Updated List of ESDM Courses approved on 08th June 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	Owner KIA	Course	Industry Vertical	Level	Duration (in hour)*	Eligibility	Sector
1	EL/S/L2/C001 TL/S/L2/C022 NL/S/L2/C026	ESSCI	DTH Set-top-box Installer and Service Technician	Communications Electronics	L2	200	8th Pass	Service
2	EL/S/L2/C002 TL/S/L2/C023 NL/S/L2/C027	ESSCI	DAS (Digital Addressable System) Set-top-box Installer and Service Technician	Communications Electronics	L2	200	8th Pass	Service
3	EL/S/L3/C003 TL/S/L3/C041 NL/S/L3/028	ESSCI	Field Technician- Air conditioner	Consumer Electronics	L3	350	10th Pass	Service
4	EL/S/L3/C004 TL/S/L3/C024 NL/S/L3/C029	ESSCI	Installation Technician - Computing and Peripherals	IT Hardware	L3	350	10th Pass	Service
5	EL/S/L4/C005 TL/S/L4/C042 NL/S/L4/C030	ESSCI	Field Engineer - RACW (Refrigerator, AC & Washing Machine)	Consumer Electronics	L4	350	12th Pass/ITI	Service
6	EL/S/L4/C006 TL/S/L4/C043 NL/S/L4/C031	ESSCI	Field Technician – Computing and Peripherals	IT Hardware	L4	350	12th Pass	Service
7	EL/S/L4/C007 TL/S/L4/C025 NL/S/L4/C032	ESSCI	Solar Panel Installation Technician	Solar Electronics	L4	350	12th Pass	Service
8	EL/S/L4/C008 TL/S/L4/C026 NL/S/L4/C033	ESSCI	Pick and Place Assembly Operator	PCB Assembly	L4	350	12th Pass	Service
9	EL/S/L5/C009 TL/S/L5/C027 NL/S/L5/C034	ESSCI	Field Technician – Networking and Storage	IT Hardware	L5	400	Diploma	Service
10	EL/S/L1/C010 TL/S/L1/C044 NL/S/L1/C035	ESSCI	Testing of Emergency Light & Solar Lantern	Photovoltaic Segment (Solar Panel)	L1	200	8th Pass having Knowledge of Basic Science	Service
11	EL/S/L2/C011 TL/S/L2/C028 NL/S/L2/C036	ESSCI	Wireman-Control Panel	Industrial Electronics	L2	200	8th Pass	Service
12	EL/M/L3/C012 TL/M/L3/C029 NL/M/L3/C037	ESSCI	Through Hole Assembly Operator	PCB Assembly	L3	350	10th + ITI or 12th pass	Manufacturing
13	EL/M/L3/C013 TL/M/L3/C030 NL/M/L3/C038	ESSCI	Circuit Imaging Operator	PCB Assembly	L3	350	10th pass	Manufacturing
14	EL/S/L3/C014 TL/S/L3/C031 NL/S/L3/C039	ESSCI	CCTV Installation technician	IT Hardware	L3	350	10th pass	Service
15	EL/S/L3/C015 TL/S/L3/C045 NL/S/L3/C040	ESSCI	Access Controls Installation Technician	IT hardware	L3	350	10th pass	Service
16	EL/M/L4/C016 TL/M/L4/C046 NL/M/L4/C041	ESSCI	LED Mechanical Assembly Operator	LED Lighting	L4	350	10th + ITI, 12th Pass, Other non-Science graduates	Manufacturing
17	EL/M/L4/C017 TL/M/L4/C047 NL/M/L4/C042	ESSCI	Assembly Operator-RAC(Refrigerator, AC)	Consumer Electronics	L4	350	10th + ITI or 12th pass	Manufacturing
18	EL/M/L4/C018 TL/M/L4/C048	ESSCI	Certificate Course in LED Light Mechanical	LED & Photovoltaic	L4	350	12th Pass	Manufacturing

	NL/M/L4/C043		Assembly					
19	EL/S/L4/C019 TL/S/L4/C049 NL/S/L4/C044	ESSCI	Security System Installer	Electronic Security	L4	350	ITI/ Diploma	Service
20	EL/S/L4/C020 TL/S/L4/C050 NL/S/L4/C045	ESSCI	Tech Support	Solar Electronics	L4	350	ITI/ Diploma /Graduates	Service
21	NL/S/L1/C001 EL/S/L1/C050 TL/S/L1/C051	NIELIT	Installation & Maintenance of Photocopiers and Printers	Office Automation	L1	200	8th Pass/ITI	Service
22	NL/S/L3/C002 EL/S/L3/C021 TL/S/L3/C032	NIELIT	Certificate Course in Electronic Product Testing	Electronic Product Design	L3	360	10th / 12th Pass with Science background	Service
