PACKAGE 67(I)/2014-15

ODISHA POWER TRANSMISSION CORPORATION LIMITED

NAME OF THE WORK-Construction of XXD MVA.13233 KV Ss at GHENS in Bangarh district with associated 132 KV DC Transmission Line from proposed 220/132/33 KV Bangarh Grid
Ss; App. Line Legally: 8.873/Km.)

NOTICE INVITING TENDER-NIT NO. 67/2014-15 & BID DOCUMENT No.2s; G.M.-CPC-TENDER-GHENS(BARAGARH)-PACKAGE-67(d)/2014-15

SCHEDULE-2A-SUPPLY (Equipment/Materials Price Break-up of Ex-works Prices against Package-67(1)-GHENS)

		NAME OF THE												
SUPPLY_SUBSTATION EQUIPMENT & MATERIALS		BIDDER												
SI, No. DESCRIPTION OF TRANSCHIPAL E-3.8.5) SUPPLY OF FOLDWING EQUIPMET & MATERIALS (As per Technical Specification)	UNITS	QUANTITY: for Construction of 2X20 MVA, 132.73 KV SS, GHENS (132 KV By-05 Nos: 02 FDR, 02 TRF & 01 BC)A (33 KV Bay-07 Nos: 04 FDR, 02 TRF & 0 BC)	Unit Ex-Works Price IN INR	Total Ex-Works Price IN INR	Unit F&I Charges IN INR	Total F81 Charges IN INR	Mode of Transaction (Direct or Bought-out item)	Unit Excise duty IN INR	Unit VAT IN INR	Unit CST in INR	Any other tax IN INR	Total Taxes and duties IN INR	Unit FORD Price IN INR	TOTAL FOR Price IN INR
1 2 2 145 KV,800-400-200 A,31.5 KA,4CORE SINGLE PHASE CURRENT TRANSFORMER (3 NOS		4 15	5	6=4X5 0.00	7	8= 4X7 0.00	9	10	- 11	12	13	14 = 10+11+12+13 0.00	15::5+7+10+11+12+13	16=15x4 0.00
PS CLASS 8.1 NO. 0.2% CLASS) 2 145 KV,1250A,31.5KA,ISOLATORS 2.1 S/IWITH OUT EARTH SWITCH	NOS	9		0.00		0.00						0.00	0.00	0.00
22 DI WITH SINGLE EARTH SWITCH 23 DI WITHOUT EARTH SWITCH	NOS NOS	2 2		0.00		0.00						0.00	0.00	0.00
3 145 KV, 8600pF, 3CORE, SINGLE PHASE CAPACITOR VOLTAGE TRANSFORMER 4 120 KV METAL OXIDE SURGE ARRESTOR, 10 KA, Class III	NOS NOS	6 12		0.00		0.00						0.00	0.00	0.00
5 145 KV, 2 CORE, SINGLE PHASE, IVT 6 132 KV Use Post Insulators 7 145KV, 3150A, 40KA, SF6, CIRCUIT BREAKER WITH SUPPORTING STRUCTURE	NOS NOS	3 16		0.00		0.00 0.00 0.00						0.00 0.00 0.00	0.00 0.00 0.00	0.00
7:1 36 KV,800-400-200,25KA,3 CORE SINGLE PHASE CURRENT TRANSFORMER(2 NOS PS CLASS & 1 NO. 0.2± CLASS)	NOS	15		0.00		0.00						0.00	0.00	0.00
7.2 36 KV, 800-400-200, 25KA, 4 CORE SINGLE PHASE CURRENT TRANSFORMER (3 NOS PS CLASS & 1 NO. 0.2s CLASS)	NOS	6		0.00		0.00						0.00	0.00	0.00
8 36 KV CLASS NCT FOR POWER TRANSFORMER REF PROTECTION (RATIO 800-400-200 A 3 HAWING TWO CORE (PS CLASS) (IN EACH POWER TRANSFORMER 132 KV SIDE: 1 NO. 3 28 KV SIDE-1 NO. 3 8 KV V SIDE-1 NO.	NOS	4		0.00		0.00						0.00	0.00	0.00
9.1 S/I WITH OUT EARTH SWITCH 9.2 DI WITH SINGLE EARTH SWITCH	NOS NOS	8		0.00		0.00						0.00	0.00	0.00
