

PRICE BID (RATE SCHEDULE) FOR OPAL DAHEJ, 2x30+4xFr BGTG MW, ELECTRICAL SYSTEMS

TS NO BHE/PW/PUR/DHJOI-ELE/1013

BHARAT HEAVY ELECTRICALS LIMITED, POWER SECTOR, WESTERN REGION

Handling at Storage Yard/ Stores, Transportation to Site, Calibration, Erection, Testing, Commissioning, Final Painting and Handing over of Electrical Works of OPAL DAHEJ and their Auxiliaries etc.

Sl.no	Discription of items	UOM	Quantity	RATE (In Rs)		AMOUNT (In Rs)
				IN FIGURES	IN WORDS	
SECTION-E1A: CABLE TRAYS AND ACCESSORIES						
E1A.1	LADDER TYPE 600 MM (W)x 120 (H) mm	Mtrs.	12,750			
E1A.2	LADDER TYPE 300 MM (W)x 120 (H) mm	Mtrs.	2,600			
E1A.3	LADDER TYPE 150 MM (W) x 120 (H) mm	Mtrs.	14,125			
E1A.4	PERFORATED TYPE 600 MM (W)x 120 (H) mm	Mtrs.	2,625			
E1A.5	PERFORATED TYPE 300 MM (W)x 120 (H) mm	Mtrs.	6,500			
E1A.6	PERFORATED TYPE 150 MM (W)x 120 (H) mm	Mtrs.	11,550			
E1A.7	PERFORATED TYPE 50 MM (W)x 120 (H) mm	Mtrs.	200			
SECTION-E2A : LT POWER CABLES						
E2A.1	3.5 C X 300 SQ MM ALUMINIUM	Mtrs.	10,000			
E2A.2	3.5C X 185 SQ MM ALUMINIUM	Mtrs.	10,000			
E2A.3	3C X 185 SQ MM ALUMINIUM	Mtrs.	2,300			
E2A.4	3.5C X 35 SQ MM ALUMINIUM	Mtrs.	15000			
E2A.5	3.5C X 95 SQ MM ALUMINIUM	Mtrs.	2000			
E2A.6	3C X 300 SQ MM ALUMINIUM	Mtrs.	5000			
E2A.7	3C X 120 SQ MM ALUMINIUM	Mtrs.	4000			
E2A.8	3C X 95 SQ MM ALUMINIUM	Mtrs.	8000			
E2A.9	3C X 70 SQ MM ALUMINIUM	Mtrs.	7500			
E2A.10	3C X 35 SQ MM ALUMINIUM	Mtrs.	7000			
E2A.11	3C X 50 SQ MM ALUMINIUM	Mtrs.	11500			
E2A.12	3C X 10 SQ MM ALUMINIUM	Mtrs.	15000			
E2A.13	1C X 120 SQ MM ALUMINIUM	Mtrs.	4200			
E2A.14	2Cx10 SQ MM	Mtrs.	4400			
E2A.15	2Cx35 SQ MM	Mtrs.	400			
E2A.16	2Cx2.5 SQ MM	Mtrs.	2200			
E2A.17	1Cx25 SQ MM	Mtrs.	2600			

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E2A.18	1Cx16 SQ MM	Mtrs.	200			
E2A.19	1C X 150 SQ MM COPPER	Mtrs.	3000			
E2A.20	1C X 35 SQ MM COPPER	Mtrs.	3000			
E2A.21	1C X 6 SQ MM COPPER	Mtrs.	2000			
E2A.22	1C X 240 SQ MM COPPER	Mtrs.	3000			
E2A.23	1C X 1000 SQ MM COPPER	Mtrs.	5000			
E2A.24	4C X 16 SQ MM COPPER	Mtrs.	20000			
E2A.25	3C X 10 SQ MM COPPER	Mtrs.	19000			
E2A.26	3C X 6 SQ MM COPPER	Mtrs.	43600			
E2A.27	3C X 4 SQ MM COPPER	Mtrs.	6000			
E2A.28	3C X 16 SQ MM COPPER	Mtrs.	8000			
E2A.29	3C X 2.5 SQ MM COPPER	Mtrs.	46500			
E2A.30	3C X 1.5 SQ MM COPPER	Mtrs.	5000			
E2A.31	2C X 2.5 SQ MM COPPER	Mtrs.	22500			
E2A.32	3C X 4 SQ MM COPPER	Mtrs.	114200			
E2B	HT POWER CABLES					
E2B.1	1C X 630 SQ MM COPPER(66KV)	Mtrs.	8,000			
E2B.2	1C X 630 SQ MM ALUMINIUM	Mtrs.	4,000			
E2B.3	1C X 630 SQ MM copper	Mtrs.	5,000			
E2B.4	3C X 300 SQ MM ALUMINIUM	Mtrs.	2,500			
E2B.5	3C X 185 SQ MM ALUMINIUM	Mtrs.	5,000			
SECTION-E2C : LT CONTROL CABLES (Generally Unarmoured/Armoured, Screened/Unscreened)						
E2C.1	3C X 2.5 SQ MM	Mtrs.	112000			
E2C.2	3C X 1.5 SQ MM	Mtrs.	10000			
E2C.3	5C X 2.5 SQ MM	Mtrs.	33440			