23	NL/S/L3/C003 EL/S/L3/C022 TL/S/L3/C033	NIELIT	Repair & Maintenance of Power Supply, Inverter & UPS	Industrial Electronics	L3	350	10th Pass/ITI	Service
24	NL/S/L3/C004 EL/S/L3/C051 TL/S/L3/C052	NIELIT	Repair & Maintenance of Dental equipment	Medical Electronics	L3	350	10th Pass	Service
25	NL/S/L3/C005 EL/S/L3/C052 TL/S/L3/C053	NIELIT	Repair & Maintenance of Imaging Equipment (X-Ray & Ultrasound machine)	Medical Electronics	L3	350	10th Pass	Service
26	NL/S/L3/C006 EL/S/L3/C053 TL/S/L3/C054	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 EL/S/L4/C023 TL/S/L4/C055	NIELIT	Diploma in Installation & Repair of Consumer Electronics Products	Consumer Electronics	L4	350	ITI or 12th Pass	Service
28	NL/S/L5/C008 EL/S/L5/C054 TL/S/L5/C056	NIELIT	Post Diploma in Repair & Maintenance of Hospital Equipment	Medical Electronics	L5	400	Diploma Holder / B.Sc	Service
29	NL/S/L5/C009 EL/S/L5/C024 TL/S/L5/C057	NIELIT	Diploma in Repair & Maintenance of Industrial Instrumentation &Automation System	Industrial Automation	L5	400	ITI / Diploma / BSc	Service
30	NL/S/L2/C010 EL/S/L2/C055 TL/S/L2/C058	NIELIT	Assembly & Maintenance of PCs	Computer Hardware	L2	240	Polytechnic Diploma/Graduation/ ITI/12th/10th	Service
31	NL/S/L2/C011 TL/S/L2/C034 EL/S/L2/C056	NIELIT	Installation Repair & Maintenance. Of EPABX System	Telecom Segment	L2	200	9th Pass	Service
32	NL/M/L4/C012 EL/M/L4/C025 TL/M/L4/C059	NIELIT	Automation Technology-Basic Level	Industrial Automation	L4	For Technical Students : 330 Hrs Non Technical Students : 390 Hrs	Diploma in /Electronics/Instrumentation/ Mechanical/ Electrical – for Technical students. Non Technical Students: 12th pass with science background and	Manufacturing

							affinity towards technical studies	
33	NL/M/L4/C013 EL/M/L4/C026 TL/M/L4/C060	NIELIT	Certificate in Robotic Programming & Maintenance	Industrial Automation	L4	325	12th pass	Manufacturing
34	NL/S/L4/C014 TL/S/L4/C035 EL/S/L4/C027	NIELIT	Telecom Technician-PC Hardware and Networking	Office Automation, IT & networking	L4	350	12th Pass	Service
35	NL/M/L4/C015 TL/M/L4/C036 EL/M/L4/C028	NIELIT	Computer Aided Product Design	Electronic Product Design	L4	360	Polytechnic Diploma/ Graduation/ ITI/12th/ 10th	Manufacturing
36	NL/M/ L5/C016 TL/M/ L5/C037 EL/M/ L5/C029	NIELIT	Embedded System Design using 8-Bit Microcontroller	Embedded System & VLSI	L5	400	Diploma	Manufacturing
37	NL/M /L5/C017 EL/M /L5/C030 TL/M/ L5/C061	NIELIT	Post Diploma in VLSI Design, Tools & Technology	Embedded System & VLSI	L5	400	Diploma Holder or BSc. Graduate	Manufacturing
38	NL/M/L5/C018 EL/M/L5/C031 TL/M/ L5/C062	NIELIT	Automation Technology-Intermediate Level	Industrial Automation	L5	Technical Students – 400 Hrs	Diploma in /Electronics/Instrumentation/ Mechanical/Electrical – for Technical students.	Manufacturing
						Non-Technical Students – 450 Hrs	Non Technical Students: Diploma	
39	NL/M/L5/C019 EL/M/L5/C032 TL/M/ L5/C063	NIELIT	Automation Technology-Advanced Level	Industrial Automation	L5	520	Diploma in Electronics/Instrumentation/ Mechanical/Electrical / Graduates, with science background and affinity towards technical studies	Manufacturing
40	NL/S/L4/C020 TL/S/L4/C064 EL/S/L4/C057	NIELIT	CHM-‘O’ Level	Office Automation, IT & Networking	L4	400 hrs	12th Pass/ITI/Diploma, graduation or more	Service
