

## ELECTRICAL WORK GROUP GUIDELINES

SR. NO.	CATEGORY	WG. NO.	WORK GROUP DESCRIPTION	ACTIVITY DESCRIPTION	OLD DESCRIPTION	CRITERIA	ASSESSMENT GRADE (MILLIONS)			
							1	2	3	4
1	Consultant	1100500	POWER DISTRIBUTION AND MANAGEMENT CONSULTANCY	Design , supervision, Engineering, planning in power distribution work up to 33 KV	Same	C7	>2	1-2	0.5-1	<0.5
2	Consultant	1100600	POWER TRANSMISSION CONSULTANCY	Design, supervision, Engineering & Planning in Transmission works 132 KV & Above	Same	C7	>2	1-2	0.5-1	<0.5
3	Major	2500050	BUILDING ELECTRICAL WORKS – INDUSTRIAL	Electrical works in plants includes sewerage, pumping stations, power plants etc.. other than substations	Plant major Electrical works	C5	>10	3-10	1-3	25K-1
4	Major	2500100	ELECTRICAL WORKS – SOLAR INTEGRATOR	Electrical works related to solar systems	Solar powered Electrical works	C5	>10	3-10	1-3	25K-1
4	Major	2500200	BUILDING ELECTRICAL WORKS – RESIDENTIAL	Electrical works in residential and commercial buildings	BUILDING ELECTRICAL WORKS	C2	>100	50-100	10-50	3-10
5	Major	2500300	PUBLIC LIGHTING INSTALLATION	LIGHTING WORKS INCLUDES STREET LIGHTING	PUBLIC LIGHTING INSTALLATION AND MAINTENANCE	C4	>30	10-30	3-10	1-3
6	Major	2500500	SAFETY ALARMS AND SECURITY SYSTEMS	Installation of alarms systems & security systems in residential, commercial, plants & substations buildings	Same	C5	>10	3-10	1-3	25K-1
7	Major	2500800	CABLE WORKS – SUBMARINE	Installation, testing, design & commissioning HV, MV & LV submarine cables	Submarine cable laying	C2	>100	50-100	10-50	3-10
8	Major	2500900	CABLE WORKS – 132 KV AND ABOVE	1- Supply, Installation, testing, design and commissioning HV Cables 132 KV and above.	High Voltage cables 132 KV installation	C1	>500	100-500	50-100	20-50
				2- Excavation works	Power Transmission EPC					
9	Major	2100500	POWER DISTRIBUTION NETWORK – UP TO 22 KV	1- Supply, Installation, testing, design and commissioning of distribution equipments up to 22 KV 2- Excavation works	Power distribution networks - EPC	C3	>50	10-50	3-10	1-3

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10	Major	2501000	CABLE WORKS – LOW VOLTAGE	1- Supply, Installation, testing, design and commissioning LV cables, 2- Excavation works	Low voltage cables up to 1 KV installation	C5	>10	3-10	1-3	25K-1
11	Major	2501100	CABLE WORKS – UP TO 22 KV	1- Supply, Installation, testing, design and commissioning up to 22 KV cables, 2- Excavation works	Medium Voltage Cables 0.6, 11, 15 KV installation	C3	>50	10-50	3-10	1-3
12	Major	2501110	CABLE WORKS – 33 KV	1- Supply, Installation, testing, design and commissioning of 33 KV 2- Excavation works	Medium Voltage Cables 33 KV installation	C3	>50	10-50	3-10	1-3
13	Major	2501200	ELECTRICAL WORKS – PRIMARY SUBSTATIONS 132 KV AND ABOVE	Electrical works includes material installation, testing, design and commissioning of primary substations 132 KV, 220 KV & 400 KV.	Substation Turnkey High Voltage	C1	>500	100-500	50-100	20-50
					High Voltage Above 132 KV substation, Transformer & switchgear Installation					
14	Major	2501400	ELECTRICAL WORKS – PRIMARY SUBSTATIONS 33/11 KV	Electrical works includes material installation, testing, design and commissioning of primary substations 33/11 KV.	Substation Turnkey Medium Voltage	C1	>500	100-500	50-100	20-50
					Medium Voltage 33/11 KV substation, Transformer & switchgear Installation					
15	Major	2501300	ELECTRICAL WORKS – PACKAGE TYPE PRIMARY SUBSTATIONS 33/11 KV	Electrical works includes material installation, testing, design and commissioning of primary substations 33/11 KV.	Substation Turnkey Low Voltage	C2	>100	50-100	10-50	3-10
					Low Voltage substation, Transformer & switchgear Installation					