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				IN FIGURES	IN WORDS	
E2C.4	16C X 2.5 SQ MM	Mtrs.	18,000			
E2C.5	19C X 2.5 SQ MM	Mtrs.	10000			
E2C.6	24C X 2.5 SQ MM	Mtrs.	9900			
E2C.7	10C X 2.5 SQ MM	Mtrs.	63000			
E2C.8	12C X 2.5 SQ MM	Mtrs.	65500			
E2C.9	2C X 2.5 SQ MM	Mtrs.	27700			
E2C.10	7C X 2.5 SQ MM	Mtrs.	55400			
E2C.11	2C X 0.5 SQ MM	Mtrs.	500			
SECTION-E3 : JUNCTION BOXES AND PUSH BUTTON						
E3.1	Junction Boxes 485x150x360 mm approx.	Nos.	120			
E3.2	Start Stop Push Button Station 180X100X250 mm approx.	Nos.	300			
E3.3	4 way conduit branching JB 25mm conduit	Nos.	500			
E3.4	Start/ Stop PB station (stop PB with pad locking), Dimension 108x285x125 mm.approx.	Nos.	125			
E3.5	Start/ Stop PB station with Ammeter (stop PB with pad locking), Dimension 108 x 295 x 125 mm.approx.	Nos.	60			
E3.6	Emergency Stop PB (mushroom type), Dimension 145 x 245 x 116 mm.approx.	Nos.	30			
SECTION-E4 : STRUCTURAL STEEL						
E.4.1	Structural Steel fabrication & installation (MS angle, Channel, Plate etc)	MT	251			
SECTION-E5 A:SWITCHGEARS / MCC /PCC						
E5A.1	6.6 kV Station Switchgear Board (HT-0922) . Each Board shall have 32 panels and supplied in 16 loose shipping sections. Approx.Overall dimension of each panel 820(W)x2692(H)x2355 to 2655(D) mm, Each shipping section weight is approximately 3.00 MT.	Set	1			
E5A.2	6.6 kV Station Switchgear Board (HT-0923). Each Board shall have 25 panels and supplied in 13 loose shipping sections. Approx.Overall dimension of each panel 820(W)x2692(H)x2355 to 2655(D) mm, Each shipping section weight is approximately 3.00 MT.	Set	1			
E5A.3	6.6 kV Station Switchgear Board (HT-0924) . Each Board shall have 34 panels and supplied in 17 loose shipping sections. Approx.Overall dimension of each panel 820(W)x2692(H)x2355 to 2655(D) mm, Each shipping section weight is approximately 3.00 MT.	Set	1			

