete work @ 1 kg. Per 50 Kg. of cement.	per 50 kg. cement	264.00	35.35	9332.40
12	4.13	Applying a coat of residual petroleum bitumen of penetration 80/100 of approved quality using 1.7 kg. Per Sqm on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in Kerosene oil.	Sqm	40.00	96.65	3866.00
13	4.17	Making Plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 Coarse sand :6 graded stone aggregate 20mm nominal size) over 75 mm bed of dry bricks ballast 40mm nominal size well rammed and consolidated and grouted with fine sand including finishing the top smooth.	Sqm	160.00	338.75	54200.00
		TOTAL CARRIED OVER TO SUMMARY				283531.40
		RCC WORK:				
14	5.9	Centring and shuttering including strutting, propping etc. and removal of form for:				
a)	5.9.1	Foundations, footings, bases of columns etc. for mass concrete.	sqm	180.00	166.90	30042.00
b)	5.9.2	Walls (any thickness) including attached pilasters, butteresses, plinth and string courses etc.	sqm	40.00	285.15	11406.00
c)	5.9.3	Suspended floors, roofs, landings, balconies and access platform.	sqm	220.00	311.20	68464.00
e)	5.9.5	Lintels, beams, plinth beams, girders, bressumers and cantilevers.	sqm	228.00	262.25	59793.00
f)	5.9.6	Columns, Pillars, Piers, Abutments, posts and Struts	sqm	100.00	365.60	36560.00
j)	5.9.16	Edges of slabs and breaks in floors and walls				
k)	5.9.16.1	Under 20 cms wide	Mtr.	100.00	99.45	9945.00
l)	5.9.18	Small surfaces such as cantilever ends, brackets and ends of steps, caps	sqm	40.00	398.35	15934.00
m)	5.9.19	Weather shade, chajjas, corbels etc. including edges.	sqm	80.00	411.10	32888.00

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
15	5.18	Providing precast cement concrete Jali 1:2:4 (1 cement: 2 coarse sand: 4 stone aggregate 6mm nominal size) reinforced with 1.6mm dia mild steel wire including centring & shuttering roughening cleaning, fixing and finishing in cement mortar 1:3 (1 cement: 3 fine sand) etc. complete excluding plastering of the jambs, sills and soffits.				
a)	5.18.1	50mm thick	Sqm	80.00	598.15	47852.00
16	5.22	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete				
a)	5.22.6	Thermo-Mechanically Treated bars	Kg.	6240.00	62.25	388440.00
17	5.22 A	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete				
a)	5.22A.6	Thermo-Mechanically Treated bars	Kg.	9792.00	62.25	609552.00
18	5.33	Providing and laying in position machine batched, machine mixed and machine vibrated design mix cement concrete of specified grade for reinforced cement concrete work including pumping of concrete to site of laying but excluding the cost of centring, shuttering, finishing and reinforcement-including admixture in recommended proportions as per IS:9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge.				
		Note-cement content considered in this item is @330kg/cum. Excess/less cement used as per design mix is payable /recoverable separately).				
a)	5.33.1	All works upto plinth level	Cum	52.00	5242.15	272591.80
b)	5.33.2	All works above plinth level upto floor five level	Cum	68.00	5781.50	393142.00
		TOTAL CARRIED OVER TO SUMMARY				1976609.80
		BRICK WORK				
19	6.15	Extra for providing and placing in position 2 Nos. 6 mm dia MS bars at every third course of half brick masonry (with FPS bricks)	Sqm	220.00	63.30	13926.00
		TOTAL CARRIED OVER TO SUMMARY				13926.00

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
		NON-SCHEDULE ITEM:				
20	NS	Brick work with FPS bricks of class designation 100 in foundation & plinth in:				
		Cement mortar 1:6 (1 cement: 6 coarse sand)	Cum	40.00	3964.20	158568.00
21	NS	Brick work with F.P.S. bricks of class designation 100 in superstructure above plinth level up to floor V level in all shapes and sizes in:				
		Cement mortar 1:6 (1 cement: 6 coarse sand)	Cum	80.00	4160.34	332827.59
22	N.S	125mm brick masonry with FPS bricks of class designation 100 in supersructure above plinth in level upto floor V level				
		Cement mortar 1:4 (1 cement: 4 coarse sand)	Sqm	220.00	518.17	113996.41
TOTAL CARRIED OVER TO SUMMARY						605392.00
		WOOD WORK:				
23	9.20	Providing and fixing ISI marked flush door shutters conforming to IS:2202 (Part-I) decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters.				
a)	9.20.1	35 mm thick including ISI marked stainless steel butt hinges with necessary screws.	Sqm	40.00	2159.05	86362.00
24	9.48	Providing and fixing MS grills of required pattern in frames of windows etc. with MS flats, square or round bars etc. all complete				
a)	9.48.2	Fixed to opening /wooden frames	Kg.	300.00	98.20	29460.00
25	9.96	Providing and fixing aluminium sliding door bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS: 1868) transparent or dyed to required colour or shade with nuts and screws etc. complete:				
a)	9.96.1	300 x 16 mm	Each	32.00	203.80	6521.60
b)	9.96.2	250 x 16 mm	Each	32.00	168.95	5406.40

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
26	9.97	Providing and fixing aluminium tower bolt ISI marked anodised (anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour or shade with necessary screws etc. complete:				
a)	9.97.1	300x10 mm	Each	48.00	100.40	4819.20
b)	9.97.2	250x10 mm	Each	48.00	86.45	4149.60
c)	9.97.4	150x10 mm	Each	40.00	59.00	2360.00
27	9.83	Providing & fixing IS:3564 marked aluminium Die cast body tubular type universal hydraulic door closer with necessary accessories and screws etc. complete	Each	24.00	610.60	14654.40
28	9.100	Providing and fixing aluminium handles ISI marked anodised (anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour or shade with necessary screws etc. complete:				
a)	9.100.1	125 mm	Each	48.00	62.50	3000.00
b)	9.100.2	100 mm	Each	48.00	49.55	2378.40
29	9.101	Providing and fixing aluminium hanging floor door stopper ISI marked anodised (anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour or shade with necessary screws etc. complete:				
a)	9.101.2	Twin rubber stopper	Each	48.00	71.55	3434.40
30	9.103	Providing & fixing bright finished brass 100 mm mortice latch & lock ISI marked with 6 levers and a pair of anodised(anodic coating not less than grade AC 10 as per IS :1868) aluminium lever handles with necessary screws etc. complete (Best make of approved quality)	Each	16.00	706.15	11298.40
		TOTAL CARRIED OVER TO SUMMARY				173844.40

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
	STEEL WORK					
31	10.5	Providing and fixing 1mm thick MS sheet door with frame of 40x40x6mm angle iron and 3mm MS gusset plates at the junctions and corners, all				
a)	10.5.1	Using MS angle 40x40x6mm for diagonal braces.	Sqm	8.40	2551.45	21432.18
32	10.11	Providing & fixing factory made ISI marked steel glazed doors, windows and ventilators side/top/central hung with beading and all members such as K11B and K12B etc. complete of standard rolled steel sections, joints mitred and flash butt welded and sash bars tenoned and riveted with 15x3mm lugs, 10cm long, embedded in cement concrete blocks 15x10x10cm of 1:3:6 (1 cement: 3 coarse sand: 6 graded stone aggregate 20mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with fixing clips or with bolts and nuts as required, including providing and fixing of hinges, pivots, float glass panes with glazing clips and special metal sash putty of approved make and a priming coat of approved steel primer, excluding the cost of metal beading and other fittings except necessary hinges or pivots complete as per approved design.	Kg.	160.00	96.30	15408.00
33	10.13	Providing & fixing T-iron frames for doors, windows & ventilators of mild steel T-sections, joints mitred and welded with 15x3 mm lugs, 10 cm long, embedded in cement concrete blocks 15x10x10 cm of 1:3:6 (1 cement: 3 coarse sand: 6 graded stone aggr. 20 mm nominal size) or with wooden plugs & screws or rawl plugs and screws or with dash fasteners or with fixing clips or with bolts and nuts as required, including fixing of necessary butt hinges & screws and applying a priming coat of approved steel primer.	Kg.	240.00	73.30	17592.00
34	10.25	Steel work welded in built up sections/framed work including cutting hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required				
a)	10.25.2	In gratings, frames, guard bar, ladders, railings, brackets, gates & similar works	Kg.	800.00	77.90	62320.00

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
35	10.18	Providing and fixing circular/hexagonal cast iron or MS sheet box for ceiling fan clamp of internal dia 140mm, 73mm height, top lid of 1.5mm thick M.S. sheet with its top surface hacked for proper bonding, top lid shall be screwed into the cast iron/ MS box by means of 3.3mm dia round headed screws, one lock at the corners. Clamps shall be made of 12mm dia M.S. bar bent to shape as per standard drawing.	Each	32.00	117.45	3758.40
a)	10.26	Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing & staircase railing including applying a priming coat of approved steel primer.				
i)	10.26.1	MS tube	Kg.	400.00	86.45	34580.00
36	10.30	Providing and fixing glass panes with putty and glazing clips in steel doors , windows, celerestory windows, all complete with.				
a)	10.3.2	5.5 mm thick glass	sqm	48.00	836.65	40159.20
		TOTAL CARRIED OVER TO SUMMARY				195249.78
		FLOORING WORK				
37	11.4	52 mm thick cement concrete flooring with concrete hardener topping under layer 40 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand: 4 graded stone aggregate 20 nominal size) and top layer 12 mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix: 2 stone aggregate 6 mm nominal size) by volume hardening compound is mixed @ 2 Ltrs per 50 kg. of cement or as per manufacturer specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete	Sqm	240.00	420.50	100920.00
38	11.6	Cement plaster skirting (upto 30 cm height) with cement mortar 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement.				
a)	11.6.1	18 mm thick	Sqm.	100.00	258.20	25820.00
39	11.13	Providing & fixing glass strips in joints of terrazo/cement concrete floors.				
a)	11.13.1	40 mm wide and 4 mm thick	Mtr.	40.00	29.40	1176.00

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
40	11.16	Precast terrazo tiles 22 mm thick with graded marble chips of size upto 12 mm laid in floors, and landings, jointed with neat cement slurry mixed with pigment to match the shade of the tiles including rubbing and polishing complete with precast tiles on 20 mm thick bed of cement mortar 1:4 (1 cement: 4 coarse sand)				
a)	11.16.1	Light shade using white cement	Sqm	40.00	769.35	30774.00
41	11.26	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete with base of cement mortar 1:4 (1 cement: 4 coarse sand)				
a)	11.26.1	25 mm thick	Sqm	40.00	945.70	37828.00
42	11.27	Kota stone slab 25 mm thick in risers of steps, skirting dado and pillars laid on 12 mm(average) thick cement mortar 1:3 (1 cement : 3 coarse sand) & jointed with grey cement slurry mixed with pigment to match the shade of the slabs including rubbing and polishing complete.	Sqm	40.00	954.10	38164.00
		TOTAL CARRIED OVER TO SUMMARY				234682.00
		ROOFING WORK				
43	12.21	Providing gola 75x75mm in cement concrete 1:2:4 (1 cement: 2 coarse sand: 4 stone aggregate 10mm and down gauge) including finishing with cement mortar 1:3 (1 cement: 3 fine sand) as per standard design:				
a)	12.21.1	In 75x75mm deep chase	Mtr.	80.00	109.05	8724.00