41	NL/S/L4/C021 TL/S/L4/C038 EL/S/L4/C033	NIELIT	Installation, Repair and Maintenance of Home Appliances	Consumer Electronics (Home Appliances)	L4	350 Hours	10th + ITI, 12th pass, non-science graduates	Service
42	NL/M/L4/C022 EL/M/L4/C034 TL/M/ L4/C065	NIELIT	Solar-LED Lighting Products (Design and Manufacturing)	Solar Electronics	L4	350 hrs	10th + ITI, 12th pass	Manufacturing
43	NL/S/L5/C023 TL/S/L5/C066 EL/S/L5/C058	NIELIT	CHM-‘A’ Level	Office Automation, IT & Networking	L5	470 hrs	Diploma	Service
44	TL/S/L3/C001 NL/S/L3/C046 EL/S/L3/C059	TSSC	Optical Fiber Splicer	Telecom	L3	350	10th Pass	Service

45	TL/S/L4/C002 NL/S/L4/C047 EL/S/L4/C060	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 NL/S/L4/C048 EL/S/L4/C061	TSSC	Handset repair Engineer (Level II)	Telecom	L4	350	10+2 / ITI(including final year candidates)	Service
47	TL/S/L4/C004 EL/S/L4/C035 NL/S/L4/C049	TSSC	Broadband Technician	Telecom	L4	350	10+2	Service
48	TL/S/L4/C005 EL/S/L4/C062 NL/S/L4/C050	TSSC	Optical Fiber Technician	Telecom	L4	350	10+2	Service
49	TL/S/L5/C006 EL/S/L5/C063 NL/S/L5/C051	TSSC	Installation Engineer SDH(Synchronous digital hierarchy) & DWDM(Dense wavelength Division Multiplexing)	Telecom	L5	400	Diploma(including final year candidate)	Service
50	TL/S/L5/C007 EL/S/L5/C036 NL/S/L5/C052	TSSC	Installation Engineer Networking Layer2 & Layer3	Telecom	L5	400	Diploma(including final year candidate)	Service
51	TL/M/L2/C008 EL/M/L2/C064 NL/M/L2/C053	TSSC	Telecom Test Technician	Telecom Electronics	L2	200	a) ITI - Electronics, Electrical, Instrumentation, b) Diploma – Electronics, Electrical, Instrumentation c) Vocational Education Training (Final year candidate pursuing in ITI/Diploma)	Manufacturing
52	TL/M/L3/C009 EL/M/L3/C037 NL/M/L3/C054	TSSC	Board Bring Up Engineer	Telecom Electronics	L3	350	10th,Undergoing ITI, Electronic/ Electrical/ Mechanical(including final year candidates)	Manufacturing
53	TL/M/L4/C010 EL/M/L4/C038 NL/M/L4/C055	TSSC	Telecom Embedded Hardware Developer	Telecom Electronics	L4	350	Diploma (including final year candidate)	Manufacturing
54	TL/S/L2/C011 EL/S/L2/C065 NL/S/L2/C056	TSSC	Telecom Installation and repair worker	Passive Infra	L2	200	8th	Service
55	TL/S/L3/C012 EL/S/L3/C066 NL/S/L3/C057	TSSC	Telecom Industry Network Security Technician	Telecom Industry Engineer	L3	350	ITI/ Diploma	Service
56	TL/M/L4/C013 EL/M/L4/C067 NL/M/L4/C058	TSSC	Electrical testing of telecom assemblies	Telecom Manufacturing	L4	350	ITI / Diploma (electronics) or Bsc.(Electronics)	Manufacturing
57	TL/S/L4/C014 EL/S/L4/C039 NL/S/L4/C059	TSSC	Grass Root telecom Provider	Network Management	L4	350	10th + ITI, 12th pass	Service

58	TL/M/L4/C015 EL/M/L4/C040 NL/M/L4/C060	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
59	TL/M/L4/C016 EL/M/L4/C041 NL/M/L4/C061	TSSC	SMT(Surface Mount Technology) process for telecom boards	Telecom Manufacturing	L4	350	ITI / Diploma (electronics) or Bsc.(Electronics)	Manufacturing
60	TL/M/L4/C017 EL/M/L4/C042 NL/M/L4/C062	TSSC	Soldering of telecom board assemblies	Telecom Manufacturing	L4	350	ITI / Diploma (electronics) or Bsc.(Electronics)	Manufacturing
61	TL/S/L4/C018 EL/S/L4/C068 NL/S/L4/C063	TSSC	Telecom tower equipment installer and integrator	Passive Infra	L4	350	10+2/ITI	Service