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E5A.4	415 Volt BOP MCC-1 , Single / Double Front, Approx Over all dimensions 16000x1350x2430 mm, Approx weight 7000 Kg. / MCC, Panels shall be supplied in loose shipping section.	set	1			
E5A.5	415 Volt HRSG MCC -1 ,2 &3 , Single / Double Front, Approx Over all dimensions 9600x1350x2430 mm, Approx weight 3000 Kg./ MCC, Panels shall be supplied in loose shipping section.	set	1			
E5A.6	415 Volt GT MCC 1,2 &3 , Single / Double Front, Approx Over all dimensions 15200x1350x2430 mm, Approx weight 7000 Kg./ MCC, Panels shall be supplied in loose shipping section.	set	1			
E5A.7	415 Volt VENT MCC-1 , Single / Double Front, Approx Over all dimensions 16000x1350x2430 mm, ApproxWeight 7000 Kg. / MCC, Panels shall be supplied in loose shipping section.	set	1			
E5A.8	415 Volt , ASB , Single / Double Front, Approx Over all dimensions 13600x1350x2430 mm, Approx Weight 5100 Kg. / MCC, Panels shall be supplied in loose shipping section.	set	1			
E5A.9	415 Volt BOILER MCC-1&2 ,Single / Double Front, Approx Over all dimensions16000x1350x2430 mm, Approx Weight 2700 Kg. / MCC, Panels shall be supplied in loose shipping section.	set	3			
E5A.10	415 Volt AC MCC-1 , Single / Double Front, Approx Over all dimensions 9600x1350x2430 mm, ApproxWeight 3000 Kg. / MCC, Panels shall be supplied in loose shipping section.	set	1			
E5A.11	416 Volt STG MCC-1&2 , Single / Double Front, Approx Over all dimensions 12000x1350x2430 mm, ApproxWeight 4800 Kg. / MCC, Panels shall be supplied in loose shipping section.	set	3			
E5A.12	415 Volt AC , MLDB , Single / Double Front, Approx Over all dimensions 7200X 950 X 2430 mm , Approx Weight 3000 Kg. / MCC, Panels shall be supplied in loose shipping section.	set	2			
E5A.13	110 Volt STATION DC , ELDB ,Single / Double Front, Approx Over all dimensions 9600 X 944 X 2500 mm, Approx Weight 3000 Kg. / MCC, Panels shall be supplied in loose shipping section.	set	2			
E5A.14	110 Volt STATION DCDB ,Single / Double Front, Approx Over all dimensions 6400 X 950 X 2430 mm, Approx Weight 2200 Kg. / MCC, Panels shall be supplied in loose shipping section.	set	2			
E5A.15	110 Volt UPS DB ,Single / Double Front, Approx Over all dimensions 13600 X 950 X 2430 mm, Approx Weight 5100 Kg. / MCC, Panels shall be supplied in loose shipping section.	set	1			
E5A.16	415 V PCC-1(11700X1754X2430 mm),weight is approximately 9.5 MT.	set	1			
E5A.17	415 V PCC-2(25000X1754X2430 mm),weight is approximately 20.0 MT.	set	1			
E5A.18	415 V PCC-3(10800x1754x2430 mm),weight is approximately 9.00 MT.	set	1			
E5A.19	415 V PCC-4(9900x1754x2430 mm),weight is approximately 8.00 MT.	set	1			
E5A.20	415 V PCC-5(16200x1754x2430 mm),weight is approximately 13.00 MT.	set	1			

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E5A.21	UB Soot Blower Motor control Center, double front, Approx overall dimension 9000(L)x2430(H)x944(W),approx WT 11.4 T approx., shall be supplied in eight to ten loose shipping sections	Nos	5			
SECTION-E5 B : STARTER PANEL/BOXES/POWER DISTRIBUTION BOX/MARSHALLING BOXES						
E5B.1	DC motor starter panels, etc (DC JOP, DC EOP, Seal oil panel,scanner air fan), including resistance boxes. Approx weight 0.5 MT and approx. dimension 1000x800x2415 mm each.	Nos	6			
SECTION-E5C: PANELS						
E5C.1	Generator ,Generator Transformer ,- Control ,protection & Metering panels for GTG .Approx dimension of each panel 1000x1000x2295(H),approx weight 600kg each panel	set	4			
E5C.2	Generator ,Generator Transformer ,- Control ,protection & Metering panels for STG .Approx dimension of each panel 1000x1000x2295(H),approx weight 600kg each panel	Set	2			
E5C.3	110 Volt DC ELDB , Single / Double Front, Approx Over all dimensions 1500 X 1000 X 2450 mm , Approx Weight 1000 Kg. / MCC, Panels shall be supplied in loose shipping section.	set	1			
E5C.4	110 Volt DCDB-1 , Single / Double Front, Approx Over all dimensions 4800 X 644 X 2500 mm , Approx Weight 3500 Kg. / MCC, Panels shall be supplied in loose shipping section.	set	2			
E5C.5	110 Volt STN DCDB , Single / Double Front, Approx Over all dimensions 5000 X 1000 X 2000 mm , Approx Weight 3000 Kg. / MCC, Panels shall be supplied in loose shipping section.	set	2			
E5C.6	110 Volt UPS DB , Single / Double Front, Approx Over all dimensions 5000 X 1000 X 2000 mm , Approx Weight 3000 Kg. / MCC, Panels shall be supplied in loose shipping section.	set	1			
E5C.7	SCAP PANELS Single / Double Front, Approx Over all dimensions 6000 X 1000 X 2300 mm, Approx Weight 4000 Kg. / MCC, Panels shall be supplied in loose shipping section.	set	1			
E5C.9	110 Volt Sattion Battery Charger ,Single / Double Front, Approx Over all dimensions 250000 X 830 X 2000 mm, Approx Weight 2000 Kg. / MCC, Panels shall be supplied in loose shipping section.	set	2			
SECTION-E5D : DIGITAL AUTOMATIC VOLTAGE REGULATOR FOR BRUSHLESS EXCITAION SYSTEM						
E.5D.1	Transportation from store / storage yard to erection site , Erection, Assembly, Testing & Commissioning of Digital Excitation Equipments / System , System consist of STG DAVR panels & accessories as per tender specification.	Set	2			
E.5D.2	Transportation from store / storage yard to erection site , Erection, Assembly, Testing & Commissioning of Digital Excitation Equipments / System , System consist of GTG DAVR panels & accessories as per tender specification.	Set	4			
E.5D.4	110V Station Battery 800AH,88 cell,Single / Double Front, Approx Over all dimensions 4370 X 830 X 2500 mm, Approx Weight 5500 Kg. , shall be supplied in loose shipping section.	Set	2			
SECTION-E5G : VARIABLE FREQUENCY DRIVE SYSTEM FOR ID FANS						