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
44	12.22	Making khuras 45x45cm with average minmum thickness of 5cm cement concrete 1:2:4 (1 cement :2 coarse sand: 4 graded stone aggregate of 20 mm nominal size) over PVC sheet 1m x 1m x 400micron, finished with 12mm cement plaster 1:3 (1cement: 3 coarse sand) and a coat of neat cement rounding of the edges and making and finishing the outlet complete.	Each	20.00	148.75	2975.00
45	12.38	Providing and fixing MS holder bat clamps of approved design to C.I. or S.C.I. rain water pipes embedded in and including cement concrete blocks 10 x 10 x 10 cm of 1:2:4 mix (1 cement:2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and cost of cutting holes and making good the walls etc.				
a)	12.38.2	For 150 mm dia pipe	Each	24.00	121.80	2923.20
46	12.39	Providing lead caulked joints to sand cast iron rain water pipes and fittings:				
a)	12.39.2	For 150 mm dia pipe	Each	24.00	287.10	6890.40
47	12.40	Providing and fixing on wall face unplasticised-Rigid PVC rain water pipes conforming to IS:13592 Type A including jointing with seal ring conforming to IS:5382 leaving to 10mm gap for thermal expansion. (i) Single socketed pipes:				
a)	12.40.1.1	150mm diameter	Mtrs	48.00	407.85	19576.80
48	12.42	Providing and fixing on wall face unplasticised- PVC moulded fittings/accessories for unplasticised-Rigid PVC rain water pipes conforming to IS:13592 Type A including jointing with seal ring conforming to IS:5382 leaving to 10mm gap for thermal expansion.				
a)	12.42.1	Coupler				
i)	12.42.1.2	110mm	Each	24.00	130.25	3126.00
b)	12.42.5	Bend 87.5"				
i)	12.42.5.2	110mm bend	Each	24.00	156.95	3766.80
c)	12.42.6	Shoe (plain)				
i)	12.42.6.2	110mm shoe	Each	24.00	287.05	6889.20

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
49	12.43	Providing and fixing unplasticised- PVC pipe clips of approved design to unplasticised-PVC rain water pipes by means of 50x50x50mm hard wood plugs, screwed with MS screws of required length including cutting brick work and fixing in cement mortar 1:4 (1 cement:4 coarse sand) and making good the walls etc. complete.				
a)	12.43.2	110mm	Each	24.00	144.60	3470.40
50	12.44	Providing & fixing to the inlet mouth of rain water pipe cast iron grating 15cm diameter and weighing not less than 440 gms.	Each	24.00	32.75	786.00
		TOTAL CARRIED OVER TO SUMMARY				59127.80
	FINISHING:					
51	13.4	12mm cement plaster of mix :				
a)	13.4.2	1:6 (1 cement : 6 coarse sand)	Sqm	600.00	112.50	67500.00
52	13.7	12mm cement plaster finished with a floating coat of neat cement of mix :				
a)	13.7.1	1:4 (1 cement : 4 fine sand)	Sqm	40.00	107.80	4312.00
53	13.12	18 mm cement plaster in two coats under layer 12mm thick cement plaster 1:5 (1 cement : 5 coarse sand) and a top layer 6mm thick cement plaster 1:3 (1 cement: 3 coarse sand) finished rough with sponge.	Sqm	120.00	123.50	14820.00
54	13.5	15mm cement plaster on rough side of single or half brick wall of mix:				
a)	13.5.2	1:6 (1 cement : 6 Coarse sand)	Sqm	520.00	130.20	67704.00
55	13.16	6 mm cement plaster to ceiling of mix :				
a)	13.16.1	1:3 (1 cement : 3 fine sand)	Sqm.	220.00	101.00	22220.00
56	13.26	Providing and applying plaster of paris putty of 2mm thickness over plastered surface to prepare the surface even and smooth complete.	Sqm.	1280.00	83.80	107264.00
57	13.37	White washing with lime to give an even shade				
a)	13.37.1	New work (three or more coats)	Sqm.	600.00	11.75	7050.00
58	13.41	Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade.				
a)	13.41.1	New work (two or more coats) over and including priming coat with cement primer	Sqm	400.00	66.70	26680.00

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
59	13.47	Finishing walls with Premium Acrylic Smooth exterior paint with "Silicone additives of required shade				
a)	13.47.1	New work (two or more coats applied @1.43 ltr/10 sqm over and including base coat of water proofing cement paint applied @2.20kg/10sqm)	Sqm	400.00	80.45	32180.00
60	13.60	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade :				
a)	13.60.1	Two or more coats on new work	Sqm	400.00	60.25	24100.00
61	13.50	Applying priming coat:				
a)	13.50.1	With ready mixed pink or grey primer of approved brand and manufacturer on wood work (hard & soft wood)	sqm	600.00	25.85	15510.00
a)	13.61	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :				
b)	13.61.1	Two or more coats on new work	Sqm	200.00	53.85	10770.00
62	13.76	Forming groove of uniform size from 12x12mm and 25x15mm in plastered surface as per approved pattern using wooden battens, nailed to the under layer including removal of wooden battens, repair to the edges of panel and finishing the groove complete as per specifications and direction of the Engineer-In-Charge.	Mtr.	140.00	72.15	10101.00
		TOTAL CARRIED OVER TO SUMMARY				410211.00

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
		WATER PROOFING:				
63	22.7	Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces condisting of following operations: a) Applying and grouting a slurry coat of neat cement using 2.75 kg./Sqm of cement admixed with water proofing compound conforming to IS:2645 and approved by Engineer-In-Charge over the RCC slab including adjoining walls upto 300mm height including cleaning the surface before treatment. b) Laying brick bats with mortar using broken bricks/brick bats 25mm to 115mm size with 50% of cement mortar 1:5 (1cement : 5 coarse sand) admixed with water proofing cement compound conforming to IS:2645 and approved by Engineer-In-Charge over 20mm thick layer of cement mortar of mix 1:5 (1 cement: 5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by the Engineer-In-Charge to required slope & treating similarly the adjoining walls upto 300 mm height including rounding of junctions of walls and slabs.				
		c) After two days of proper curing applying a second coat of cement slurry using 2.75 kg./sqm of cement admixed with water proofing comopound conforming to IS:2645 and approved by the Engineer-In-Charge. d) Finishing the surface with 20mm thick jointless cement mortar of mix 1:4 (1 cement : 4 coarse sand) admixed with water proofing compound conforing to IS:2645 and approved by the Engineer-In-charge including laying glass fibre cloth of approved quality in top layer of plaster and finally finishing the surface with trowel with neat cement slurry and making pattern of 300mmx 300mm square. e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test. All above operations to be done in order and as directed and specified by the Engineer-In-Charge.				
a)	22.7.1	With average thickness of 120mm and minimum thickness at khurra as 65mm.	Sqm	240.00	786.70	188808.00
		TOTAL CARRIED OVER TO SUMMARY				188808.00

NATIONAL BUILDINGS CONSTRUCTION CORPORATION LIMITED

"CONSULTANCY DIVISION"

NAME OF THE PROJECT: CONSTRUCTION. OF PROPOSED WORKSHOP FOR NIELIT AT AGARTALA,TRIPURA

GENERAL ABSTRACT OF COST

S.NO.	DESCRIPTION		ESTIMATED COST AS PER DSR 2012 (RS.)	AS PER MARKET RATE (RS.)		
1.0	CIVIL WORK MAIN BUILDING		1638327.15	883331.17		
2.0	INTERNAL ELECTRICAL WORK,		161034.00	76251.24		
	TOTAL		1799361.15	959582.41		

**NAME OF THE PROJECT: CONSTRUCTION. OF PROPOSED WORKSHOP FOR NIELIT AT AGARTALA,TRIPURA
ABSTRACT OF COST**

SL.NO.	DESCRIPTION		AMOUNT BASED ON		
			DSR-2012 (RS.)	NON SCHEDULED MARKET RATE	
1	CARRIAGE OF MATERIAL		662.30		
2	EARTH WORK		265691.25		
3	CONCRETE WORK		115082.25		
4	RCC WORK		470543.50		
5	BRICK WORK			680572.55	
6	MARBLE WORK		46879.00		
7	WOOD WORK		12111.65		
8	STEEL WORK		536780.20		
9	FLOORING WORK		97136.50		
10	ROOFING WORK			202758.62	
11	FINISHING WORK		93440.50		
		(A)	1638327.15	883331.17	(B)

NAME OF THE PROJECT: CONSTRUCTION. OF PROPOSED WORKSHOP FOR NIELIT AT AGARTALA,TRIPURA

CIVIL WORKS						
SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
CARRIAGE OF MATERIALS						
1	1.1.	By mechanical transport including loading, unloading & stacking				
	1.1.1	Lime,moorum,Building rubbish				
a)		1 KM	Cum	10.00	66.23	662.30
		TOTAL CARRIED OVER TO SUMMARY				662.30
EARTH WORK:						
2	2.6	Earth work in excavation by mechanical means (Hydraulic excavator/manual means over areas (exceeding 30cm in depth , 1.5m in width as well as 10 sqm on plan) including disposal of excavated earth,lead upto 50m and lift upto 1.5m disposed earth to be levelled and neatly dressed.				
a)	2.6.1	All kinds of soil.	cum	25.00	129.35	3233.75
3	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering lead upto 50 mtrs. and lift upto 1.5 mtr.	cum	525.00	83.80	43995.00
4	2.27	Supplying and filling in plinth with local sand under floors including watering, ramming consolidating and dressing complete.	Cum	90.00	749.30	67437.00
5	2.34	Supplying chemical emulsion in sealed containers including delivery as specified.				
a)	2.34.1	Chlorpyriphos/Lindane Emulsifiable concentrate of 20%.	Ltr.	40.00	185.95	7438.00
6	2.35	Diluting and injecting chemical chemical emulsion for POST CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion)				

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
a)	2.35.3	Treatment of soil under existing floors using chemical emulsion @ one ltr. Per hol, 300mm apart including drilling 12mm diameter holes and plugging with cement mortar 1:2 (1 cement: 2 coarse sand) to match the existing floor.				
i)	2.35.3.1	With Chlorpyriphos /Lindane E C. 20% with 1% concentration.	Sqm	150.00	88.25	13237.50
7	16.3	Supplying and stacking at site:				
a)	16.3.9	Good earth	Cum	500.00	260.70	130350.00
		TOTAL CARRIED OVER TO SUMMARY				265691.25
		CONCRETE WORK:				
8	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level:				
b)	4.1.6	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)	cum	22.00	3888.20	85540.40
c)	4.1.8	1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)	cum	2.00	3593.30	7186.60
9	4.11	Providing and laying damp-proof coarse 50mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5 mm nominal size)	Sqm	15.00	254.70	3820.50
10	4.12	Extra for providing and mixing water proofing material 'Impermo' or equivalent in cement concrete work @ 1 kg. Per 50 Kg. of cement.	per 50 kg. cement	100.00	35.35	3535.00
11	4.13	Applying a coat of residual petroleum bitumen of penetration 80/100 of approved quality using 1.7 kg. Per Sqm on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in Kerosene oil.	Sqm	15.00	96.65	1449.75
12	4.17	Making Plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 Coarse sand :6 graded stone aggregate 20mm nominal size) over 75 mm bed of dry bricks ballast 40mm nominal size well rammed and consolidated and grouted with fine sand including finishing the top smooth.	Sqm	40.00	338.75	13550.00
		TOTAL CARRIED OVER TO SUMMARY				115082.25

