

Updated List of ESDM Courses approved on 22nd January 2016

Course Code: **AB/C/DE/FGH I** where

AB: EL/NL/TL (ESSCI/NIELIT/TSSC), **C:** S or M (S-Service, M-Manufacturing), **DE:** Level (e.g.

L1/L2/L3...), **FGHI:** Course Number (C001, course no.1...)

S. No	Course Code	Agency	Course	Industry Vertical	Level	Duration (in hour)	Eligibility	Sector
1	EL/S/L2/C001	ESSCI	DTH Set-top-box Installer and Service Technician	Communications Electronics	L2	200	8 th Pass	Service
	TL/S/L2/C022	TSSC						
2	EL/S/L2/C002	ESSCI	DAS (Digital Addressable System) Set-top-box Installer and Service Technician	Communications Electronics	L2	200	8 th Pass	Service
	TL/S/L2/C023	TSSC						
3	EL/S/L3/C003	ESSCI	Field Technician- Air conditioner	Consumer Electronics	L3	350	10 th Pass	Service
4	EL/S/L3/C004	ESSCI	Installation Technician - Computing and Peripherals	IT Hardware	L3	350	10 th Pass	Service
	TL/S/L3/C024	TSSC						
5	EL/S/L4/C005	ESSCI	Field Engineer - RACW (Refrigerator, AC & Washing Machine)	Consumer Electronics	L4	350	12 th Pass/ITI	Service
6	EL/S/L4/C006	ESSCI	Field Technician – Computing and Peripherals	IT Hardware	L4	350	12 th Pass	Service
7	EL/S/L4/C007	ESSCI	Solar Panel Installation Technician	Solar Electronics	L4	350	12 th Pass	Service
	TL/S/L4/C025	TSSC						
8	EL/S/L4/C008	ESSCI	Pick and Place Assembly Operator	PCB Assembly	L4	350	12 th Pass	Service
	TL/S/L4/C026	TSSC						
9	EL/S/L5/C009	ESSCI	Field Technician – Networking and Storage	IT Hardware	L5	400	Diploma	Service
	TL/S/L5/C027	TSSC						
10	EL/S/L1/C010	ESSCI	Testing of Emergency Light & Solar Lantern	Photovoltaic Segment (Solar Panel)	L1	200	8 th Pass having Knowledge of Basic Science	Service
11	EL/S/L2/C011	ESSCI	Wireman-Control Panel	Industrial Electronics	L2	200	8 th Pass	Service
	TL/S/L2/C028	TSSC						
12	EL/M/L3/C012	ESSCI	Through Hole Assembly Operator	PCB Assembly	L3	350	10 th + ITI or 12 th pass	Manufacturing
	TL/M/L3/C029	TSSC						
13	EL/M/L3/C013	ESSCI	Circuit Imaging Operator	PCB Assembly	L3	350	10 th pass	Manufacturing
	TL/M/L3/C030	TSSC						
14	EL/S/L3/C014	ESSCI	CCTV Installation technician	IT Hardware	L3	350	10 th pass	Service
	TL/S/L3/C031	TSSC						
15	EL/S/L3/C015	ESSCI	Access Controls Installation Technician	IT hardware	L3	350	10 th pass	Service
16	EL/M/L4/C016	ESSCI	LED Mechanical Assembly Operator	LED Lighting	L4	350	10 th + ITI, 12 th Pass, Other non-Science	Manufacturing