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E5G.1	Transportation from stores / storage yards to erection site , erection , assembly , testing & commissioning of VARIABLE FREQUENCY DRIVE of BFP FANS consist of Load Converter Inverter Panels,Adapter Panels,Control Panels. Reactors ,Transformers, Vacuum Breakers, flexible coupling and associated accessories, as per tender specification.	Set	2			
E5G.2	Transportation from stores / storage yards to erection site , erection , assembly , testing & commissioning of VARIABLE FREQUENCY DRIVE of FD FANS consist of Load Converter Inverter Panels,Adapter Panels,Control Panels. Reactors ,Transformers, Vacuum Breakers, flexible coupling and associated accessories, as per tender specification.	Set	2			
E5G.3	Transportation from stores / storage yards to erection site , erection , assembly , testing & commissioning of VARIABLE FREQUENCY DRIVE of GR FANS consist of Load Converter Inverter Panels,Adapter Panels,Control Panels. Reactors ,Transformers, Vacuum Breakers, flexible coupling and associated accessories, as per tender specification.	Set	21			
E5H	ILLUMINATION PACKAGE (LIGHTING SYSTEM) ,type of fixture/lamp/accessories					
E5H.1	Bulk Head Luminaire for 220V DC,100W GLS incandescent lamp.	Nos.	190			
E5H.2	Recess Mounted Downlight Luminaire for use With 220V DC,100W GLS incandescent lamp.	Nos.	50			
E5H.3	Surface Mounted general purpus basic pattern Luminaire with High freq. electronic ballast & vitreous enameled reflector for 2x36 W Fluorescent Lamps	Nos.	600			
E5H.4	Recess Mounted Decorative mirror optic luminaires with special aqua louvers for linear fluorescent lamps 4x14W T-5 Fixture	Nos.	600			
E5H.5	Corrosion Resistant indutrial batten Luminaire for 2x36W Fluorescent Lamps wit electronic ballast.	Nos.	50			
E5H.6	High Performance High Bay Luminairewith non intregal control gear box for HPMV 400W Lamp	Nos.	50			
	400W HPSV Flood Light Fixture	Nos.	14			
E5H.7	Street Light Luminairewith pot optics reflector,heat resistant toughened glasscover,energy efficient coopper ballast,electronic ignitor,power factor improvement capacitor etc. per wired up to terminal block for of HPSV 150W Lamp (IP65)	Nos.	70			
E5H.8	Street Light Luminairewith pot optics reflector,heat resistant toughened glasscover,energy efficient coopper ballast,electronic ignitor,power factor improvement capacitor etc. per wired up to terminal block for of HPMV 125W Lamp (IP54)	Nos.	70			