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
	RCC WORK:					
13	5.9	Centring and shuttering including strutting, propping etc. and removal of form for:				
a)	5.9.1	Foundations, footings, bases of columns etc. for mass concrete.	sqm	175.00	166.90	29207.50
e)	5.9.5	Lintels, beams, plinth beams, girders, bressumers and cantilevers.	sqm	60.00	262.25	15735.00
14	5.22	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete				
a)	5.22.6	Thermo-Mechanically Treated bars	Kg.	3600.00	62.25	224100.00
15	5.22 A	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete				
a)	5.22A.6	Thermo-Mechanically Treated bars	Kg.	432.00	62.25	26892.00
16	5.33	Providing and laying in position machine batched, machine mixed and machine vibrated design mix cement concrete of specified grade for reinforced cement concrete work including pumping of concrete to site of laying but excluding the cost of centring, shuttering, finishing and reinforcement-including admixture in recommended proportions as per IS:9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge.				
		Note-cement content considered in this item is @330kg/cum. Excess/less cement used as per design mix is payable /recoverable separately).				
a)	5.33.1	All works upto plinth level	Cum	30.00	5242.15	157264.50
b)	5.33.2	All works above plinth level upto floor five level	Cum	3.00	5781.50	17344.50
		TOTAL CARRIED OVER TO SUMMARY				470543.50

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
		BRICK WORK				
		NON-SCHEDULE ITEM:				
17	NS	Brick work with FPS bricks of class designation 100 in foundation & plinth in:				
a)		Cement mortar 1:6 (1 cement: 6 coarse sand)	Cum	30.00	3964.2	118926.00
18	NS	Brick work with F.P.S. bricks of class designation 100 in superstructure above plinth level up to floor V level in all shapes and sizes in:				
a)		Cement mortar 1:6 (1 cement: 6 coarse sand)	Cum	135.00	4160.34	561646.55
TOTAL CARRIED OVER TO SUMMARY						680572.55
		MARBLE WORK:				
19	8.2	Providing and fixing 18mm thick gang saw cut mirror (polished premoulded and prepolished) machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size of approved shade, colour and texture laid over 20mm thick base cement mortar 1:4 (1 cement: 4 coarse sand) with joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing curing, moulding and polishing to edge to give high gloss finish etc. complete at all levels.				
a)	8.2.1	White marble - Raj Nagar plain /udaipur green marble /zebra black marble				
i)	8.2.1.2	Area of slab over 0.50 Sqm	Sqm	10.00	1980.80	19808.00
b)	8.2.2	Granite of any colour and shade				
i)	8.2.2.2	Area of slab over 0.50 Sqm	Sqm	7.00	3083.40	21583.80
20	8.3	Extra for providing edge moulding to 18mm thick marble stone counters, Vanities etc. Including machine polishing to edge to give high gloss finish etc. Complete as per design approved by Engineer-in-Charge.				
a)	8.3.1	Marble work.	Mtr.	20.00	105.70	2114.00
21	8.5	Extra for providing opening of required size & shape for wash basins / kitchen sink in kitchen platform, vanity counters and similar location in marble / Granite / stone work including necessary holes for pillar taps etc. Including rubbing and polishing necessary etc. complete.	Each	12.00	281.10	3373.20
TOTAL CARRIED OVER TO SUMMARY						46879.00

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
	WOOD WORK:					
22	9.20	Providing and fixing ISI marked flush door shutters conforming to IS:2202 (Part-I) decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters.		.		
a)	9.20.1	35 mm thick including ISI marked stainless steel butt hinges with necessary screws.	Sqm	4.00	2159.05	8636.20
23	9.96	Providing and fixing aluminium sliding door bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS: 1868) transparent or dyed to required colour or shade with nuts and screws etc. complete:				
a)	9.96.1	300 x 16 mm	Each	2.00	203.80	407.60
24	9.97	Providing and fixing aluminium tower bolt ISI marked anodised (anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour or shade with necessary screws etc. complete:				
a)	9.97.1	300x10 mm	Each	4.00	100.40	401.60
b)	9.97.2	250x10 mm	Each	4.00	86.45	345.80
c)	9.97.4	150x10 mm	Each	0.00	59.00	0.00
25	9.83	Providing & fixing IS:3564 marked aluminium Die cast body tubular type universal hydraulic door closer with necessary accessories and screws etc. complete	Each	2.00	610.60	1221.20
26	9.100	Providing and fixing aluminium handles ISI marked anodised (anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour or shade with necessary screws etc. complete:				
a)	9.100.1	125 mm	Each	4.00	62.50	250.00

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
27	9.101	Providing and fixing aluminium hanging floor door stopper ISI marked anodised (anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour or shade with necessary screws etc. complete:				
a)	9.101.2	Twin rubber stopper	Each	2.00	71.55	143.10
28	9.103	Providing & fixing bright finished brass 100 mm mortice latch & lock ISI marked with 6 levers and a pair of anodised(anodic coating not less than grade AC 10 as per IS :1868) aluminium lever handles with necessary screws etc. complete (Best make of approved quality)	Each	1.00	706.15	706.15
		TOTAL CARRIED OVER TO SUMMARY				12111.65
		STEEL WORK				
29	10.14	Providing and fixing pressed steel door frames conforming to IS:4351 manufactured from commercial mild steel sheet of 1.25 mm thickness including hinges, jamb, lock jamb, bead and if required angle threshold of mild steel angle of section 50x 25 mm, or base ties of 1.25 mm pressed mild steel welded or rigidly fixed together by mechanical means, adjustable lugs with split end tail to each jamb including steel butt hinges 2.5 mm thick with mortar guards, lock strike-plate and shock absorbers as specified and applying a coat of approved steel primer after pre-treatment of the surface as directed by the Engineer-in-charge				
a)	10.14.1	Profile B				
i)	10.14.1.1	Fixing with adjustable lugs with split end tail to each jamb	Mtr	6.00	346.75	2080.50
30	10.2	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete:	Kg.	7900.00	66.50	525350.00
31	10.18	Providing and fixing circular/hexagonal cast iron or MS sheet box for ceiling fan clamp of internal dia 140mm, 73mm height, top lid of 1.5mm thick M.S. sheet with its top surface hacked for proper bonding, top lid shall be screwed into the cast iron/ MS box by means of 3.3mm dia round headed screws, one lock at the corners. Clamps shall be made of 12mm dia M.S. bar bent to shape as per standard drawing.	Each	6.00	117.45	704.70
a)	10.26	Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing & staircase railing including applying a priming coat of approved steel primer.				
i)	10.26.1	MS tube	Kg.	100.00	86.45	8645.00
		TOTAL CARRIED OVER TO SUMMARY				536780.20

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
		FLOORING WORK				
32	11.4	52 mm thick cement concrete flooring with concrete hardener topping under layer 40 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand: 4 graded stone aggregate 20 nominal size) and top layer 12 mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix: 2 stone aggregate 6 mm nominal size) by volume hardening compound is mixed @ 2 Ltrs per 50 kg. of cement or as per manufacturer specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete	Sqm	200.00	420.50	84100.00
33	11.6	Cement plaster skirting (upto 30 cm height) with cement mortar 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement.				
a)	11.6.1	18 mm thick	Sqm.	15.00	258.20	3873.00
34	11.13	Providing & fixing glass strips in joints of terrazo/cement concrete floors.				
a)	11.13.1	40 mm wide and 4 mm thick	Mtr.	50.00	29.40	1470.00
35	11.16	Precast terrazo tiles 22 mm thick with graded marble chips of size upto 12 mm laid in floors, and landings, jointed with neat cement slurry mixed with pigment to match the shade of the tiles including rubbing and polishing complete with precast tiles on 20 mm thick bed of cement mortar 1:4 (1 cement: 4 coarse sand)				
a)	11.16.1	Light shade using white cement	Sqm	10.00	769.35	7693.50
		TOTAL CARRIED OVER TO SUMMARY				97136.50
		ROOFING WORK				
		NON-SCHEDULE ITEM:				
36	NS	Providing and fixing polycarbonate sheet of imm thickness approved quality with all accesories such as ridges, gutters, valleys, flashings 500mm width made as pers specifications above with colour coating and guard film fitted with self drilling, self tapping screws all fitted with EEDP washers all to be fitted to the structural steel to achieve proper profile as per drawings specifications and directions of the Engineer.	Sqm	245.00	827.59	202758.62
		TOTAL CARRIED OVER TO SUMMARY				202758.62

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
	FINISHING:					
37	13.4	12mm cement plaster of mix :				
a)	13.4.2	1:6 (1 cement : 6 coarse sand)	Sqm	150.00	112.50	16875.00
38	13.5	15mm cement plaster on rough side of single or half brick wall of mix:				
a)	13.5.2	1:6 (1 cement : 6 Coarse sand)	Sqm	160.00	130.20	20832.00
39	13.41	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade.				
a)	13.41.1	New work (two or more coats) over and including priming coat with cement primer	Sqm	160.00	66.70	10672.00
40	13.47	Finishing walls with Premium Acrylic Smooth exterior paint with "Silicone additives of required shade				
a)	13.47.1	New work (two or more coats applied @1.43 ltr/10 sqm over and including base coat of water proofing cement paint applied @2.20kg/10sqm)	Sqm	150.00	80.45	12067.50
a)	13.61	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :				
b)	13.61.1	Two or more coats on new work	Sqm	150.00	53.85	8077.50
41	18.12	Providing and fixing GI pipes complete with G.I fittings including trenching and refilling etc				
		External work				
	18.12.6	50 mmdia nominal bore	meter	70.00	355.95	24916.50
		TOTAL CARRIED OVER TO SUMMARY				93440.50

**NATIONAL BUILDINGS CONSTRUCTION CORPORATION LIMITED
COUNSULTANCY DIVISION**

**NAME OF PROJECT :CONSTRUCTION WORK OF NEILET, AGARTALA
NAME OF WORK : PROVIDING INTERNAL ELECTRICAL INSTALLATIONS IN WORK SHOP AT NEILET, AGARTALA**

S.NO.	DSR NO.	DESCRIPTION	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
(A):	SCHEDULE ITEMS					
1	1.10	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FR PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FR PVC insulated copper conductor single core cable etc as required.				
a)	1.10.3	Group C	Point	31	664.00	20584.00
2	1.12	Wiring for light/power plug with 2x4 Sq.mm FR PVC insulated, copper conductor, single core cable in surface/recessed PVC conduit alongwith 1 No. 4 Sq.mm FR PVC insulated copper conductor single core cable for loop earthing as required.	Metre	308	162.00	49896.00
3	1.13	Wiring for light/power plug with 4x4 Sq.mm FR PVC insulated, copper conductor, single core cable in surface/recessed PVC conduit alongwith 2 Nos. 4 Sq.mm FR PVC insulated copper conductor single core cable for loop earthing as required.	Metre	132	268.00	35376.00
4	1.14	Wiring for circuit/sub main wiring alongwith earth wire with the following sizes of PVC insulated copper conductor, single core cable in surface/recessed PVC conduit as required.				
a)	1.14.1	2x1.5 Sqmm + 1x1.5 Sq.mm (For circuit wiring)	Metre	207	107.00	22149.00
b)	1.14.4	2x6 Sqmm + 1x6 Sq.mm	Metre		206.00	0.00
b)	1.14.5	2 X 10 sq. mm + 1 X 10 sq. mm earth wire	Metre		310.00	0.00
d)	1.14.9	4x6 Sqmm + 2x6 Sq.mm	Metre		358.00	0.00
e)	1.14.11	4x10 Sqmm + 2x10 Sq.mm	Metre		562.00	0.00
5	1.25	Supplying and fixing stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	Each	12	322.00	3864.00
6	1.26	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	Each	4	22.00	88.00