							graduates	
17	EL/M/L4/ C017	ESSCI	Assembly Operator- RAC(Refrigerator, AC)	Consumer Electronics	L4	350	10th + ITI or 12th pass	Manufacturing
18	EL/M/L4/ C018	ESSCI	Certificate Course in LED Light Mechanical Assembly	LED & Photovoltaic	L4	350	12th Pass	Manufacturing
19	EL/S/L4/ C019	ESSCI	Security System Installer	Electronic Security	L4	350	ITI/ Diploma	Service
20	EL/S/L4/ C020	ESSCI	Tech Support	Solar Electronics	L4	350	ITI/ Diploma /Graduates	Service
21	NL/S/L1/ C001	NIELIT	Installation & Maintenance of Photocopiers and Printers	Office Automation	L1	200	8th Pass/ITI	Service
22	NL/S/L3/ C002	NIELIT	Certificate Course in Electronic Product Testing	Electronic Product Design	L3	360	10th / 12th Pass with Science background	Service
	EL/S/L3/ C021	ESSCI						
	TL/S/L3/ C032	TSSC						
23	NL/S/L3/ C003	NIELIT	Repair & Maintenance of Power Supply, Inverter & UPS	Industrial Electronics	L3	350	10th Pass/ITI	Service
	EL/S/L3/ C022	ESSCI						
	TL/S/L3/ C033	TSSC						
24	NL/S/L3/ C004	NIELIT	Repair & Maintenance of Dental equipment	Medical Electronics	L3	350	10th Pass	Service
25	NL/S/L3/ C005	NIELIT	Repair & Maintenance of Imaging Equipment (X-Ray & Ultrasound machine)	Medical Electronics	L3	350	10th Pass	Service
26	NL/S/L3/ C006	NIELIT	Repair & Maintenance of Electrocardiogram (ECG) and Intensive Coronary Care Unit (ICCU) Equipment	Medical Electronics	L3	350	10th Pass	Service
27	NL/S/L4/ C007	NIELIT	Diploma in Installation & Repair of Consumer Electronics Products	Consumer Electronics	L4	350	ITI or 12 th Pass	Service
	EL/S/L4/ C023	ESSCI						
28	NL/S/L5/ C008	NIELIT	Post Diploma in Repair & Maintenance of Hospital Equipment	Medical Electronics	L5	400	Diploma Holder / B.Sc	Service
29	NL/S/L5/ C009	NIELIT	Diploma in Repair & Maintenance of Industrial Instrumentation &Automation System	Industrial Automation	L5	400	ITI / Diploma / BSc	Service
	EL/S/L5/ C024	ESSCI						
30	NL/S/L2/ C010	NIELIT	Assembly & Maintenance of PCs	Computer Hardware	L2	240	Polytechnic Diploma/Gra duation/ ITI/12 th /10 th	Service
31	NL/S/L2/ C011	NIELIT	Installation Repair & Maintenance. Of EPABX System	Telecom Segment	L2	200	9 th Pass	Service
	TL/S/L2/ C034	TSSC						
32	NL/M/L4/ C012	NIELIT	Automation Technology- Basic Level	Industrial Automation	L4	For Technical Students : 330 Hrs	Diploma in /Electronics/I nstrumentatio n/ Mechanical/ Electrical – for Technical students. No	Manufacturing

	EL/M/L4/ C025	ESSCI				Non Technical Students : 390 Hrs	n Technical Students: 12th pass with science background and affinity towards technical studies	
33	NL/M/L4/ C013	NIELIT	Certificate in Robotic Programming & Maintenance	Industrial Automation	L4	325	12th pass	Manufacturing
	EL/M/L4/ C026	ESSCI						
34	NL/S/L4/ C014	NIELIT	Telecom Technician-PC Hardware and Networking	Office Automation, IT & networking	L4	350	12th Pass	Service
	TL/S/L4/ C035	TSSC						
	EL/S/L4/ C027	ESSCI						
35	NL/M/L4/ C015	NIELIT	Computer Aided Product Design	Electronic Product Design	L4	360	Polytechnic Diploma/ Graduation/ ITI/12th/ 10th	Manufacturing
	TL/M/L4/ C036	TSSC						
	EL/M/L4/ C028	ESSCI						
36	NL/M/ L5/C016	NIELIT	Embedded System Design using 8-Bit Microcontroller	Embedded System & VLSI	L5	400	Diploma	Manufacturing
	TL/M/ L5/C037	TSSC						
	EL/M/ L5/C029	ESSCI						
37	NL/M/ L5/C017	NIELIT	Post Diploma in VLSI Design, Tools & Technology	Embedded System & VLSI	L5	400	Diploma Holder or BSc. Graduate	Manufacturing
	EL/M/ L5/C030	ESSCI						
38	NL/M/L5/ C018	NIELIT	Automation Technology- Intermediate Level	Industrial Automation	L5	Technical Students -400 Hrs	Diploma in /Electronics /Instrument ation/ Mechanical /Electrical – for Technical students.	Manufacturing
	EL/M/L5/ C031	ESSCI					Non- Technical Students -450 Hrs	
39	NL/M/L5/ C019	NIELIT	Automation Technology- Advanced Level	Industrial Automation	L5	520	Diploma in Electronics/I nstrumentatio n/ Mechanical/ Electrical /	Manufacturing