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E5H.9	Street Light Luminairewith pot optics reflector,heat resistant toughened glasscover,energy efficient cooper ballast,electronic ignitor,power factor improvement capacitor etc. per wired up to terminal block for of HPSV 70W Lamp (IP54)	Nos.	60			
E5H.10	Well Glass Luminaire along with non intregal control gear box for use with HPMV 125W (IP65).	Nos.	660			
E5H.11	Well Glass Luminaire along with non intregal control gear box for use with HPMV 80 W (IP65).	Nos.	65			
E5H.12	125 W HPMV Toughened Heat Resistance well glass bowl cemented to cast aluminium retaining ring & fixing to housing with non intregal control gear box suitable for hazardus area Gas group IIA ,IIB & zone 1&2	Nos.	280			
E5H.13	High performance high Bay luminaire with non intregal control gear box for Lights for 400W HPMV Lamp(IP54) Suitable for Gas group IIA IIB & zone 1&2.	Nos.	45			
E5H.14	100W GLS Lamps for SI no E5I.1 &E5I.2	Nos.	250			
E5H.15	36W Fluorescent lamps For SL NO E5I.3 &E5I.5	Nos.	2,000			
E5H.16	28W Fluorescent Lamps for SI No.E5I.4	Nos.	1,500			
E5H.17	400W HPSM Lamp for SL NO E5I.6	Nos.	150			
E5H.18	150W HPSV Lampfor sl no E5I.7	Nos.	80			
E5H.19	125 W HPMV Lamp for E5I.8 ,E5I.10& E5I.12	Nos.	1,050			
E5H.20	70W HPSV Lamp for sl no E5I.9	Nos.	70			
E5H.21	400W HPSV Lamp	Nos.	35			
E5H.22	80 W HPMV Lamp For sl no E5I.11	Nos.	75			
E5H.23	3 Mtr Pole	Nos.	50			
E5H.24	9Mtr Pole	Nos.	70			
E5H.25	2 Mtr Pole	Nos.	350			
E5H.26	11 mtrs flood light pole	Nos.	7			
E5H.27	Metsec Channel 3 mtrs Length	Nos.	750			
E5H.28	1200mm Long 120Deg Bend 50NB Pipe	Nos.	50			

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E5H.29	1200mm Long 150Deg Bend 50NB Pipe	Nos.	100			
E5H.30	3000mm Long 25mmdia GI conduit	Nos.	2,000			
E5H.31	3000mm Long 50mmdia GI conduit	Nos.	250			
E5H.32	25mm GI Bend	Nos.	3,000			
E5H.33	25mm GI inspection Bend	Nos.	1,500			
E5H.34	25mm GI Conduit Couplers	Nos.	1,000			
E5H.35	3000mm Long 19mm dia GI Conduits	Nos.	500			
E5H.36	3000mm Long 25mm dia.PVC Conduits	Nos.	100			
E5H.37	3000mm Long 50mm dia PVC Conduits	Nos.	50			
E5H.38	25mm PVC Bend	Nos	50			
E5H.39	25mm Flexible PVC Conduit	Mtrs.	500			
E5H.40	PVC Flexible Connector Suitable for 25mm PVC Conduit	Nos.	1,000			
E5H.41	4 ways conduit branching conduit JB for 25mm GI conduit		1,000			
E5H.42	Spring Loaded ball and sockets for 19mm dia GI down conduit .	Nos.	500			
E5H.43	4way 150x100x100mm rectangular Cast AL JB for hazdzus area group IIA & IIB Zone 1 and 2 with Two 1 inch & two 3/4 inch cable entry along with gland & TB for 6nos 35sqmm Cable.	Nos.	50			
E5H.44	4way 150x100x100mm rectangular sheet steel JB for hazardus area group IIA & IIB Zone 1 and 2 with Two 1 inch & two 3/4 inch cable entry along with gland & TB for 6nos 35sqmm Cable.	Nos.	200			
E5H.45	6mm x 35mm Long Anchor Bolt with nut and washer.	Nos.	2,000			
E5H.46	6mm x 35mm Long Hook Type Anchor Bolt with nut ,bolt and washer.	Nos.	1,000			
E5H.47	12.5mm dia Anchor Bolt Straight With Nut & washer	Nos.	100			
E5H.48	3mm Dia Anchor Fasteners With Nuts and washer	Nos.	500			
E5H.49	Saddle with Saddle Bar Suitable for 25mm Dia Conduit with hardware.	Nos.	5,000			
E5H.50	19mm Cable Clamps with base and hardware	Nos.	10,000			