S.NO.	DSR NO.	DESCRIPTION	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
7	1.27	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required.				
a)	1.27.3	4 Module (125mmX75mm)	Each	2	173.00	346.00
b)	1.27.4	6 Module (200mmX75mm)	Each	2	221.00	442.00
8	1.32	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.	Each	11	366.00	4026.00
9	1.41	Installation, testing and commissioning of prewired fluorescent fitting/compact fluorescent fitting of all types, complete with all accessories and tubes etc. directly on ceiling/wall including connection 1.5 Sqmm FR PVC insulated, copper conductor, single core cable and earthing etc. as required.	Each	4	69.50	278.00
10	1.42	Installation, testing and commissioning of pre-wired, fluorescent fitting / compact fluorescent fitting of all types, complete with all accessories and tube etc., including supplying and fixing ball and socket arrangement, 2 no. down rods of 20 mm dia X 1.6 mm thick steel conduit upto 30 cm length, painting and wiring the down rods and connection with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable and earthing etc. as required.	Each	15	195.00	2925.00
11	1.44	Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable etc. as required.	Each	12	73.50	882.00
12	1.49	Numbering of ceiling fan/exhaust fan/ fluorescent fittings as required.	Each	31	19.50	605.00
13	2.13	Supplying and fixing following rating, four pole, 415 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
a)	2.13.2	63 amps	Each	1	563.00	563.00
14	2.3	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)				
a)	2.3.3	2 + 8 way, Single door	Each	1	553.00	553.00
b)	2.3.4	2 + 12 way, Single door	Each	1	696.00	696.00

S.NO.	DSR NO.	DESCRIPTION	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
15	2.5	Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 volts, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 amps tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCB's (but without MCB's and incomer) as required . (Note : Vertical type MCB TPDB is normally used where 3				
a)	2.5.1	4 way (4 + 12), Single door	Each	1	2691.00	2691.00
16	2.10	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
a)	2.10.1	Single pole	Each	18	141.00	2538.00
b)	2.10.2	Single pole and neutral	Each	2	367.00	734.00
c)	2.10.5	Triple pole and neutral	Each	2	723.00	1446.00
17	2.11	Supplying & fixing single pole blanking plate in the existing MCB DB complete etc. as required.	Each	2	5.50	11.00
18	2.14	Supplying and fixing of following rating, double pole, (single phase & neutral), 240 Volts, residual current circuit breaker (RCCB), having a sensitivity current upto 300 mA in the existing MCB DB complete with connections, testing and commissioning as required.				
a)	2.14.1	25 Amps	Each	1	1318.00	1318.00
b)	2.14.2	40 Amps.	Each	1	1394.00	1394.00
19	5.2	Earthing with GI earth pipe 4.5 m long, 40mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal / coke and salt as required.	Set	2	3385.00	6770.00
20	5.9	Supplying and laying 25 mm X 5 mm G.I strip at 0.50 metre below ground as strip earth electrode, including connection/ terminating with nut, bolt, spring, washer etc. as required. (Jointing shall be done by overlapping and with 2 sets of G.I nut bolt & spring washer spaced at 50mm)	Metre	5.00	97.50	488.00
21	5.18	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing along with existing surface/ recessed conduit/ submain wiring/ cable as required.	Metre	19.00	19.50	371.00
TOTAL FOR SCHEDULE ITEMS						161034.00

S.NO.	DSR NO.	DESCRIPTION	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
(B)	NON-SCHEDULE ITEMS:					
22	NS	Supplying of light fittings complete with all standard accessories of the following type as required.				
a)		2x36 W Fl. Fitting (Mirror optics) as per Bajaj Product. No BLMRA 236 TD with lamp or similar specification of other approved makes.	Each	15	3604.83	54072.41
b)		1x28 W Fl. Fitting (Street Light) as per Bajaj Product. No BTSLF 128 T5 with lamp or similar specification of other approved makes.	Each	4	1326.21	5304.83
23	NS	Supplying of approved make ceiling fan of double ball bearing of the following sizes with resistance type regulator and its all accessories suitable for operation on 230V single phase, 50 Hz, AC supply complete as required.				
a)		1400mm sweep (USHA/GEC/ CROMPTON/ BAJAJ/HAVELLS)	Each	12	1406.21	16874.00
TOTAL FOR NON-SCHEDULE ITEMS (B)					RS.	76251.24

NAME OF WORK: CONSTRUCTION OF SEPTIC TANK FOR NIELIT AT AGARTALA.

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
CARRIAGE OF MATERIALS						
1	1.1.	By mechanical transport including loading, unloading & stacking				
	1.1.1	Lime,moorum,Building rubbish				
	a)	5 KM	Cum	105.00	100.74	10577.70
EARTH WORK:						
2	2.8	Earth work in excavation by mechanical means (Hydraulic excavator/manual means in foundation trenches or drains (not exceeding 1.5m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5m, including getting out the excavated soil and disposal of surplus excavated soil as directed within a				
a)	2.8.1	All kinds of soil.	Cum	100.00	130.80	13080.00
3	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering lead upto 50 mtrs. and lift upto 1.5 mtr.	cum	100.00	83.80	8380.00
4	2.26	Extra for every additional lift of 1.5m or part thereof.				
a)	2.26.1	All kinds of soil.	Cum	10.00	34.60	346.00

CONCRETE WORK:						
5	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level:				
a)	4.1.8	1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)	cum	7.00	3593.30	25153.10
RCC WORK:						
6	5.9	Centring and shuttering including strutting, propping etc. and removal of form for:				
a)	5.9.1	Foundations, footings, bases of columns etc. for mass concrete.	sqm	20.00	166.90	3338.00
b)	5.9.2	Walls (any thickness) including attached pilasters, buttermesses, plinth and string courses etc.	sqm	130.00	285.15	37069.50
c)	5.9.3	Suspended floors, roofs, landings, balconies and access platform.	sqm	50.00	311.20	15560.00
d)	5.9.16	Edges of slabs and breaks in floors and walls				
e)	5.9.16.1	Under 20 cms wide	Mtr.	50.00	99.45	4972.50
7	5.22	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete				
a)	5.22.6	Thermo-Mechanically Treated bars	Kg.	7440.00	62.25	463140.00

8	5.33	Providing and laying in position machine batched, machine mixed and machine vibrated design mix cement concrete of specified grade for reinforced cement concrete work including pumping of concrete to site of laying but excluding the cost of centring, shuttering, finishing and reinforcement-including admixture in recommended proportions as per IS:9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge.				
		Note-cement content considered in this item is @330kg/cum. Excess/less cement used as per design mix is payable /recoverable separately).				
a)	5.33.1	All works upto plinth level	Cum	60.00	5242.15	314529.00
FLOORING WORK						
9	11.3	Cement concrete flooring 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggr.) finished with a floating coat of neat cement including cement slurry, but excluding the cost of nosing of steps etc. complete				
a)	11.3.1	40 mm thick with 20 mm nominal size stone aggr.	Sqm	60.00	280.05	16803.00
FINISHING WORK						
10	13.7	12mm cement plaster finished with a floating coat of neat cement of mix :				
a)	13.7.1	1:4 (1 cement : 4 fine sand)	Sqm	155.00	169.50	26272.50
11	13.16	6 mm cement plaster to ceiling of mix :				
a)	13.16.1	1:3 (1 cement : 3 fine sand)	Sqm.	71.00	101.00	7171.00

12	19.16	Providing orange colour safety foot rest of minimum 6 mm thick plastic encapsulated as per IS:10910 on 12mm dia steel bar conforming to IS:1786 having minimum cross section as 23mm x 25mm and over all minimum length 263 mm and width as 165mm with minimum 112mm space between protruded legs having 2mm tread on top surface by ribbing or chequering besides necessary & adequate anchoring projections on tail length on 138mm as per standard drawing and suitable to withstand the bend test and chemical resistance test as per specifications and having manufacturer's permanent identification mark to be visible even after fixing, including fixing in manholes with 30x20x15cm cement concrete block 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size) complete as per design.	Each	20	256.75	5135.00
13	19.18	Supplying and fixing CI cover with frame for underground water tank:				
a)	19.18.3	560mm diameter CI cover & frame (heavy duty) the weight of the cover and frame to be not less than 216 kg. (The wt. of cover 108 kg. and the wt. of frame 108 kg.)	each	4	5289.10	21156.00
14	19.32	Making soak pit 2.5m diameter 3.0 mtr. deep with 45x45cm dry brick honey comb shat with bricks of class designation 75 and SW drain pipe 100mm diameter, 1.8m long complete as per standard design.				
a)	19.32.1	With F.P.S bricks	Each	4	15228.15	60913.00
15	22.4	Providing and placing in position suitable PVC water stops conforming to IS:12200 for construction/ expansion joints between two RCC members and fixed to the reinforcement with binding wire before pouring concrete etc. complete.				
a)	22.4.2	Dumb bell with central bulb (180mm wide, 8mm thick)	Mtr	200.00	413.85	82770.00
TOTAL CARRIED OVER TO SUMMARY						1116366.30

NAME OF WORK: CONSTRUCTION OF UNDERGROUND WATER TANK FOR NIELIT AT AGARTALA TRIPURA

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE (RS.)	AMOUNT (RS.)
CARRIAGE OF MATERIALS						
1	1.1.	By mechanical transport including loading, unloading & stacking				
	1.1.1	Lime,moorum,Building rubbish				
	a)	5 KM	Cum	5.00	100.74	503.70
EARTH WORK:						
2	2.8	Earth work in excavation by mechanical means (Hydraulic excavator/manual means in foundation trenches or drains (not exceeding 1.5m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5m, including getting out the excavated soil and disposal of surplus excavated soil as directed within a lead of 50 mtr.				
	a)	2.8.1 All kinds of soil.	Cum	100.00	130.80	13080.00
3	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering lead upto 50 mtrs. and lift upto 1.5 mtr.	Cum	100.00	83.80	8380.00
	2.26	extra for every additional lift of 15m or part thereof in.				
4	2.26.1	All kinds of soil.	Cum	20.00	34.60	692.00

CONCRETE WORK:						
5	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level:				
a)	4.1.3	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	cum	2.00	4514.05	9028.10
b)	4.1.8	1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)	Cum	10.00	3593.30	35933.00
6	4.17	Making Plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 Coarse sand :6 graded stone aggregate 20mm nominal size) over 75 mm bed of dry bricks ballast 40mm nominal size well rammed and consolidated and grouted with fine sand including finishing the top smooth.	Sqm	30.00	338.75	10162.50
RCC WORK:						
7	5.9	Centring and shuttering including strutting, propping etc. and removal of form for:				
a)	5.9.1	Foundations, footings, bases of columns etc. for mass concrete.	sqm	20.00	166.90	3338.00
b)	5.9.2	Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	sqm	150.00	285.15	42772.50
c)	5.9.3	Suspended floors, roofs, landings, balconies and access platform.	sqm	50.00	311.20	15560.00
d)	5.9.16	Edges of slabs and breaks in floors and walls				
e)	5.9.16.1	Under 20 cms wide	Mtr.	30.00	99.45	2983.50
8	5.22	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete				
a)	5.22.6	Thermo-Mechanically Treated bars	Kg.	6765.00	62.25	421121.25