9.3 DI WITHOUT EARTH SWITCH 9.4 S/I WITH BEAM MOUNTED 10 30 KV, METAL OXIDE SURGE ARRESTOR, 10KA, class II	NOS NOS	2 2 24		0.00		0.00						0.00	0.00 0.00	0.00
10 30 KV, METAL OADS SURSE ARRESTOR, 10AA, Class II 11 36 KV, 2 CORE, SINGLE PHASE, IVT(1 core 3 P & other core 0.2s) 12 36KV, 1250A, 25KA, VACUUM CIRCUIT BREAKER WTH SUPPORTING STRUCTURE	NOS	3		0.00		0.00						0.00	0.00	0.00
13 33 KV Bus Post Insulators	NOS NOS	7		0.00		0.00						0.00	0.00	0.00
14 BUS BAR & CIRCUIT MATERIALS 14.1 TENSION & SUSPENSION ANTI FOG TYPE INSULATOR STRING														
14.1.1 120 kN ANTIFOG INSULATOR STRINGS for Double Moose cond (TENSION)-132 KV 14.1.2 90 kN ANTIFOG INSULATOR STRINGS for Double/ Single Moose cond (SUSPENSION)-132	NOS	1,080		0.00		0.00						0.00	0.00	0.00
14.2 ACSR MOOSE CONDUCTOR	NOS KMS	240 4		0.00		0.00						0.00	0.00	0.00
14.3 HARDWARES & FITTINGS/SPACERS/CLAMP & CONNECTORS 14.3.1 132 KV Double Tension H/W fitting suitable for twin ACSR Moose .	NOS	36		0.00		0.00						0.00	0.00	0.00
14.3.2 132 KV Single Tension H/W fitting suitable for twin ACSR Moose . 14.3.2 132 KV Single Suspension H/W fitting suitable for single ACSR Moose = 15 Nos.	NOS NOS	18 15		0.00		0.00						0.00	0.00	0.00
14.3.3 132 KV Single Tension HW fitting suitable for single ACSR Moose. 14.3.4 33 KV Single Tension HW fitting suitable for single ACSR Moose. 14.3.5 33 KV Single Suspension HW fitting suitable for single ACSR Moose = 27 Nos.	NOS NOS	42 45 27		0.00 0.00 0.00		0.00 0.00 0.00						0.00 0.00 0.00	0.00 0.00 0.00	0.00
14.3.5 33 KV Single Suspension IVW fitting suitable for single ALSR Moose = 27 Nos. 14.3.7 1 CLAMP FOR ACSR PANTHER RUN ACSR MOOSE DROP 14.3.7 T CLAMP FOR ACSR PANTHER RUN ACSR MOOSE DROP	NOS NOS	18 42		0.00		0.00						0.00	0.00	0.00
14.3.8 T CLAMP FOR ACSR MOOSE RUN ACSR MOOSE DROP 14.3.9 SPACER T CLAMP FOR ACSR MOOSE RUN ACSR MOOSE DROP	NOS	42		0.00		0.00						0.00	0.00	0.00
14.3.10 132KV CT STUD CLAMP 14.3.11 132KV PT STUD CLAMP	NOS NOS	30 12		0.00		0.00						0.00	0.00	0.00
14.3.12 132KV LA PAD CLAMP 14.3.13 132KV ISOLATOR PAD CLAMP	NOS NOS	93		0.00		0.00						0.00	0.00	0.00
143.14 132KV CB BIMETTALE PAD CLAMP 143.15 132KV PI PAD CLAMP 143.16 33 KV CT STUD CLAMP	NOS NOS	30 10 42		0.00		0.00						0.00 0.00 0.00	0.00 0.00 0.00	0.00
143.17 33 KV PT STUD CLAMP 143.18 33 KV LA PAD CLAMP	NOS NOS	3 21		0.00		0.00						0.00	0.00	0.00
14.3.19 33 KV ISOLATOR PAD CLAMP 14.3.20 33 KV CB BI-METTALIC PAD CLAMP	NOS NOS	105 42		0.00		0.00						0.00	0.00	0.00
14.3.21 33 KV PI PAD CLAMP 14.4 EARTH SPIKES & IT'S HARDWARES & FITTING	NOS	7		0.00		0.00						0.00	0.00	0.00