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E5H.51	Double compression nickle plated brass cable glands 3/4 inch for safe area for item no E5I.44	Nos.	3,550			
E5H.52	Double compression nickle plated brass cable glands one inch for safe area for item no E5I.44	Nos.	350			
E5H.53	Double compression nickle plated brass cable glands one inch for hardus area group IIA,IIB Zone 1&2 for item no E5I.43	Nos.	100			
E5H.54	Double compression nickle plated brass cable glands 3/4 inch for hardus area group IIA,IIB Zone 1&2 for item no E5I.43	Nos.	800			
E5H.55	Checks Nuts Suitable for 19mm GI Conduit	Nos.	5,000			
E5H.56	Galvanized Steel Chain	Mtrs.	1,000			
E5H.57	S Hook	Nos.	500			
E5H.58	Rubbber Gromett(19mm)	Nos.	1,000			
E5H.59	Rubbber Gromett(25mm)	Nos.	1,000			
E5H.60	FSB-2 Flush Mounted Switchboards Consisting of 2 no. 15 Amp Paino Type Switch & 15A Receptacle with Switch.(Modular type)	Nos.	30			
E5H.61	FSB-3 Flush mounted Switchboards consisting of 5 no. 15 Amp paino type switch & 15A receptacle with switch modular type	Nos.	30			
E5H.62	FSB-5 Flush Mounted Switchboards Consisting of 5 no. 15 Amp Paino Type Switch & 15A Receptacle with Switch modular type	Nos.	20			
E5H.63	Domestic Type 5/15A Socket	Nos.	45			
E5H.64	Industrial Metal Clad Type 5/15A socket with switch	Nos.	100			
E5H.65	Industrial Metal Clad Type 5/15A socket with switch for Hazardous Area Group IIA & IIB Zone 1 & 2	Nos.	30			
E5H.66	63A Welding TPN Receptacles(Safe area)	Nos.	45			
E5H.67	63A welding TPN Receptacles(Flameproof area)	Nos.	10			
E5H.68	240V to 24V Supply Module With Hand Lamp and 15mtrs Cable	Nos.	10			
E5H.69	6/12/18/ways AC/DC indoor,out door lighting panel	Nos.	89			
E5H.70	6/12 ways AC/DC indoor lighting panel for hazardus area for IIA,IIB & zone 1&2	Nos.	7			

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Sl.no	Discription of items	UOM	Quantity	RATE (In Rs)		AMOUNT (In Rs)
				IN FIGURES	IN WORDS	
E5H.71	30 Mtrs high mast lighting system fitted with the12 nos flood light fixture each fixture having two no of 400w HPSV tubeler lamp,2 nos aviation fixture of LED type (Medium intensity)	Nos.	5			
E5G	Flexible Wires(PVC Insulated, Single Core Copper Conductor Flexible Wires)					
E5H.72	2.5 sq mm ,RED, yellow, blue, black, green, grey & White colour Flexible wire	Mtrs.	1,28,000			
E5H.73	4.0 sq mm ,RED, yellow, blue, black, green, colour Flexible wire	Mtrs.	22,500			
SECTION-E 6 : EARTHING/LIGHTNING PROTECTION STRIPS						
E6.1	8SWG GI wire , solid,	Mtrs.	35,876			
E6.2	16SWG GI wire , solid,	Mtrs.	6,000			
E6.3	3/8" Dia GI fine wire rope	Mtrs.	5,000			
E6.4	5/8" Dia GI fine wire rope	Mtrs.	5,000			
E6.5	65 mm dia Pipe Electrodes, 3M long GI,Treated Earth Pit for machine neutral earthing,untreated earth pit for machine body and lighting protection.	Nos.	220			
E6.6	75 x 10 mm GI Strips,	Mtrs.	13,000			
E6.7	65 x 12mm GI strips	Mtrs.	10,500			
E6.8	50 x 6 mm GI Strips,	Mtrs.	14,680			
E6.9	40 x 5 mm GI Strips,	Mtrs.	200			
E6.10	35 x 6 mm GI Strips,	Mtrs.	7,000			
E6.11	30 x 5 mm GI Strips	Mtrs.	2,750			
E6.12	8SWG GI wire , solid,	Mtrs.	35,876			
E6.13	16SWG GI wire , solid,	Mtrs.	6,000			
E6.14	10mm dia GI wire rope	Mtrs.	1,094			
E6.15	copper pipe Electrodes with Copper Strips (For electronics equipment earthing)	No	80			
E6.16	Vertical Air Termination Rods	No	40			