9	5.33	Providing and laying in position machine batched, machine mixed and machine vibrated design mix cement concrete of specified grade for reinforced cement concrete work including pumping of concrete to site of laying but excluding the cost of centring, shuttering, finishing and reinforcement-including admixture in recommended proportions as per IS:9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge.				
		Note-cement content considered in this item is @330kg/cum. Excess/less cement used as per design mix is payable /recoverable separately).				
a)	5.33.1	All works upto plinth level	Cum	55.00	5242.15	288318.25
FLOORING WORK						
10	11.3	Cement concrete flooring 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggr.) finished with a floating coat of neat cement including cement slurry, but excluding the cost of nosing of steps etc. complete				
a)	11.3.1	40 mm thick with 20 mm nominal size stone aggr.	Sqm	50.00	280.05	14002.50
FINISHING:						
11	13.4	12mm cement plaster of mix :				
a)	13.4.2	1:6 (1 cement : 6 coarse sand)	Sqm	125.00	112.50	14062.50
12	13.7	12mm cement plaster finished with a floating coat of neat cement of mix :				
a)	13.7.2	1:6 (1 cement : 6 coarse sand)	Sqm	200.00	153.45	30690.00
13	13.16	6 mm cement plaster to ceiling of mix :				
a)	13.16.1	1:3 (1 cement : 3 fine sand)	Sqm.	50.00	101.00	5050.00
14	13.50.1	With ready mixed pink or grey primer of approved brand and manufacturer on wood work (hard & soft wood)	sqm	10.00	25.85	258.50
b)	13.50.3	With ready mixed red oxide zinc chromate primer of approved brand and manufacturer on steel galvanised iron/steel works.	sqm	10.00	20.70	207.00
15	13.61	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :				
a)	13.61.1	Two or more coats on new work	Sqm	10.00	53.85	538.50

DRAINAGE						
16	18.26	Providing & laying flanged CI standard specials such as tees, bends, collars, tapers, caps etc. suitable for flanged jointing as per IS-1538:				
a)	18.26.1	Upto 300mm dia	Qtl.	1.00	6351.10	6351.00
17	18.27	Providing & laying S&S centrifugally cast (spun) iron pipes (Class LA) conforming to IS:1536:				
a)	18.27.1	100mm dia. Pipe	Mtr.	10.00	986.40	9864.00
18	19.16	Providing orange colour safety foot rest of minimum 6 mm thick plastic encapsulated as per IS:10910 on 12mm dia steel bar conforming to IS:1786 having minimum cross section as 23mm x 25mm and over all minimum length 263 mm and width as 165mm with minimum 112mm space between protruded legs having 2mm tread on top surface by ribbing or chequering besides necessary & adequate anchoring projections on tail length on 138mm as per standard drawing and suitable to withstand the bend test and chemical resistance test as per specifications and having manufacturer's permanent identification mark to be visible even after fixing, including fixing in manholes with 30x20x15cm cement concrete block 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size) complete as per design.	Each	30	256.75	7702.50
19	19.18	Supplying and fixing CI cover with frame for underground water tank:				
a)	19.18.3	560mm diameter CI cover & frame (heavy duty) the weight of the cover and frame to be not less than 216 kg. (The wt. of cover 108 kg. and the wt. of frame 108 kg.)	Each	4	5289.10	21156.00

WATER PROOFING:						
20	22.1	Providing & laying integral cement based treatment for water proofing on horizontal surfaces at all levels as directed by Engineer-In-Charge and consisting of: Ist layer of 20mm to 25mm thick approved and specified rough stone slab over a 25mm thick base of cement mortar 1:3 (1 cement: 3 coarse sand) mixed with water proofing compound 'conforming to IS:2645 in the recommended proportion over the leveling course (leveling course to be paid separately). Joints sealed and grouted with cement slurry mixed with water proofing compound. ii) 2nd layer of 25mm thick cement mortar 1:3 (1 cement: 3 coarse sand) mixed with water proofing compound in recommended proportion. iii) Finishing top with stone aggregate of 10mm to 12mm nominal size spreading @ 8 cudm/Sqm thoroughly embedded in the 2nd layer.				
a)	22.1.1	Using rough kota stone	Sqm	50.00	732.85	36642.50
21	22.2	Providing and laying integral cement based treatment for water proofing on the vertical surface by fixing specified stone slab 22mm to 25mm thick with cement slurry mixed with water proofing compound conforming to IS:2645 in recommended proportions with a gap of 20mm (minimum) between stone slabs and the receiving surfaces and filling the gaps with neat cement slurry mixed with water proofing compound and finishing the exterior of stone slab with cement punning mixed with water proofing compound in recommended proportion complete at all levels and as directed by Engineer-In-Charge.				
a)	22.2.1	Using rough kota stone	Sqm	160.00	884.90	141584.00
22	22.4	Providing and placing in position suitable PVC water stops conforming to IS:12200 for construction/ expansion joints between two RCC members and fixed to the reinforcement with binding wire before pouring concrete etc. complete.				
a)	22.4.2	Dumb bell with central bulb (180mm wide, 8mm thick)	Mtr	150.00	413.85	62077.50
TOTAL CARRIED OVER TO SUMMARY						1202059.30

Name of Work:- CONSTRUCTION OF TUBEWELL FOR NIELIT AT AGARTALA TRIPURA

Sl.No	DSR 2012 Sub Head	DESCRIPTION OF ITEM	UNIT	QTY	Rate (Rs)	Amount (Rs)
		BOREWELL				
1	NS	Drilling by suitable rig as per IS : 2800-1979 (percussion or combination rig) or Reverse Rotary to suit site condition from ground level in all kind of soils and weathered rock including boulders (excluding rock) diameter of bore 550mm including carry out hydrological survey report before boring & getting the approval based on Hydrogeological survey before start of the work.				
		0-60m	metre	60.00	551.72	33103.45
		60-120m	metre	60.00	620.69	37241.38
		120-180m	metre	60.00	689.66	41379.31
2	NS	Extra additional for drilling in Ordinary Rock if any found	metre	40.00	1034.48	41379.31
3	NS	Extra additional for drilling in Hard Rock if any found	metre	40.00	1379.31	55172.41
4	NS	Providing and lowering uPVC casing/housing pipe 200mm dia. with wall thickness 10 mm conforming to IS :12818 including sockets of standard design.	metre	80.00	1034.48	82758.62
5	NS	Providing & fixing uPVC screen/slotted pipe with 1.5 mm to 3mm (slots as per strata condition) including sockets of standard design as per IS: 12818/1992.				
		200 mm dia uPVC socketed pipe with wall thickness 10.0 mm	metre	120.00	137.93	16551.72
6	NS	Providing and fixing in position threaded iron cap with locking arrangement of approved design to prevent foreign matters getting into the bore-hole as required.	Each	2.00	689.66	1379.31
7	NS	Providing and laying rounded pea gravel washed & served 3 to 6 mm nominal bore.	Cum	24.00	482.76	11586.21
8	NS	Providing and laying cement concrete 1:2:4 mix for sanitary sealing of well at top.	Cum	3.00	2413.79	7241.38
9	NS	Supplying, lowering and fixing in position PVC bail plug with "U" hooks as per IS:2800-1964.	Each	2.00	344.83	689.66
10	NS	Development of Tubewell including testing of yield depression & quality of water (for all parameters of portable water), contractor to obtain certificate for quality for water from Competent Authority approved by client or Engineer- In -Charge.				

Sl.No	DSR 2012	DESCRIPTION OF ITEM	UNIT	QTY	Rate (Rs)	Amount (Rs)
11	NS	Development of Tube well by high capacity air compressor till the clear water discharge but not more than 100 hours.	per hour	160.00	689.66	110344.83
12	NS	Additional development of Tube well by high an over pumping unit till complete development of tube well does not clear by maximum 100 hours air compressor	per hour	100.00	827.59	82758.62
13	NS	Tranportation, mobilisation and demobilisation or drilling equipment and ancillary equipment to site including clearing and cleaning the site after completion of work.	set	2.00	13793.10	27586.21
14	NS	Providing and fixing brass full way valve with C.I. wheel of approved make, tested to a pressure of 21 kg/sqcm. 100 mm dia	Each	2.00	1241.38	2482.76
15	NS	Providing and fixing gunmetal non return valve of approved make tested to a pressure of 21kg/sqcm. 100 mm dia	Each	2.00	1379.31	2758.62
16	NS	Providing & fixing G.I pipes (Heavy Class) confirming to IS 1239 with special fittings in external works including earthwork ,excavationin all kinds of soil including ordinary rock,refilling, painting pipes & fitting with two coats of anti corrosive paint complete in all respects. 100 mm dia	Metre	200.00	689.66	137931.03
17	NS	Providing & filling sand of grading zone V or coarser grade all around GI pipe in external work 100 mm dia	Metre	200.00	68.97	13793.10

Sl.No	DSR 2012	DESCRIPTION OF ITEM	UNIT	QTY	Rate (Rs)	Amount (Rs)
18	NS	Submersible pumps				
19	NS	Providing and installing submersible pump suitable for 8" dia casing of bore with SS impeller, high tensile SS shaft, copper wound squirrel cage wet type induction motor 2880 rpm, 415 V, 50 Hz, 3 phase A.C. supply, conforming to ISS: 8034-1976, capacity 500 litre per minute at 70 - 120 m head along with a directly coupled submersible type squirrel cage electric induction 12.5 H.P. motor suitable for operation on 400 V, 3 phase, 50 c.p.s. A.C. supply, water lubricated bearings and provided with pivoted segment type thrust bearings to withstand non-vertical lead with minimum wear and tear and duly fitted with device to take up the expansion of water with heating of motor, including supply, testing and commissioning of electrical panel from the same manufacturer, complete with all accessories in all respects. The contractor to obtain approval for model and make of pumpset & suitable Electrical panel after having yield report of fully developed tube well and submit actual bore strata chart.(One working & one Stand by to be kept in store)				
		Insulated Cable end termination along with its accessories complete as required.				
		Supply and making straight through joint heat shrinkable type of size 4x4 sq.mm copper	set	2.00	124137.93	248275.86
		SUB TOTAL (Bore Well)				954413.79

NAME OF THE PROJECT: CONSTRUCTION OF IRON REMOVAL PLANT FOR NIELIT AT AGARTALA TRIPURA

BILL OF QUANTITIES						
Sl.No	DSR 2012 Sub Head	DESCRIPTION OF ITEM	UNIT	QTY	Rate (Rs)	Amount (Rs)
1	NS	Providing and installing & commissioning of package type Iron Removal Plant Comprising of iron removal filter of dual media filter with anthracite coal,filter gravel ,polypropelene double hexagonal nut strainer etc.,mixing chamber for coagulants like sodium alluminates etc., oxidation chamber with manganese dioxide ,metering pump for coagulant dosing ,air compressor of suitable capacity with motor ,back washing arrangements, disinfection with sodium hypochlorite solution through metering pump ,all necessary pipes for raw water collection ,inter collecting all chambers ,delivery outlet as necessary with 150 mm dia MS pipe alongwith all related civil,mechanical and electrical works etc. complete as per approved process flow ,technical specification and direction of the Engineer -in- charge.				
	A	5000 GPH	Each	1	553172.41	553172.41
		TOTAL NON SCHEDULE ITEM				553172.41