14.4.1 FOR 132KV SIDE : 21 NOS @ 7 MTRS LENGTH EACH 14.4.2 FOR 33 KV SIDE : 19 NOS @ 5 MTRS EACH	SET	21 19		0.00		0.00						0.00	0.00	0.00
14.5 SUBSTATION EARTHING SYSTEMS 14.5.1 EARTHING CONDUCTOR FOR BURRIAL: 75X10 mm GI Flat for laying (spacing maximum 5m both way)	мт	30.00		0.00		0.00						0.00	0.00	0.00
14.5.2 EARTHING CONDUCTOR: 50X6 mm GI Flat for Raiser from the burial earth mat to	МТ	8.50		0.00		0.00						0.00	0.00	0.00
equipment.structure etc) 4.5.3 EARTHING DEVICE & ASSOCIATED ACCESSORIES (50 mm heavy duty GI PERFORATED PIPE 3 mtrs long for treated earth pit) 145.4	NOS	145		0.00		0.00						0.00	0.00	0.00
EARTHING DEVICE & ASSOCIATED ACCESSORIES 40mm MS rod 3 mtrs long for non treated earth pit)	NOS	110		0.00		0.00						0.00	0.00	0.00
G.I Cable Trays including G.I. support Angle suitable for different sections i.e. Section:1-1,2 2-3-3 & 4-4 alone with its accessories as per TS. 14.6.1 G.I Cable Trays(size: 450X/52500mm)	MTRS	1400		0.00		0.00						0.00	0.00	0.00
14.6.2 G.I Cable Travs(size: 150X75x2500mm) 14.6.3 G.I Cable Travs(size: 150X75x2500mm)	MTRS MTRS	1000		0.00		0.00						0.00	0.00	0.00
14.6.4 Support G. I angle 50x50x6 mm for fixing of above cable trays 14.7 SUB STATION SWITCYARD BMK, AC CONSOLE & OTHER MARSHALLING BOXES	MT	2.5		0.00		0.00						0.00	0.00	0.00
14.7.1 BAY MARSHALLING KIOSK (03 Nos 132 kv bay & 04 Nos 33 KV bay) 14.7.2 SWITCH YARD AC CONSOLE FOR LIGHTING (01 Nos 132 kv bay & 01 No in 33KV bay) 14.7.3 SWITCH YARD RECEPTACLE BOARD FOR THE OLE FLITERATION	NOS NOS	7 2		0.00		0.00						0.00	0.00	0.00
14.7.3 SWITCH YARD RECEPTACLE BOARD FOR TER OIL FILTERATION 14.7.4 SWITCH YARD RECEPTACLE BOARD FOR WELDING & OTHER EMERGENCY 14.7.5 CT, PT & CVT Out Door Console Boxes (132 KV CT-4 Nos. + 1 No., 33 KV CT-8 Nos., 132 KV	NOS NOS	2		0.00		0.00						0.00	0.00	0.00
CVT-1 No. + 1 No. 132 KV IVT-1 No. 33 KV CI-3 NOS.+ 1 NO., 33 KV CI-3 NOS.+ 1 NO. SWITCH YARD STRUCTURES COLUMN & BEAM (LATTICE TYPE) FOR 132/33 KV CLASS	NOS	15		0.00		0.00						0.00	0.00	0.00
INCLUDING FOUNDATION BOLTS & NUTS. 15.1 DIFFERENT TYPES OF COLUMNS WITH DETAILS														
15.1.1 T1S - 132 KVINOMINAL UNIT WT - 1.2 MT] = 16 Sets. 15.1.2 T4S - 132KV (NOMINAL UNIT WT - 0.92 MT) = 5 Sets. 15.1.3 T8S - 33KVINOMINAL UNIT WT - 0.83 MT) = 09 Sets.	NOS NOS	16 5												
15.1.4 TSS - 33KV/NOMINAL UNIT WT-0.6 MTh = 11 Sets. 15.2 DIFFERENT TYPE OF BEAMS WITH DETAILS	NOS	11												
15.2.1 G1 - 132 KV(NOMINAL UNIT WT- 0.58 MT) = 11 Sets. 15.2.2 G1X - 132 KV (NOMINAL UNIT WT- 0.582 MT) = 5 Sets.	NOS NOS	11 5												
15.2.3 G2 - 132 KV(NOMINAL UNIT WT- 0.9 MT) = 04 Sets 15.2.4 G1.2 - 132 KV(Each two beams of G1 type) (NOMINAL UNIT WT- 1.25 MT) = Nil	NOS NOS	0												