62	TL/S/L4/C019 EL/S/L4/C069 NL/S/L4/C064	TSSC	Telecom industry network specialist	Network Operation & Maint.	L4	370	ITI/ Diploma	Service
63	TL/S/L4/C020 EL/S/L4/C070 NL/S/L4/C065	TSSC	Tele-health Technician	Medical Electronics	L4	350	10th +ITI /Diploma (Electronics, Instrumentation, Biomedical	Service
64	TL/M/L4/C021 EL/M/L4/C043 NL/M/L4/C066	TSSC	Telecom Quality Technician	Telecom Manufacturing	L4	350	ITI / Diploma (Electrical, electronics, Instrumentation)	Manufacturing
65	TL/M/L5/C039 EL/M/L5/C071 NL/M/L5/C067	TSSC	Line Repair Technician	Telecom Manufacturing	L5	630	12th Pass + Certified in Line Assembler L4 course.	Manufacturing
66	NL/M/L5/C024 EL/M/L5/C044 TL/M/L5/C067	NIELIT	Additive Manufacturing/3 D Printing	Digital Fabrication	L5	400	Diploma Holder or B Sc Graduate and not less than 18 Years of age	Manufacturing
67	NL/M/L5/C025 EL/M/L5/C072 TL/M/L5/C068	NIELIT	3 D Scanning and CNC routing	Digital Fabrication	L5	400	Diploma Holder or B Sc Graduate and not less than 18 Years of age	Manufacturing
68	EL/S/L4/C045 NL/S/L4/C068 TL/S/L4/C069	ESSCI	Electronic Security System Technician	IT Hardware	L4	350	ITI / 12th Pass	Service
69	EL/S/L4/C046 NL/S/L4/C069 TL/S/L4/C070	ESSCI	Digital Cable TV Technician	Communication Electronics	L4	350	ITI / 12th Pass	Service
Category – Telecom/Mobile Assembly								
70	TL/M/L4/C040 EL/M/L4/C073 NL/M/L4/C070	TSSC	Line Assembler	Telecom Manufacturing	L4	630	12th Pass	Manufacturing
71	EL/M/L4/C047 NL/M/L4/C071 TL/M/L4/C071	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, Instrumentation)	Manufacturing

	EL/M/L5/C048 NL/M/L5/C072 TL/M/L5/C072	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 NL/S/L4/C073 TL/S/L4/C073	ESSCI	Mobile Phone hardware Repair Technician	Consumer Electronics	L4	350	ITI/12th Pass	Service
74	TL/S/L3/C074 NL/S/L3/C074 EL/S/L3/C074	TSSC	Telecom Rigger	Telecom Passive Infrastructure	L3	310	10th Passed	Service
75	TL/S/L4/C075 NL/S/L4/C075 EL/S/L4/C075	TSSC	RF Site Surveyor	Telecom Passive Infrastructure	L4	330	Preferably 10+2	Service
76	NL/M/L4/C076 TL/M/L4/C076 EL/M/L4/C076	NIELIT	ESM - 1 Electronic Production Technician	Industrial Electronics	L4	360	ITI /10th / 12 years of schooling	Manufacturing
77	NL/M/L5/C077 TL/M/L5/C077 EL/M/L5/C077	NIELIT	ESM-2 Electronic Product Supervisor	Industrial Electronics	L5	442	Diploma in Electronics/Electrical/Mechanical Engineering	Manufacturing
78	NL/M/L5/C078 TL/M/L5/C078 EL/M/L5/C078	NIELIT	ESD-1 Electronics Product Design Support Engineer	Industrial Electronics	L5	432	Diploma in Electronics/BSc. Electronics/Diploma in Electrical OR Diploma in Mechanical/Industrial with knowledge on basics of Electronics having interest in Electronic Product design.	Manufacturing
79	NL/M/L5/C079 TL/M/L5/C079 EL/M/L5/C079	NIELIT	Robotics Technology & Entrepreneurship	Industrial Automation	L5	400	- Diploma in Electrical & Electronics Engineering (EEE); Electronics & communication Engineering (ECE); Instrumentation Engineering; Mechatronics Engineering. -B.Sc in Electronics, Computer Science, Maths, Physics, Applied Chemistry	Manufacturing
80	EL/S/L3/C080 NL/S/L3/C080 TL/S/L3/C080	ESSCI	Field Technician – Water Purifier	Consumer Electronics	L3	350	10th Pass	Service

*** The course fee payable for each Level would be restricted to number of hours as prescribed under the Scheme Guidelines as amended from time to time.**