**NAME OF THE WORK:PROPOSED CONSTRUCTION OF ROAD WORK FOR NIELIT AT AGARTALA
, TRIPURA.**

ROAD WORK= 4000 SQM

S.NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
	SCHEDULE ITEMS:					
1	2.3	Banking excavated earth work in layers not exceeding 20cm in depth, breaking clods, watering, rolling each layer with 1/2 tonne roller or wooden or steel rammers and rolling every 3rd and top most layer with power roller of minimum 8 tonnes and dressing up in embankments for roads, flood banks, marginal banks and guide banks etc., lead upto 50m and lift upto 1.5m.				
a)	2.3.1	All kinds of soil.	cum	800.00	181.25	145000.00
2	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering lead upto 50 mtrs. and lift upto 1.5 mtr.	cum	8000.00	83.80	670400.00
3	16.1	Preparation and consolidation of sub-grade with power road roller of 8 to 12 tonne capacity after excavating earth to an average of 22.5cm depth, dressing to camber and consolidating with road roller including making good the undulations etc. and re-rolling the sub-grade and disposal of surplus earth lead upto 50 mtr.	Sqm	4000.00	61.25	245000.00
3A	16.2	Extra for compaction of earth work in embankment under optimum moisture conditions to give at least 95% of the maximum dry density	Cum	8000.00	7.75	62000.00
4	16.3	Supplying and stacking at site:				
a)	16.3.1	90mm to 45mm size stone aggregate	Cum	600.00	1010.75	606450.00
b)	16.3.2	63mm to 45mm size stone aggregate	Cum	300.00	1100.80	330240.00
c)	16.3.3	53mm to 22.4mm size stone aggregate	Cum	300.00	1190.80	357240.00

S.NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
f)	16.3.9	Good earth	Cum	8000.00	260.70	2085600.00
g)	16.3.10	Moorum	Cum	100.00	624.45	62445.00
5	16.4	Laying spreading and compacting stone aggregate of specified sizes to WBM specifications including spreading in uniform thickness, hand packing, rolling with 3 wheeled road / vibratory roller 8-10 tonne in stages to proper grade and camber, applying and brooming requisite type of screening binding material to fill up interstices of coarse aggregate watering and compacting to the required density.	Cum	1200.00	330.15	396180.00
6	16.30	Providing and applying tack coat using hot straight run bitumen of grade 80/100 including heating the bitumen, spraying the bitumen with mechanically operated spray unit fitted on bitumen boiler, cleaning and preparing the existing road surface as per specification.				
a)	16.30.1	On W.B.M. @ 0.75 kg./Sqm	Sqm	4000.00	40.15	160600.00
7	16.33	2.5 cm premix carpet surfacing with 2.25 cum and 1.12 cum of stone chippings of 13.2mm and 11.2mm size respectively per 100 sqm and 52 kg. and 56 kg. of hot bitumen per cum of stone chippings of 13.2mm and 11.2mm size respectively including a tack coat with hot straight run bitumen including consolidation with road roller of 6 to 9 tonne capacity etc. complete : (Tack coat to be paid for separately).				
a)	16.33.1	With paving Asphalt 80/100 heated and then mixed with solvent at the rate of 70 grams per kg. of asphalt.	Sqm	4000.00	164.75	659000.00

S.NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
8	16.36	Providing and laying Bitumen Penetration Mecadam with hard stone aggregate of quality, size and grading as specified , with bitumen of suitable penetration grade , including required key aggregate as specified , spreading coarse aggregate with the help of self propelled /tipper tail mounted aggregate spreader and applying bitumen by a pressure distributor and than spreading key aggregate with the help of aggregate spreader complete , including consolidation with road roller of minimum 8 to 10 tonn capacity to achieve specified values of compaction and surface accuracy;				
a)	16.36.1	For 75 mm compacted thickness in two layers using stone aggregate of size 63-41 mm graded @.18 cum per 10sqm . With paving asphalt grade VG-10 @ 68 kg /10 sqm	Sqm	4000.00	505.60	2022400.00
9	16.69	Providing and laying at or near ground level factory made kerb stone of M-25 grade cement in position to the required line, level and curvature jointed with cement mortar 1:3 (1 cement: 3 coarse sand) including making joints with or without grooves (thicness of joints except at sharp curve shall not be 5 mm) including making drainage opening wherever required complete etc. as per direction of Engineer- In - charge (length of finished kerb edging shall be measured for payment) . (Precast cc kerb stone shall be approved by Engineer- In - charge.	Cum	20.00	5046.80	100936.00
10	16.68	Providing and laying 60mm thick factory made cement concrete interlocking paver block of M-30 grade made by block making machine with strong vibratory compaction and of approved size and design/shape laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with coars sand etc. all complete as per the direction of the Engineer- In - charge.	SQM	1070	536.65	574215.50
TOTAL OF SCHEDULE ITEMS						8477706.50

**NAME OF THE WORK:PROPOSED CONSTRUCTION OF BOUNDARY WALL FOR NIELIT AT
AGARTALA,TRIPURA.**

BOUNDARY WALL= 1015 METER

S.NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
SCHEDULE ITEMS:						
1	2.6	Earth work in excavation by mechanical means (Hydraulic excavator/manual means over areas (exceeding 30cm in depth , 1.5m in width as well as 10 sqm on plan) including disposal of excavated earth,lead upto 50m and lift upto 1.5m disposed earth to be levelled and neatly dressed.				
a)	2.6.1	All kinds of soil.	cum	1238.00	129.35	160135.30
2	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering lead upto 50 mtrs. and lift upto 1.5 mtr.	cum	853.00	83.80	71481.40
3	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level:				
a)	4.1.6	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)	cum	96.00	3888.20	373267.20

S.NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
4	5.9	Centring and shuttering including strutting, propping etc. and removal of form for:				
a)	5.9.1	Foundations, footings, bases of columns etc. for mass concrete.	sqm	384.00	166.90	64089.60
b	5.9.5	Lintels, beams, plinth beams, girders, bressumers and cantilevers.	sqm	576.00	262.25	151056.00
c	5.9.6	Columns, Pillars, Piers, Abutments, posts and Struts	sqm	1182.00	365.60	432139.20
5	5.33	Providing and laying in position machine batched, machine mixed and machine vibrated design mix cement concrete of specified grade for reinforced cement concrete work including pumping of concrete to site of laying but excluding the cost of centring, shuttering, finishing and reinforcement-including admixture in recommended proportions as per IS:9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge.				
		Note-cement content considered in this item is @330kg/cum. Excess/less cement used as per design mix is payable /recoverable separately).				
a)	5.33.1	All works upto plinth level	Cum	343.00	5242.15	1798057.45
b	5.33.2	All works above plinth level upto floor five level	Cum	102.00	5781.50	589713.00
6	5.22	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level				
a)	5.22.6	Thermo-Mechanically Treated bars	Kg.	37800.00	62.25	2353050.00
7	5.22A	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level				
a)	5.22.6	Thermo-Mechanically Treated bars	Kg.	11424.00	62.25	711144.00

S.NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
8	10.25	Steel work welded in built up sections/framed work including cutting hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required				
a)	10.25.2	In gratings, frames, guard bar, ladders, railings, brackets, gates & similar works	Kg.	29232.00	77.90	2277172.80
9	13.1	12mm cement plaster of mix :				
a)	13.1.2	1:6 (1 cement : 6 fine sand)	Sqm	3048.00	112.50	342900.00
10	13.2	15 mm cement plaster on the rough side of single or half brick wall of mix:				
a)	13.2.2	1:6 (1 cement : 6 fine sand)	Sqm	2663.00	130.20	346722.60
11	13.61	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :				
a)	13.61.1	Two or more coats on new work	Sqm	1902.00	53.85	102422.70
12	13.46	Finishing walls with water proofing cement paint of required shade				
a)	13.46.1	New work (two or more coats applied @ 3.84 Kg./10 Sqm)	Sqm	4565.00	67.50	308137.50
TOTAL OF SCHEDULE ITEMS						10081488.75
NON SCHEDULED ITEMS						
BRICK WORK:						
13	NS	Brick work with FPS bricks of class designation 100 in foundation & plinth in:				
a)		Cement mortar 1:6 (1 cement: 6 coarse sand)	Cum	233.00	3964.2	923658.60
14	NS	Brick work with F.P.S. bricks of class designation 100 in superstructure above plinth level up to floor V level in all shapes and sizes in:				
a)		Cement mortar 1:6 (1 cement: 6 coarse sand)	Cum	306.00	4160.34	1273065.52
TOTAL FOR SCHEDULE ITEMS						2196724.12

NAME OF THE PROJECT:PROPOSED CONSTRUCTION OF STORM WATER DRAIN FOR NIELIT AT AGARTALA,TRIPURA.

NAME OF WORK: CONSTRUCTION OF (800mm width) STORM WATER DRAINAGE

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
		SCHEDULE ITEM				
1	2.8	Earth work in excavation in foundations trenches or drains (not exceeding 1.5m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 mtr.				
a)	2.8.1	All kinds of soil.	Cum	480.00	130.80	62784.00
2	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level				
a)	4.1.9	1:4:8 (1 cement : 4 fine sand : 8 graded stone aggregate 40 mm nominal size)	cum	83.00	3331.25	276493.75
3	6.1	Brick work with common burnt clay F.P.S (non modular) bricks of class designation 7.5 in foundation & plinth in:				
a)	6.1.2	Cement mortar 1:6 (1 cement: 6 coarse sand)	Cum	196.00	3316.55	650044.00
4	13.7	12mm cement plaster finished with a floating coat of neat cement of mix :				
a)	13.7.1	1:4 (1 cement : 4 fine sand)	Sqm	1288.00	153.45	197644.00
		TOTAL OF SCHEDULE ITEM				1186965.75
		NON SCHEDULE ITEM				
5	NS	Providing and laying coping coarse 40 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5 mm nominal size) mixed with water profing compound 2% by wt of cement	Sqm	288.00	213.72	61553.00
TOTAL OF NON SCHEDULE ITEM					RS.	61553.00

**NAME OF WORK : CONSTRUCTION. OF PROPOSED 85 METER RCC RETAINING FOR WALL NIELIT AT AGARTALA
TRIPURA**

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
EARTH WORK:						
1	2.6	Earth work in excavation by mechanical means (Hydraulic excavator/manual means over areas (exceeding 30cm in depth, 1.5m width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50 mtrs. and lift upto 1.5m, disposed earth to be levelled and neatly dressed.				
a)	2.6.1	All kinds of soil.	cum	65.00	129.35	8407.75
2	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering lead upto 50 mtrs. and lift upto 1.5 mtr.	cum	51.00	83.80	4273.80
CONCRETE WORK:						
3	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level:				
a)	4.1.8	1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)	cum	20.00	3593.30	71866.00

SL. NO.	DSR NO.	DESCRIPTION OF ITEM	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
		RCC WORK:				
4	5.9	Centring and shuttering including strutting, propping etc. and removal of form for:				
a)	5.9.1	Foundations, footings, bases of columns etc. for mass concrete.	sqm	153.00	166.90	25535.70
b)	5.9.2	Walls (any thickness) including attached pilasters, butteresses, plinth and string courses etc.	sqm	1380.00	285.15	393507.00
c	5.22	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete				
d	5.22.6	Thermo-Mechanically Treated bars	Kg.	27600.00	62.25	1718100.00
	5.33	Providing and laying in position machine batched, machine mixed and machine vibrated design mix cement concrete of specified grade for reinforced cement concrete work including pumping of concrete to site of laying but excluding the cost of centring, shuttering, finishing and reinforcement-including admixture in recommended proportions as per IS:9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge.				
		Note-cement content considered in this item is @330kg/cum. Excess/less cement used as per design mix is payable /recoverable separately).				
5	5.33.1	All works upto plinth level	Cum	230.00	5242.15	1205694.50
		TOTAL CARRIED OVER TO SUMMARY				3427384.75