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16	Major	2501700	POWER TRANSMISSION – OVERHAD 132 KV AND ABOVE	1- Electrical works includes material installation, testing, design and commissioning of overhead lines 132 KV and above. 2- Towers Erection works.	Same	C2	>100	50-100	10-50	3-10
17	Major	2501705	POWER DISTRIBUTION – OVERHEAD UPTO 33 KV	Electrical works includes material installation, testing, design and commissioning of overhead lines up to 33 KV Towers Erection works	Same	C3	>50	10-50	3-10	1-3
18	Maintenance	3300050	ELECTRICAL MAINTENANCE WORKS – INDUSTRIAL	1. Electrical Maintenance works & rehabilitations in plants other than substation include sewerage, pumping stations, power plants. 2. Repairing and maintenance of equipments and machines	Electrical Plant/ equipment works and maintenance	C6	>5	2-5	1-2	25K-1
19	Maintenance	3300200	ELECTRICAL MAINTENANCE WORKS – SUBSTATIONS 132 KV AND ABOVE	Electrical Maintenance works in substations 132 KV and above. Repairing and maintenance of equipments and machines.	Substation/ switchgear & Transformer maintenance	C5	>10	3-10	1-3	25K-1
					O+M of High Voltage Substation					
20	Maintenance	3300210	ELECTRICAL MAINTENANCE WORKS – SUBSTATIONS 33/11 KV	Electrical Maintenance works in substations 33/11 KV Repairing and maintenance of equipments and machines	O+M of Low/Medium Voltage Substation	C5	>10	3-10	1-3	25K-1

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21	Maintenance	3300300	POWER DISTRUBTION NETWORK UPTO 22 KV MAINTENANCE	All kind of maintenance required in Power distribution network 22 KV. Not includes overhead lines	Cables, distribution maintenance	C5	>10	3-10	1-3	25K-1
22	Maintenance	3300350	POWER TRANSMISSION CABLES 132 KV & ABOVE MAINTENANCE	All kind of maintenance required in Power transmission cables 132 KV & above. Not includes overhead lines	Cables, Transmission maintenance	C5	>10	3-10	1-3	25K-1
23	Maintenance	3330100	POWER CABLES UP TO 33 KV MAINTENANCE	All kind of maintenance required in Power cables up to 33 KV. Not includes overhead lines	Cables Trays/ Rocks Maintenance	C6	>5	2-5	1-2	25K-1
24	Maintenance	3330300	OVERHEAD TRANSMISSION LINES 132 KV AND ABOVE MAINTENANCE	All kind of maintenance required in overhead lines 132 KV and Above Includes towers maintenance	Overhead Transmission lines maintenance	C5	>10	3-10	1-3	25K-1
25	Maintenance	3330400	OVERHEAD DISTRUBTION LINES UPTO 33 KV MAINTENANCE	All kind of maintenance required in overhead lines up to 33 KV Includes Towers maintenance	New	C5	>10	3-10	1-3	25K-1
26	Maintenance	3340400	LIGHTING SYSTEMS MAINTENANCE	Lighting maintenance includes street lighting maintenance	Same	C7	>2	1-2	0.5-1	<0.5
27	Maintenance	3340500	EARTHING SYSTEMS	Installation & Maintenance of earthing system	same	C6	>5	2-5	1-2	25K-1