15.2.5 G6 - 33KV (NOMINAL UNIT WT- 0.36 MT) = 03 Sets. 15.2.6 G4 - 33KV(NOMINAL UNIT WT- 0.3 MT) = 9 Sets. 15.2.7 G4 - 33KV (NOMINAL UNIT WT- 0.2 MT) = 9 Sets.	NOS NOS	9												
15.3 G4X - 33KV NOMINAL UNIT WT- 0.52 MT) = 02 Sets. 15.3 TOTAL WEIGHT OF COLUMN & BEAM 15.4 SWITCH YARD EQUIPMENT STRUCTURES (LATTICE TYPE) FOR 132/33 KV CLASS	NOS MT	51.68		0.00		0.00						0.00	0.00	0.00
INCLUDING FOUNDATION BOLTS & NUTS. 15.4.1 ISOLATORS-132KV														
15.4.2 S.I. WITHOUT E/S (Unit weight - 658.767 Kg) = 9 Nos. 15.4.3 D.I. WITHOUT E/S (Unit Weight - 979.10 Kg) = 2 Nos.	NOS NOS	9 2												
15.4.5 D.I. WITH E/S (Unit Weight - 1120.559 Kg) = 2 Nos. 15.4.5 ISOLATORS-33 KV 15.4.5 ISOLATORS-33 KV 15.4.5 S.I. WITHOUT E/S (Unit weight - 294.893 Kg) = 8 Nos.	NOS	2 R												
15.4.7 D.I. WITHOUT E/S (Unit weight - 655.764 Kg) = 2 Nos. 15.4.8 D.I. WITH E/S (Unit weight - 670.555 Kg) = 4 Nos.	NOS NOS	2												
15.4.9 CTS-132 KV (Unit Weight - 214.546 Kg) = 15 Nos . 15.4.10 CTS-33 KV (Unit Weight - 148.80 Kg) = 21 Nos	NOS NOS	15 21												
15.4.11 CVTS-132 KV (Unit Weight - 236.628 Kg) = 6 Nos. 15.4.12 IVTS-132 KV (Unit Weight - 231.195 Kg) = 3 Nos 15.4.13 IVTS-33 KV (Unit Weight - 124.336 Kg) = 3 Nos	NOS NOS	3												
194.15 W15-35 KV (Unit Weight - 124.356 Kg) = 3 Nos 194.14 Surce Arrester-132 kV (Unit Weight - 179.893 Kd) = 12 Nos . 194.15 Wave Trap-132 kV (Unit Weight - 247.254 Kg) = 4 Nos.	NOS NOS	12												
15.4.16 BPI-132 KV (Unit Weight - 309.883 Kg) = 16 Nos. 15.4.17 BPI-33 KV (Unit Weight - 148.80 Kg) = 7 Nos	NOS NOS	16 7												
15.4.18 NCTS (Unit Weight - 138.24 Kg) = 4 Nos 15.4.19 TOTAL WEIGHT OF EQUIPMENT STRUCTURE	MT MT	4 39.943 8.00		0.00		0.00						0.00	0.00	0.00
16 GENERAL EQUIPMENT & SUBSTATION ACCESSORIES	ml	0.00		uw		·······						v.w	0.00	0.00
16.1.1 XLPE 3.5 CX300 mm ²	MTRS	500		0.00		0.00						0.00	0.00	0.00
16.12 XLPE 3.5 CX185 mm ² 16.13 XLPE 3.5 CX120 mm ²	MTRS	300 200		0.00		0.00						0.00	0.00	0.00
16.1.4 PVC 3.5 CX70 mm ² 16.1.5 PVC 3.5 CX35 mm ²	MTRS	600 1500		0.00		0.00						0.00	0.00	0.00
16.1.6 PVC 4 CX 16 mm ² 16.1.7 PVC 4 CX 6 mm ²	MTRS MTRS	1000 3500		0.00		0.00						0.00	0.00	0.00
16.18 PVC 2CX 6 mm ² 16.2 CONTROL CABLES,1.1 KV, PVC,STRANDED COPPER(As per specification)	MTRS	2000		0.00		0.00						0.00	0.00	0.00
1621 2 CX 2.5 mm2 1622 4 CX 2.5 mm ²	MTRS MTRS	5000 16000		0.00		0.00						0.00	0.00	0.00
16.2.3 5 CX 2.5 mm ² 16.2.4 7CX 2.5 mm ²	MTRS MTRS	4000 9000		0.00		0.00						0.00	0.00	0.00
18.2.6 12 CX 2.5 mm ²	MTRS	10000 9000		0.00		0.00						0.00	0.00	0.00