**NATIONAL BUILDINGS CONSTRUCTION CORPORATION LTD.
COUNSULTANCY DIVISION**

**NAME OF PROJECT :CONSTRUCTION WORK OF NEILET, AGARTALA
NAME OF WORK : PROVIDING STREET LIGHT AT NEILET, AGARTALA (TRIPURA)**

SL.NO.	DSR NO.	DESCRIPTION	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
SCHEDULE ITEMS (Street Lighting)						
1	1.17	Supplying & drawing of following sizes of PVC insulated copper conductor single core cable in the existing surface/recess PVC/ steel conduit as required.(For wiring of light fitting from junction box)				
(a)	1.17.12	3 x 2.5 sqmm (1 Phase+1Neutral+1Earth)	Metre	300	74.50	22350.00
2	5.2	Earthing with GI earth pipe 4.5m long, 40mm dia including accessories & providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal / coke and salt complete etc. as required.	Set	10	3385.00	33850.00
4	5.18	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing along with existing surface/ recessed conduit/ submain wiring/ cable as required.	Metre	500	19.50	9750.00
5	9.1	Supplying and making end termination with brass compression glands and aluminium lugs PVCA conductor cable (Armoured) 1.1 KV grade of the following sizes as required.				
a)	9.1.2	4.0C x 10 Sqmm	Set	50	111.00	5550.00
TOTAL FOR SCHEDULE ITEMS(A)						71500.00
NON-SCHEDULE ITEMS (Street Lighting)						
6	NS	Supply, installation and erection of Solar street light with IP 65 LED fixture having a system wattage of 43W of Philips BRP 403 make with 3450 lumens system output, 200Wp high efficiency crystalline solar panel certified IEC 61215 and 200Ah tubular lead-acid battery with BIS approval. the LED driver should have > 92% of capacity. The battery shall not be discharge beyond 75% of capacity. The solar chargecontroller should be of Microprocessor based MPPT make with 96% efficiency and enclosed in IP 65 BOX. The charge controller shall provide all safety protection and temperature compensated charging of the batter. The battery should be housed ina box made from galvanised steel and powder coated so that it withstand corrosion. The solar system should bee mounted on a 6.0 mtrs Octagonal pole. The solar street light shall comply with standards such as IEC 61215, IEC 62124, IEC 61347-2-13, IEC 62384, CISPR 15, IEC 61547, IEC 60598. The solar panel and battery shall be of reputed make and manufactured inIndia. The approved makes of LEDs are CREE, Nichia and Philips Lumileds and LM80 report to be submitted.	Each	25	107731.72	2693293.00
7	NS	Providing & fixing GI pipe of 32mm dia for cable entry including fixing alongwith pole/ground with clamp in concrete/ground etc. complete as required.	Mtr	58	151.72	8800.00
8	NS	Farbrication, supplying, installation, testing & commissioning of weather proof box made out of hot moulded SMC sheet of size 285mm x 210mm x 117mm complete with 4 Nos. electrolytic aluminium bus bar of 63 Amps. with porcelain base and suitable din bar including supplying and fixing one No. 16 A SPMCB complete with connections & inter-connections etc. as required (SINTAX Make).	Each	29	2438.62	70720.00

9		The Pole shall be erected on the foundation made of M-25 reinforced cement concrete foundation of size 500 mm. (L) X 500 mm. (W) X 1500 mm. (D) (below ground) and 450 mm. (L) X 450 mm. (W) X 200 mm. (D) (above ground) i.e. excavation of earth, providing cutting, bending and placing in position, reinforcement of cold twisted bars of 12 mm. dia 1660 mm long (approx.) 8 Nos. and reinforcement ring of cold twisted bar of 8 mm. dia -1800 mm (approx.) 8 Nos. (with 150 mm. spacing) as required with positioning of foundation bolts and providing 75 mm. (O.D)	Each	29	3937.93	114200.00
10	NS	Supplying & laying in ground or on surface or in existing pipe as per CPWD specifications of PVC insulated and PVC sheathed armoured aluminium conductor cable of 1.1 KV grade conforming to IS:1554(Part-1)of the following size.				
(a)		4.0C X 10 sqmm	Mtr	520	269.66	140221.00
11	NS	Supply, installation, testing and commissioning of 3.5 Mtr long GI tubular pole fabricated out of 76/ 60 mm (NB) dia. Pipe 3.5 metre long and integral CI bottom dia of 150 mm complete with 300 mm x 300 mm x 12 mm thick MS plate, built in cylindrical control box and service door. Aesthetic appearance is enhanced with a cat iron cross, gold coloured embellishment and antique finish in selective area. The pole is coated with epoxy zinc phosphate primer and finished with polyurethane based paint The pole is suitable for mounting a wide range of luminaires with 76/ 60 mm spigot assembly. The control gear tray is prewired with MCB, terminal connectors for loop-in loop-out and suitable for operation on 240 V, 50 Hz single phase AC supply etc. complete as required.	Each	4	21023.45	84094.00
12	NS	Supply, installation, testing & commissioning of LED Jamal decorative post top lantern, 40 watt LED module suitable for mounting on to 60 mm dia tube, prewired with driver etc. complete as required (K-lite-6047)	Each	4	34164.83	136659.00
TOTAL FOR NON-SCHEDULE ITEMS (B)					RS.	3247987.00

**NATIONAL BUILDINGS CONSTRUCTION CORPORATION LIMITED
COUNSULTANCY DIVISION
NAME OF PROJECT :CONSTRUCTION WORK OF NEILET, AGARTALA**

NAME OF THE WORK : S/I FOR 11 KV SUB-STATION EQUIPMENTS & SILENT TYPE DG SET

SI. NO.	NS/DSR NO.	DESCRIPTION	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
	PART-I:	11 KV SUB-STATION EQUIPMENTS & SILENT TYPE DG SET:				
(A)		NON-SCHEDULE ITEMS:				
1	NS	11 KV G.O D.O STRUCTURE				
		Supplying, installation, fixing and commissioning 11 kv Two pole structure comprising of 11 Mtr MS rail poles, lightning arresters, gang operated switch complete with drop out fuses, operating handle etc., Pin and disc insulators, necessary MS angle/ flat supports, suitable foundations GI stay wire, painting of all steel items (degreasing, derusting, phosphating and passivation followed by one coat of redoxide primer and finished by 2 coats of aluminium paints) complete in all respects	Set	1	198620.69	198621.00
		DISTRIBUTION TRANSFORMER:				
2	NS	Supplying, installing, testing and commissioning of 400 KVA, outdoor, oil filled type 11 KV/433V, 3 phase, 50 Hz, Dyn.-11 vector group with 5% impedance, degree of protection IP-42, copper double wound F class insulation, Delta/Star distribution transformer as per latest IS codes complete with off-load tap changer for having +/-7.5% voltage variations in steps of +/- 2.5% on HV side, conservator tank with Buchholz' relay trip system, earthing terminal, lifting hook, inspection cover, four bi-directional rollers, HT/LT cable termination boxes, MS channel base as per manufacturer's recommendations etc. complete as required.	Set	1	703448.28	703448.00
		L.T. PANEL (NORMAL SUPPLY)				
3	NS	Supply, installation, testing & commissioning of LT extendable panel suitable for operation on 415V, 50 Hz, 3 phase, 4 wire, AC system capable of withstanding fault level of 50 KA, 415 volts. The panel shall be indoor, free floor standing, metal clad, power coated, dust & vermin proof, compartment type enclosure of IP-42 & fabricated out of 2mm thick CRCA sheet with necessary bus bar and cable alleys and foundation channel of 100x50x6mm. The incoming and outgoing feeders shall be accommodated in a multi-tier arrangement, painting, earthing, sign writing, numbering shall be complete with foundation channel of 100x50x6mm as per specifications & single line diagram and comprise of the following switchgear and accessories: (Shop drawing to be got approved by the Engineer-In-Charge prior to fabrication).	Set	1	206103.45	206103.00
		INCOMER				

	a)	1 No.- 800A, 4 Pole MCCB(Ics=Icu,Ui=1000V), having breaking capacity of 50KA with adjustable type thermo-magnetic fault release				
		1 No. Digital type Ammeter with ASS of suitable range with CTs of suitable class & capacity.				
		1 No. Digital type Voltmeter 0-500V With VSS				
		1 Set - Phase indicating lamps.				
		1 Set - HRC backup fuses.				
		BUS-BAR				
		1 Set- 800A, TPN electrolytic aluminium bus-bar for complete panel suitable for 50 KA fault level covered with colour coded PVC sleeves.				
		OUTGOING				
		Outgoing MCCBs having Ics =Icu ,Ui = 1000Vof the following rating to be provided:				
	a)	2 Nos.- 500A, 3 Pole MCCB, having breaking capacity of 50KA with adjustable type thermo-magnetic fault release				
	b)	2 Nos.- 200A, 3 Pole MCCB, having breaking capacity of 36KA with adjustable type thermo-magnetic fault release				
	c)	2 Nos.- 100A, 3 Pole MCCB, having breaking capacity of 16KA with adjustable type thermo-magnetic fault releases				
	d)	4 Nos.- 63A, 3 Pole MCCB, having breaking capacity of 16KA with adjustable type thermo-magnetic fault release				
		ESSENTIAL/EMERGENCY PANEL:				
4	NS	Supply, installation, testing and commissioning of LT panel extendable type suitable for operation on 415V, 50 Hz, 3 phase, 4 wire, AC system capable of withstanding fault level of 50KA, 415 volts. The panel shall be indoor, free floor standing, metal clad, power coated, dust & vermin proof, compartment type enclosure of IP-42 & fabricated out of 2mm thick CRCA sheet with necessary bus bar and cable alleyes and foundation channel of 100x50x6mm. The incoming and outgoing feeders shall be accomodated in a multi-tier arrangement, painting, earthing, sign writing, numbering shall be complete with foundation channel of 100x50x6mm as per specifications & single line diagram and comprise of the following switchgear and accessories: (Shop drawing to be got approved by the Engineer-In-Charge prior to fabrication).	Set	1	152213.79	152214.00
		INCOMER				
	a)	1 No.- 500A, 4 Pole MCCB(Ics=Icu,Ui=1000V), having breaking capacity of 50KA with adjustable type thermo-magnetic fault release				
		1 No. Digital type Ammeter with ASS and of suitable range with CTs of suitable class & capacity.				