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Sl.no	Discription of items	UOM	Quantity	RATE (In Rs)		AMOUNT (In Rs)
				IN FIGURES	IN WORDS	
SECTION -E7A: LT BUS DUCTS						
E7A.1	415 Volt LT Bus Duct.Approx.length of each set of bus duct -15 Meter,Typical Cross section 1100x400,Weight 100 Kg/Mtrs approx.Loose items like silicagel Breather pipe,GI Channel Supports and associated accessories.	Sets	10			
SECTION -E7B: HT BUS DUCTS (SPBD)						
E7B.1	6.6 kV, 3000 AMPS, SP Bus Duct SAT 1-4.(Approx length 76 m),Loose items like silicagel Breather pipe,GI Channel Supports,LAVT CUBICLE,NGT,LR,CABLE PANEL and associated accessories.	Sets	5			
E7B.2	6.6 kV, 1600 AMPS, SP Bus Duct for SAT 5.(Approx length 19 m),Loose items like silicagel Breather pipe,GI Channel Supports ,LAVT CUBICLE,NGT,LR,CABLE PANEL and associated accessories.	Sets	1			
SECTION- E8 :OIL FILLED TRANSFORMERS(GT,ST,)						
E8.1	Transportation up to foundation, Assembly, Testing & Commissioning of Three phase 40/45 MVA, 69/ 11 KV,ONAN/ ONAF, OLTC,STG Generator Transformer including all accessories, piping, cabling etc. (Approx Weight 93,000 Kg each T/F and Size 6700x9000x6300 mm)	No	2			
E8.2	Transportation from stores/ storage yard to erection site, assembly, testing & commissioning of 16/12.5 MVA, 6.6/66 KV, ONAN/ONAF OLTC, Auxiliary Transformer- including all accessories,NGR, piping, cabling etc (Approx weight 50.5MT Kg per Transformer	No	1			
E8.3	Transportation from stores/ storage yard to erection site , assembly, testing & commissioning of Lighting T/F, 150 KVA , 3 phase 415 volts / 415 volts , 3 PH, ONAN,, including all accessories,(Approx weight 800 Kg per Transformer,	No	8			
E8.4	Transportation from stores/ storage yard to erection site , assembly, testing & commissioning of Emergency Lighting T/F, 50 KVA , 3 phase 415 volts / 415 volts , 3 PH, ONAN,, including all accessories,(Approx weight 500 Kg)per Transformer.	No	3			
E8.5	3-phase 50 MVA, 11/69 KV, ONAN, Cooled GTG Generator Transformer including all accessories, piping, cabling etc(Apprx dim. 9000X6800X6750 &WEIGHT104 MT). as described in Tender Specification.	No	5			
E8.6	Transportation from stores/ storage yard to erection site, assembly, testing & commissioning of 25/31.5 MVA, 3 phase 66 KV /6.9KV,ONAN/ONAF,OFTC, Station Auxillary Transformer, 3 PH, Oil Type, including all accessories,NGR, piping, cabling etc(Apprx dim. 8600X6500X6100 &WEIGHT-38 MT)	No	4			
E8.7	Transportation from stores/ storage yard to erection site, assembly, testing & commissioning of 2.5 MVA, 3 phase 6.6 KV /415KV,ONAN/ Auxillary Transformer, Oil filled, including all accessories,NGR, piping, cabling etc(Apprx dim. 3000X3500X3300 &WEIGHT-8 MT)	No	10			
SECTION-E 9 : ONLY TESTING & COMMISSIONING						
E9.1	Testing and commissioning of 6.6 &11KV HT motors including dryout.	No	15			

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Sl.no	Discription of items	UOM	Quantity	RATE (In Rs)		AMOUNT (In Rs)
				IN FIGURES	IN WORDS	
E9.2	Testing and commissioning of 415 V LT motors including dry out.	No	100			
E9.3	Generator system testing	Set	6			
E9.4	Testing and Commissioning of soot blower control panel, including mounting of mimic ,	No	2			
E9.5	Testing & Commissioning of Wall, Long Retractable, Air Heater Soot Blower	No	100			
E9.6	Testing & Commissioning of Furnace temperature probe (including solenoids, thermocouple, etc)	No	10			
E9.7	Thermostats including Calibration.	No	160			
E9.8	Electrically (LT) Operated Valves, Dampers and Gates with Actuators, Limit Switches etc. (Regulating & ON/OFF Type).	No	318			
E10A	RUBBER MAT OF 3MM,2.5MM,2MM. Appro size 1Mx2M	Nos.	750			
E10B.1	MCT FRAME,(Approx size 1.5Mx1M)	SQ.MTERS	30			
E10B.2	MCT BLOCKs	Nos.	9,559			
E10C	FIRE PROOF SEALING(Fire Break coating for HT /LT cables,sealing of wall,floorand below panels bottom,sealing of cable entry thru conduits/trenches)	SQ.MTERS	3000			
E10D	Trefoil clamps for single core cables	Nos.	1800			
E10E	GI conduit(100&150MM dia),PVC conduit(200MMdia),	Nos.	1500			
E10F	Hume pipe(200 NB)	Nos.	300			
E10G	CABLE DUCTS AND ACCESSORIES PACKAGE					
E10G.1	1200mm widthX400 mm Straight Run Duct with accessories including Joining Plate-CAT 1	Nos.	500			
E10G.2	1200mmwidthX400 mm Ducts Equal Tee(type A) with accessories including Joining Plate-CAT 1	Nos.	10			