16.2.7 16.CX 2.5 mm ² 16.2.8 19 CX 2.5 mm ²	MTRS	5000 2000		0.00		0.00						0.00	0.00	0.00
16.2.9 1CX 120 mm ² BAT TO BAT CHARGER & CHARGER TO DCDB	MTRS	600		0.00		0.00						0.00	0.00	0.00

17	ACCESSORIES FOR PLCC SYSTEM AS PER TECHNICAL SPECIFICATION														
17.1	132 kV Line Trap for Pedestal mounting with complete accessories :1200A, 0.5 mH, (90-500kHZ).lsc=31.5kA compatible to IEC 353 specifications	NOS	4		0.00		0.00						0.00	0.00	0.00
17.2	LINE MATCHING UNIT HAVING BUILT-IN PROTECTIVE DEVICES LIKE DRAINAGE COL, SURGE ARRESTOR AND EARTH SWITCH. TUNABLE BAND PASS COUPLING FILTER: 90- SONALTA-BE DRIVER PRATING, 850 W.S. IN JEM MATCHING DISTRIBUTION LINIT.	SET	2		0.00		0.00						0.00	0.00	0.00
17.3	SONKHZ HE POWER RATING 650 W & LINE MATCHING DISTRIBUTION LINIT 12.5 mm OD armoured Co-axial Cable; Impedance: 75 ohms, Insulation Resistance: 100 Meg Ohms Dielectric strength: 5 kV, Sional attenuation: 6 dB/KM (Max) at 500 kHz	MTRS	1000		0.00		0.00						0.00	0.00	0.00
	EPAX standard complied to ITU-T, G-711,G-712,Q507,Q-517 capacity 16lines/Trunks, specification transducers and interfacing cards for Analog input and Digital output (Optional)	NO	1		0.00		0.00						0.00	0.00	0.00
17.5	25PAIR ARMOURED TELEPHONE CABLES 10 PAIR ARMOURED TELEPHONE CABLES	MTRS MTRS	1000 500		0.00		0.00						0.00	0.00	0.00
17.7	4 PAIR NON ARMOURED TELEPHONE CABLES 2 WIRE TELEPHONE SET	MTRS NO	300 20		0.00		0.00						0.00	0.00 0.00 0.00	0.00
17.8 17.9 17.10	FAX MACHINE 48 V, 350 AH, maintenance free VRLA Battery set. 75A, 48V Float cum Boost Charger: (Float/Boost current as recommended by VRLA Battery	SET	1		0.00		0.00						0.00	0.00	0.00
17.11	75A, 49V Float cum Boost Charger: (Float/Boost current as recommended by VRLA Battery vendor) 48 V DCDB	SET	1		0.00		0.00						0.00	0.00	0.00
	SUPPLY OF STATION TRANSFORMER & OTHER MATERIALS FOR MEETING THE AUXILIARY SUPPLY OF THE SUB-STATION AS PER TECHNICAL SPECIFICATION														
18.1	STATION TRANSFORMER 33KV/433V,250 KVA (AS PER SPECIFICATION)	NOS	2		0.00		0.00						0.00	0.00	0.00
18.2	Supply of materials for erection of station transformers														
18.2.1	DP STRUCTURE: each set shall comprise of [2X 9.0 Mtrs														
	(ISBM:200X100 mm(min) RS Joist(beam) with bracings of suitable channels(ISMC 75X40) & angles (L50X50X6) & different size Steel plate of 10 mm thick etc].	SET	2		0.00		0.00						0.00	0.00	0.00
18.2.2	33 KV AB SWITCH IN 33 KV SIDE(600AMP) including required GI pipe(horizontal & vertically	SET	2		0.00		0.00						0.00	0.00	0.00
18.2.3	down) & handle for operation of AB switch HG fuse set for 33 KV side of the Station transformer including base(each set comprises three														