		1 No. Digital type Voltmeter 0-500V with VSS.				
		1 Set - Phase indicating lamps.				
		1 Set - HRC backup fuses.				
		BUS-BAR				
		1 Set - 500A TPN electrolytic aluminium bus bar for complete panel suitable for 50KA fault level covered with colour coded PVC sleeves.				
		OUTGOING				
		Outgoing MCCBs(having Ics=Icu,Ui=1000V) of the following rating with adjustable type thermo-magnetic fault releases:				
	a)	3 Nos.- 200A, 3 Pole MCCB, having breaking capacity of 36KA				
	b)	6 Nos.-100A, 3 Pole MCCB, having breaking capacity of 16KA				
	c)	2 Nos.- 63A, 3 Pole MCCB, having breaking capacity of 16KA				
		CAPACITOR PANEL:				
5	NS	Supply, installation, testing and commissioning of 100 KVAR floor mounted, indoor type, wall/floor mounted, cubicle, automatic power factor correction panel made out of 14 SWG cold rolled sheet steel suitable for operation on 415V, 50 Hz, 3 phase, AC system including cutting, welding, fabricating, painting including supplying and fixing following items in existing panel inter-connections etc. complete as required.: (Shop drawing to be got approved by the Engineer Incharge prior to fabrication).	Set	1	242731.03	242731.03
		INCOMER				
	a)	1 No.- 200A, 4 Pole MCCB(Ics=Icu,Ui=1000V), having breaking capacity of 36KA with adjustable type thermo-magnetic fault release				
	b)	1 No. Digital type Ammeter of suitable range with ASS and CTs of suitable class & capacity.				
	c)	1 No. Digital type Voltmeter 0-500V with VSS				
	d)	1 Set - Phase indicating lamps.				
	e)	1 Set - HRC backup fuses.				
		BUS BAR:				
		1 Set - 200A TPN electrolytic aluminium bus bar suitable for 36 KA fault level covered with colour coded PVC sleeves.				
		OUTGOING				
		Outgoing MCCBs(having Ics=Icu,1000V) of the following rating with adjustable type thermo-magnetic fault releases:				
	a)	2 Nos.- 63A, 3 Pole, MCCB, 16 KA				
	b)	10 Nos.- 32A, 3 Pole, MCCB, 16 KA				
	c)	12 Nos.- 3-Phase Power contactors of suitable capacity for capacitor switching (25/2.5 KVAR)				
	e)	Power capacitors MPP self healing type:				

	i)	2 Sets 25 KVAR				
	ii)	2 Sets 10 KVAR				
	iii)	4 Sets 5 KVAR				
	iv)	4 Sets 2.5 KVAR				
		1 No. Micro processor based APFC relay, 12 steps with digital PF meter.				
		2 Nos. cooling fan				
		12 Sets of two Nos. push button with LED indication lamps.				
		SILENT TYPE D.G. SET:				
6	NS	Supply, installation, testing and commissioning of factory assembled and tested, radiator cooled, Turbo charged, battery started, Silent Type Diesel Engine- Alternator set capable of generating power at full load of 250 KVA (at site conditions) at 0.8 power factor, 415 Volts, 3 phase, 50 Hz, AC, alongwith engine control panel as well as electrical control panel, sound proof acoustic enclosure, common base frame, foundation, standard fittings and accessories complete in all respects, broadly, comprising the following components:	Set	1	1655172.41	1655172.41
	(A)	DIESEL ENGINE:				
	i)	Radiator water cooled, diesel engine capable of delivering suitable BHP at 1500 RPM under NTP conditions, vertical, totally enclosed, 24 volts DC electric start arrangement compression ignition, electronic governing system, silencers, 4 stroke- multi cylinder, design to run continuously conforming to IS-10002, BS-5514, ISO-3046 standards complete with all fittings & accessories comprising the following:				
	ii)	Dry type air-filter, exhaust silencer, expansion bellow, Lub.oil filter, Lub.oil cooler, fuel filter, radiator with pusher type fan and mountings, air-to-air charge air cooler, flywheel with starter ring, SAE 1 flywheel housing and flywheel suitable for SAE 14 disc coupling for close coupling of single bearing alternator, exhaust gas turbo-charger, water seperator and mud filter, engine safety arrangements against low lub oil pressure, high water temperatur and engine over-speed, and other accessories as required.				
	iii)	24 Volts D.C. electrical start system complete with starting arrangement, sealed maintenance free (SMF) starting batteries of suitable capacity with leads, trickle/boost battery charger set with instruments & indication arrangements and other accessories.				
	iv)	In line mono-block fuel injection pump with electronic governig system and fuel feed pump with accessories.				
	v)	ENGINE CONTROL PANEL - This control panel consists of ON/OFF START keys, Lub.oil pressure gauge, Coolent temperature gauge, D.C. Ammeter, D.C. Voltmeter, electronic Hour-meter etc. as required.				

	vi)	BASE FRAME - Common base frame of required size for mounting of Engine-Alternator set fabricated with MS channel as per manufacturer's recommendations and vibration damping arrangement with cushy foot mounting includings including painting etc. as required.				
	vii)	FOUNDATION- Providing and making C.C. (1:2:4) foundation including edge protection with painted MS angle 35x35x3mm and plastering etc. The foundation shall be suitable for installation of 160 KVA/128 KW diesel engine- alternator set, starting batteries and control panel etc.				
	viii)	FUEL TANK & FUEL PIPE - Supplying and installation of welded steel day tank to hold a total quantity suitable for 12 hours operation, complete with fuel level indicator, inlet and outlet pipes with strainers, internal piping arrangement and finished painting etc. Supplying and laying B-class GI pipe of suitable size to serve as fuel pipe from fuel tank to engine including necessary clamps supports, valves and braided flexible connections etc as required.				
	ix)	EXHAUST PIPE- Supplying and fixing of suitable size(as per manufacturer's recommendations) of MS pipe -C class for fume-exhaust with suitable suppolrting arrangement, at suitable distance all along the full length from generator to 2m above the sub-station building including cutting, jointing, welding, mineral wool cladding and all other accessories like flanges, flexible coupling, bends, nuts and bolts, canopy and making masonry opening in the wall for exhaust pipe & finishing the same as required.				
	x)	COUPLING WITH COUPLING GUARDS - Providing 1 No. coupling as per manufacturer's recommendation to directly couple the engine with alternator. The coupling should have design to transmit power with minimum loses and absorbs jerks.				
	xi)	First fill of fuel oil in the day tank, engine test certificate, engine maintenance manual with the list of spare parts.				
	(B)	ALTERNATOR (BRUSHLESS):				
	i)	3 Phase, 4 wire, star connected, 415V, 50 Hz, 1500 RPM, self regulated type suitable to generate 160KVA/128KW at 0.8 pf (lag). The insulation class of windings shall be H. The voltage regulation shall be in the range of +/- 1.0% from full load to No load and from Hot to cold and unity and 0.8 pf with 4% speed-regulation. Alternator should be suitable for being driven by the above engine at 1500 RPM and compatible with it. The alternator shall be in SPDP enclosure & shall be of rotating field type (brushless), synchronous, self excited, self -regulated, floor mounted with single bearing design, complete with all fittings & asseccories. The alternator shall confirm to IS 4722/BS-2613 and should be suitable for tropical conditions.				
	(C)	AUTOMATIC MAIN FAILURE (AMF) PANEL:				

	i)	Cubicle, compartmentalised, AMF panel board capable of withstanding fault level of 50KA. The panel shall be indoor type, dust & vermin proof, free floor standing, metal clad, powder coated having degree of protection not less than IP-42 & fabricated out of 2mm thick CRCA sheet with necessary electrolytic alum. bus bar, connections, inter-connections, internal wiring, gland plates, ON/OFF indication lamps, top/bottom entry of incoming and outgoing cables from rear of the panel as per site requirement, painting, earthing, sign writing, numbering, complete with foundation channeel of 100x50x6mm etc. for trouble free smooth functioning of 160KVA/128KW, DG set so as to receive and terminate 2 incomers of 3.5x240 Sqmm armoured PVC insulated & sheathed aluminium conductor cables from LT main panel (Normal) & alternator control panel respectively and provide the provision of 1 No. outgoing cable of the same size to the Essential panel.				
		HT CABLE:				
7	NS	Supplying and laying of 3 core x 300 Sqmm 11 KV (E) stranded, compact circular aluminium conductor, conductor screened with semi-conducting compound, XLPE insulated with copper tape, inner sheath, galvanised steel strip armoured, and overall PVC sheathed black cable conforming to IS:7098/II/85 with latest amendments. (Shop drawing of cable layout to be got aproved by the Engineer-In-Charge prior to purchase).	Mtr.	100	2733.79	273379.00
		L.T. CABLES:				
8	NS	Supply of 1.1 KV grade PVC insulated PVC sheathed PVC aluminium conductor armoured cable conforming to IS:1554 Part-I of the following sizes (Shop drawing of cable layout to be got aproved by the Engineer-In-Charge prior to purchase).				
	a)	3.5 C x 300 Sqmm	Mtr	105	2117.24	222310.00
	b)	3.5 C x 240 Sqmm (for Academic block)	Mtr	75	1761.38	132103.00
	c)	3.5 C x 95 Sqmm	Mtr	75	840.00	63000.00
	d)	3.5 C x 35 Sqmm (2 No. for lift + Power, light and power of Hostel boys & girls and Admin. block)	Mtr	750	390.34	292759.00
9	NS	MS buckets (5 Nos.) of 15/20 litres capacity painted with red oxide paint & lettered as 'FIRE' with White and mounted on free standing stand, as required including filling with dry sand	Each	1	2758.62	2759.00
10	NS	Rubber mat 914.4 mm wide and 6mm thick to withstand 1.1 kv dielectric strength	RM	100	586.21	58621.00
11	NS	Supply of enamelled first-aid box with standard medicines complete as required.	Each	2	965.52	1931.00
12	NS	Rubber gloves of 1.1 kv grade as per IS 4770-68	Pairs	2	275.86	552.00
13	NS	Supply & fixing standard shock treatment chart in ENGLISH & HINDI duly framed including glass frame.	Each	2	344.83	690.00
TOTAL FOR NON-SCHEDULE ITEMS					(A)	4206393.45
B)		SCHEDULE ITEMS:				

14	19.6 (Civil DSR)	Supply & laying of following sizes of hume pipes for road crossing, paved areas etc. including collars and misc. jointing accessories, digging the trench, back filling etc. complete in all respects.				
a)	19.6.1	100mm dia	Mtr	25	218.35	5459.00
B)	19.6.2	150mm dia	Mtr	25	254.50	6363.00
15	7.1	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required.				
a)	7.1.1	Upto 35 sq. mm	Metre	750	167.00	125250.00
b)	7.1.2	Above 35 sq. mm and upto 95 sq. mm	Metre	75	173.00	12975.00
c)	7.1.4	Above 185 sq. mm and upto 400 sq. mm	Metre	180	196.00	35280.00
16	7.10	Supplying and fixing cable route marker with 10 cm X 10 cm X 5 mm thick G.I. plate with inscription there on, bolted /welded to 35 mm X 35 mm X 6 mm angle iron, 60 cm long and fixing the same in ground as required.	each	50	244.00	12200.00
17	9.1	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.				
a)	9.1.21	3½ X 35 sq. mm (32mm)	Each	16	223.00	3568.00
b)	9.1.24	3½ X 95 sq. mm (45mm)	Each	4	366.00	1464.00
c)	9.1.29	3½ X 240 sq. mm (62mm)	Each	4	771.00	3084.00
d)	9.1.30	3½ X 300 sq. mm (70mm)	Each	8	867.00	6936.00
18	2.21	Providing and fixing M.V. danger notice plate of 200 mm X 150 mm, made of mild steel, at least 2 mm thick, and vitreous enameled white on both sides, and with inscription in single red colour on front side as required.	Each	1	121.00	121.00
19	2.22	Providing and fixing H.T. danger notice plate of 250 mm X 200 mm, made of mild steel, at least 2 mm thick, and vitreous enameled white on both sides, and with inscription in single red colour on front side as required.	Each	1	135.00	135.00
20	5.6	Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	Set	16	8559.00	136944.00
21	5.10	Providing and fixing 25 mm X 5 mm copper strip in 40 mm dia G.I. pipe from earth electrode including connection with brass nut, bolt, spring, washer excavation and re-filling etc. as required.	Metre	60	962.00	57720.00
22	5.14	Providing and fixing 25 mm X 5 mm copper strip on surface or in recess for connections etc. as required.	Metre	160	766.00	122560.00

23	10.2	Supplying and making outdoor cable end jointing with cast resin compound, including lugs and other jointing materials, for following size of 3 core, XLPE aluminium conductor cable of 11 KV grade as required :				
a)	10.2.4	300 sq. mm	Each	6	8029.00	48174.00
TOTAL FOR SCHEDULE ITEMS					(B)	578233.00