	EL/M/L5/ C032	ESSCI					Graduates, with science background and affinity towards technical studies	
40	NL/S/L4/ C020	NIELIT	CHM-‘O’ Level	Office Automation, IT & Networking	L4	400 hrs	12th Pass/ITI/Dipl oma, graduation or more	Service
41	NL/S/L4/ C021	NIELIT	Installation, Repair and Maintenance of Home Appliances	Consumer Electronics (Home Appliances)	L4	350 Hours	10th + ITI, 12th pass, non-science graduates	Service
	TL/S/L4/ C038	TSSC						
	EL/S/L4/ C033	ESSCI						
42	NL/M/L4/ C022	NIELIT	Solar-LED Lighting Products (Design and Manufacturing)	Solar Electronics	L4	350 hrs	10th + ITI, 12th pass	Manufacturing
	EL/M/L4/ C034	ESSCI						
43	NL/S/L5/ C023	NIELIT	CHM-‘A’ Level	Office Automation, IT & Networking	L5	470 hrs	Diploma	Service
44	TL/S/L3/ C001	TSSC	Optical Fiber Splicer	Telecom	L3	350	10 th Pass	Service
45	TL/S/L4/ C002	TSSC	Tower Technician	Telecom	L4	350	10+2 and/or ITI Diploma in Electrical/ Mechanical including final year candidates	Service
46	TL/S/L4/ C003	TSSC	Handset repair Engineer (Level II)	Telecom	L4	350	10+2 / ITI(including final year candidates)	Service
47	TL/S/L4/ C004	TSSC	Broadband Technician	Telecom	L4	350	10+2	Service
	EL/S/L4/ C035	ESSCI						
48	TL/S/L4/ C005	TSSC	Optical Fiber Technician	Telecom	L4	350	10+2	Service
49	TL/S/L5/ C006	TSSC	Installation Engineer SDH(Synchronous digital hierarchy) & DWDM(Dense wavelength Division Multiplexing)	Telecom	L5	400	Diploma(incl uding final year candidate)	Service
50	TL/S/L5/ C007	TSSC	Installation Engineer Networking Layer2 & Layer3	Telecom	L5	400	Diploma(incl uding final year candidate)	Service
	EL/S/L5/ C036	ESSCI						
51	TL/M/L2/ C008	TSSC	Telecom Test Technician	Telecom Electronics	L2	200	a) ITI - Electronics, Electrical, Instrumentati on, b) Diploma – Electronics, Electrical, Instrumentati on c) Vocational Education Training (Final year candidate pursuing in ITI/Diploma)	Manufacturing