18.2.4	single HG fuse)	SET	2		0.00		0.00						0.00	0.00	0.00
	OUT DOOR KIOSK MADE OUT OF 3mm thick CRCA steel duly galvanised having gland plates OR BETTER quality WITH 3 NOS. OF CUT-OUTS(1000 AMPS) AT THE INCOMING SIDE , 1No. OF 3 PHASE SPU (500AMPS) AT THE OUTGOING SIDE AND SUITABLE BUS BAR														
	ARRANGEMENT FOR TERMINATION of incoming cable from transformer & outgoing cable to	SET	2		0.00		0.00						0.00	0.00	0.00
19	Main ACDB. SUB STATION LIGHTING (AS PER SPECIFICATION AND APPROVED DRAWINGS)(Switch														
	yard and other street area)														
19.1	SUB-STATION SWITCH YARD LIGHTING, IT INCLUDES SUPPLY OF FIXTURES & LAMPS (LED) of reputed make (Philips/CGL/Bajaj) with switch gear etc.(Lighting fixtures are to be														
	fixed rigidly on the Column at a suitable height so that the required lux can be achieved.(150 watt each)	SET	45		0.00		0.00						0.00	0.00	0.00
19.2	STREET LIGHTING, IT INCLUDES SUPPLY OF GI TUBULAR POLE, WITH LED LIGHTING														
10.2	FIXTURES WITH LAMPS of reputed make (Philips/CGL/Bajaj)(TO BE PROVIDED IN THE SWITCH YARD, ALONG THE ROADS (APPROACH INSIDE YARD AND OTHER ROADS).(100														
19.2.1	watt each) LED LIGHTING FIXTURESincluding LAMPS of reputed make (Philips/CGL/Bajaj).(100 watt														
	each) for Street Light.	SET	35		0.00		0.00						0.00	0.00	0.00
19.2.2	GI Tubular Pole: (410-SP-24: IS 2713-Part-II-1980 or latest) Length of pole 8.5 mtrs(minimum weight 158 Kgs).	SET	35		0.00		0.00						0.00	0.00	0.00
	(ALL THE STREET LIGHT POLE SHALL BE OF GI TUBULAR POLE AND PROVISION OF A GI JUNCTION BOX WITH SUITABLE COVERS AT A HEIGHT OF 1 METRIC FROM THE GROUND. THE JUNCTION BOX SHALL HAVE PROMISION DE BISSES, BISSES, COMMETCIONS FOR CABLE IN MAIN CHIT.	OLI	- 33										-0.00	-0.23	
19.2.3	OUTDOOR KIOSK of 3 mm thick CRCA sheet duly hot dip galvanised FOR STREET LIGHT HAVING 2 NOS 200 AMP SWITCH FUSE UNITS AND 10 NOS. OUT LETS OF 32 AMP MCB.	Nos	1		0.00		0.00						0.00	0.00	0.00
	OUTDOOR KIOSK of 3 mm thick CRCA sheet duly hot dip galvanised FOR COLONY SUPPLY PURPOSE: HAWNG 2 NOS 2004/np SWITCH FUSE UNT. 10 NOS. OUTLETS OF 32 A MCB.	Nos	1		0.00		0.00						0.00	0.00	0.00
	HAVING 2 NOS 200Amp SWITCH FUSE UNT: 10 NOS. OUTLETS OF 32 A MCB. AIRCONDITIONING	INOS	1		0.00		0.00						0.00	0.00	0.00
	2 TR CAPACITY 5-STAR rated SPLIT AIR CONDITIONING UNITS WITH REMOTE CONTROL FACILITY; (AS PER SPECIFICATION) FOR CONTROL ROOM, CARRIER ROOM &	SET	20		0.00		0.00						0.00	0.00	0.00