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Sl.no	Discription of items	UOM	Quantity	RATE (In Rs)		AMOUNT (In Rs)
				IN FIGURES	IN WORDS	
E10G.3	1200mmwidthX400 mm Height Ducts Elbow(Horizontal plan) type A with accessories including Joining Plate-CAT 1	Nos.	10			
E10G.4	1200mmwidthX400 mm Height Ducts Elbow(Vertical plan) type A with accessories including Joining Plate-CAT 2	Nos.	5			
E10G.5	1200mmwidthX400 mm Height Ducts Elbow(TYPE B)with accessories including Joining Plate-CAT 1	Nos.	5			
E10G.6	1200mm to 800mm width to 300mm hight duct with Reducer 'M' path straight type A with accessories including Joining Plate-CAT 1	Nos.	5			
E10G.7	End cover1200 widthX400 mm Height cable Ducts	Nos.	5			
E10G.8	1200mmwidth to 400mm width 200mm Height Ducts Reducer 'M ' path straight type A with accessories including Joining Plate-CAT 1	Nos.	5			
E10G.9	800mmwidthx300 mm hight Straight run Ducts with accessories including Joining Plate-CAT 1	Nos.	250			
E10G.10	800mmwidthx300 mm Height Ducts Elbow horizontal plane type A with accessories including Joining Plate-CAT 1	Nos.	5			
E10G.11	800mmwidthx300 mm Height Ducts Elbow vertical plane type A with accessories including Joining Plate-CAT 1	Nos.	5			
E10G.12	800mm width x300 mm Height Ducts Elbow vertical (TYPE B) with accessories including Joining Plate-CAT 1	Nos.	5			
E10G.13	800mm width to 400mm width,200 Height Duct with reducer-'M' Path Straight type a with accessories including Joining Plate-CAT 1	Nos.	5			
E10G.14	End cover800 mm width x300 mm Height Cable Ducts	Nos.	5			
E10G.15	400 mmwidthx200 mm Height straight run Ducts with accessories including Joining Plate-CAT 1	Nos.	200			
E10G.16	400mm widthx200 mm Height Duct Elbow horizontal Plane type A with accessories including Joining Plate-CAT 1	Nos.	5			

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Sl.no	Discription of items	UOM	Quantity	RATE (In Rs)		AMOUNT (In Rs)
				IN FIGURES	IN WORDS	
E10G.1 7	400mm widthx200 mm Height Duct Elbow Vertical Plane type A with accessories including Joining Plate-CAT 1	Nos.	5			
E10G.1 8	400mm widthx200 mm Height Duct Elbow Vertical Plane type B with accessories including Joining Plate-CAT 1	Nos.	5			
E10G.1 9	End cover 400mmwidthx200mm Height Cable Ducts	Nos.	5			
E10G.2 0	800 mm widthx300mm Height Duct Equal Tee(TYPE A) with accessories including Joining Plate-CAT 1	Nos.	5			
E10H	HT TERMINATION KIT (XLPE INSULATED, HEAT SHRINKABLE COPPER / ALUMINIUM CABLE)					
E10H.1	66 KV & 6.6, 1C X 630 SQ MM ,Cu. Cable	Nos.	100			
E10H.2	6.6 KV,1C X 630 SQ MM, Al. Cable	Nos.	100			
E10H.3	6.6 KV, 3C X 300 SQ MM , Al. Cable	Nos.	20			
E10H.4	6.6 KV, 3C X 185 SQ MM , Al. Cable	Nos.	30			
GRAND TOTAL IN Rs						