52	TL/M/L3/ C009	TSSC	Board Bring Up Engineer	Telecom Electronics	L3	350	10th, Undergoing ITI, Electronic/ Electrical/ Mechanical(including final year candidates)	Manufacturing
	EL/M/L3/ C037	ESSCI						
53	TL/M/L4/ C010	TSSC	Telecom Embedded Hardware Developer	Telecom Electronics	L4	350	Diploma (including final year candidate)	Manufacturing
	EL/M/L4/ C038	ESSCI						
54	TL/S/L2/ C011	TSSC	Telecom Installation and repair worker	Passive Infra	L2	200	8th	Service
55	TL/S/L3/ C012	TSSC	Telecom Industry Network Security Technician	Telecom Industry Engineer	L3	350	ITI/ Diploma	Service
56	TL/M/L4/ C013	TSSC	Electrical testing of telecom assemblies	Telecom Manufacturing	L4	350	ITI / Diploma (electronics) or Bsc.(Electronics)	Manufacturing
57	TL/S/L4/ C014	TSSC	Grass Root telecom Provider	Network Management	L4	350	10th + ITI, 12th pass	Service
	EL/S/L4/ C039	ESSCI						
58	TL/M/L4/ C015	TSSC	IPC(Institute of Printed Circuits) acceptability criteria of Telecom PCB(Printed Circuit Board) assemblies	Telecom Manufacturing	L4	350	ITI / Diploma (electronics) or Bsc.(Electronics)	Manufacturing
	EL/M/L4/ C040	ESSCI						
59	TL/M/L4/ C016	TSSC	SMT(Surface Mount Technology) process for telecom boards	Telecom Manufacturing	L4	350	ITI / Diploma (electronics) or Bsc.(Electronics)	Manufacturing
	EL/M/L4/ C041	ESSCI						
60	TL/M/L4/ C017	TSSC	Soldering of telecom board assemblies	Telecom Manufacturing	L4	350	ITI / Diploma (electronics) or Bsc.(Electronics)	Manufacturing
	EL/M/L4/ C042	ESSCI						
61	TL/S/L4/ C018	TSSC	Telecom tower equipment installer and integrator	Passive Infra	L4	350	10+2/ITI	Service
62	TL/S/L4/ C019	TSSC	Telecom industry network specialist	Network Operation & Maint.	L4	370	ITI/ Diploma	Service
63	TL/S/L4/ C020	TSSC	Tele-health Technician	Medical Electronics	L4	350	10th +ITI /Diploma (Electronics, Instrumentation, Biomedical	Service
64	TL/M/L4/ C021	TSSC	Telecom Quality Technician	Telecom Manufacturing	L4	350	ITI / Diploma (Electrical, electronics, Instrumentation)	Manufacturing
	EL/M/L4/ C043	ESSCI						
65	TL/M/L5/ C039	TSSC	Line Repair Technician	Telecom Manufacturing	L5	630	12th Pass + Certified in Line Assembler L4 course.	Manufacturing
66	NL/M/L5/ C024	NIELIT	Additive Manufacturing/3 D Printing	Digital Fabrication	L5	400	Diploma Holder or B Sc Graduate	Manufacturing

	EL/M/L5/ C044	ESSCI				Hours	and not less than 18 Years of age	
67	NL/M/L5/ C025	NIELIT	3 D Scanning and CNC routing	Digital Fabrication	L5	400 Hours	Diploma Holder or B Sc Graduate and not less than 18 Years of age	Manufacturing
68	EL/S/L4/ C045	ESSCI	Electronic Security System Technician	IT Hardware	L4	350	ITI / 12th Pass	Service
69	EL/S/L4/ C046	ESSCI	Digital Cable TV Technician	Communication Electronics	L4	350	ITI / 12th Pass	Service
Category – Telecom/Mobile Assembly								
70	TL/M/L4/ C040	TSSC	Line Assembler	Telecom Manufacturing	L4	630	12th Pass	Manufacturing
71	EL/M/L4/ C047	ESSCI	Mobile Phone Assembly Operator	Consumer Electronics	L4	350	ITI/ 12th Pass	Manufacturing
Category – Telecom/Mobile Quality Technician/ Inspector								
72		TSSC	Telecom Quality Technician– Already approved TL/M/L4/C021	Telecom Manufacturing	L4	350	ITI / Diploma (Electrical, electronics, Instrumentati on)	Manufacturing
	EL/M/L5/ C048	ESSCI	Mobile Phone quality Inspector	Consumer Electronics	L5	400	Diploma / Other Graduates	Manufacturing
Category – Mobile Handset Repair Technician/ Engineer								
73		TSSC	Handset repair Engineer (Level II) – Already approved TL/S/L4/C003	Telecom	L4	350	10+2 / ITI(including final year candidates)	Service
	EL/S/L4/ C049	ESSCI	Mobile Phone hardware Repair Technician	Consumer Electronics	L4	350	ITI/12th Pass	Service