*20.2	CONFERENCE ROOM. A.C VOLTAGE STABILISER 5KVA, Voltage range 130-270 V for above air conditioner.	SET	20		0.00		0.00						0.00	0.00	0.00
21	FIRE FIGHTING SYSTEM(PORTABLE AND WHEEL MOUNTED SETS FOR CONTROL ROOM, EQUIPMENT LIKE TRANSFORMER AND OTHER AREAS AS PER TECH SPEC(REFER														
'21.1	TS-INST TO BIDDER BEFORE DESIGN-SL NO 16-ANNEXURE - I) FOAM TYPE-9 LTRS DRY CHEMICAL POWDER(TROLLEY MOUNTED)- 22.5 KGS	NOS	4		0.00		0.00						0.00	0.00	0.00
21.3	DRY CHEMICAL POWDER(TROLLEY MOUNTED)- 22.5 KGS DRY POWDER TYPE - 5 KGS	NOS NOS	4		0.00		0.00						0.00	0.00	0.00
21.4	CO ₂ · 4.5 KGS CO ₂ · 9 KGS	NOS NOS	10		0.00		0.00						0.00	0.00	0.00
'21.6	CO ₂ (TROLLY MOUNTED)- 22.5 KGS	NOS	4		0.00		0.00						0.00	0.00	0.00
'21.8	Water type - 9 LTRS Foam type - 50 LTR FIRE BUCKET (6 NOS IN EACH STAND) WITH STAND	NOS	2		0.00		0.00						0.00	0.00	0.00
22	PROTECTION, CONTROL METERING, EVENT LOGGER, BUS BAR PROTN PAN, COMM PAN, RELAY TOOL KITS AS PER TECH SPEC	SET	-		0.00		0.00						0.00	0.00	0.00
*22.1	TIME SYNCH EQUIPMENT EVENT LOGGER PANEL	NOS NOS	1 0		0.00		0.00						0.00	0.00	0.00
*22.3	132 KV SIDE (SIMPLEX TYPE PANEL) FEEDER CONTROL PANEL	NOS	2		0.00		0.00						0.00	0.00	0.00
2232	TRANSFORMER CONTROL PANEL(FOR 132 KV SIDE OF 132/33 KV POWER														
	TRANSFORMER)	NOS	2		0.00		0.00						0.00	0.00	0.00
22.3.3 22.3.4	TRANSFORMER) BUSCOUPLER CONTROL PANEL FEEDER RELAY PANEL	NOS NOS	2 1 2		0.00 0.00 0.00		0.00 0.00 0.00						0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00
22.3.4	TRANSFORMER! BUSCOUPLER CONTROL PANEL FEEDER RELAY PANEL TRANSFORMER RELAY PANEL (FOR 132 KV SIDE OF 132/33 KV POWER TRANSFORMER)	NOS NOS	2 1 2 2		0.00 0.00 0.00		0.00						0.00	0.00 0.00 0.00	0.00 0.00 0.00
22.3.4 22.3.5 22.3.6 22.3.4	TRANSFORMER BUSCOUPLER CONTROL, PAMEL FEEDER RELAY PAMEL FEEDER RELAY PAMEL FOR 132 KV SIDE OF 132/33 KV POWER TRANSFORMER) BUSCOUPLER BELAY PAMEL COMMIND PAMEL FOR 110 FM 110 F	NOS NOS	1 2		0.00		0.00						0.00	0.00	0.00
22.3.4 22.3.5 22.3.6 22.3.4 22.4 22.4.1	TRANSFORMER BISCOULER FOOTROL, PANEL FEEDER RELYF ZHAEL FRENZ FRELYF ZHAEL FRANSFORMER RELYF ZHAEL FOR 132 KV SIDE OF 132/33 KV POWER TRANSFORMER) BISCOULER RELAY FANEL COMMON PANEL (KP-1) 33 KV SIDE FEEDER COMTROL & RELAY PANEL	NOS NOS NOS NOS	1 2		0.00 0.00 0.00 0.00 0.00		0.00 0.00 0.00 0.00 0.00						0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00
22.3.4 22.3.5 22.3.6 22.3.4 22.4 22.4.1 22.4.2 22.4.3	TRANSFORMEN TRANSFORMEN TRANSFORMER TRANSF	NOS NOS NOS NOS	1 2		0.00 0.00 0.00 0.00 0.00		0.00 0.00 0.00 0.00 0.00						0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00
22.3.4 22.3.5 22.3.6 22.3.4 22.4 22.4.1 22.4.2 22.4.3 23.1	TRANSFORMER RESCOURTE CONTROL BANE BUSCOURTE CONTROL TRANSFORMER PELAY PANEL TRANSFORMER PENELY PENELY PANEL TRANSFORMER PENELY PANEL TRANSFORMER PENELY PENELY PANEL TRANSFORMER PENELY PENELY PENELY PANEL TRANSFORMER PENELY PENELY PENELY PANEL TRANSFORMER PENELY P	NOS NOS NOS NOS NOS	1 2		0.00 0.00 0.00 0.00 0.00 0.00		0.00 0.00 0.00 0.00 0.00						0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00
22.3.4 22.3.5 22.3.6 22.3.4 22.4.1 22.4.2 22.4.2 22.4.3 23.1 23.1.1	TRANSFORMER RESCOURTE AND CONTROL DAME. RESCOURTE AND CONTROL DAME. TRANSFORMER RELAY PANEL (FOR 132 KV SDE OF 132/3) KV POWER TRANSFORMER) RESCOURTE A RELAY PANEL. COMMON PANEL (RP.1) 31 KV SDE FEEDER CONTROL A RELAY PANEL. TRANSFORMER CONTROL A RELAY PANEL. REASSFORMER CONTROL A RELAY PANEL. REASSFORMER CONTROL A RELAY PANEL. AC & SO CHYPTE MAN A CD B, HAVING BOD A, SOKA, DRAWOUT TYPE ACB WITH 3 O'C, EF, LUY RELAYING MAN A CD B, HAVING BOD A, SOKA, DRAWOUT TYPE ACB WITH 3 O'C, EF, LUY RELAYING FACILITY BOOCK TYPE AS PER SPECIFICATION, MAN DG-1, MAN DG-2 WITH BC)	NOS NOS NOS NOS NOS NOS NOS NOS	1 2		0.00 0.00 0.00 0.00 0.00 0.00		0.00 0.00 0.00 0.00 0.00						0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00
22.3.4 22.3.5 22.3.6 22.3.4 22.4.1 22.4.2 22.4.3 23.1 23.1.1	TRANSFORMER CONTROL PANEL BUSCOULFE CONTROL PANEL BUSCOULFE CONTROL PANEL TRANSFORMER RELAY PANEL TRANSFORMER RELAY PANEL TRANSFORMER CONTROL & RELAY PANEL TRANSFORMER CONTROL & RELAY PANEL TRANSFORMER CONTROL & RELAY PANEL BUSCOULFE CONTROL & RELAY PANEL AND A DESCRIPTION OF THE CONTROL & RELAY PANEL BUSCOULFE CONTROL & RELAY PANEL AND A DESCRIPTION OF THE CONTROL & RELAY PANEL AND A DESCRIPTION OF THE A SEE RESPECTATION (MAN DB-1, MAN DB-2 WITH DG- ACOB BUNNER CONTROL & DER SEE SECRETATION (MAN DB-1, MAN DB-2 WITH DG- ACOB BUNNER CONTROL & DER SEE SECRETATION (MAN DB-1, MAN DB-2) WITH DG- ACOB BUNNER CONTROL & DER SEE SECRETATION (MAN DB-1, MAN DB-2) WITH DG- ACOB BUNNER CONTROL & DER SECRETATION (MAN DB-1, MAN DB-2) WITH DG- ACOB BUNNER CONTROL & DER SECRETATION (MAN DB-1, MAN DB-2) WITH DG- ACOB BUNNER CONTROL & DER SECRETATION (MAN DB-1, MAN DB-2) WITH DG- ACOB BUNNER CONTROL & DER SECRETATION (MAN DB-1, MAN DB-2) WITH DG- ACOB BUNNER CONTROL & DER SECRETATION (MAN DB-1, MAN DB-2) WITH DG- ACOB BUNNER CONTROL & DER SECRETATION (MAN DB-1, MAN DB-1, M	NOS NOS NOS NOS NOS NOS NOS	1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0						0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
22.3.4 22.3.5 22.3.6 22.3.4 22.4.1 22.4.2 22.4.3 23.1 23.1.1	TRANSFORMER OWN CONTROL, PANEL RESCOULER FOOTBOOL, PANEL RESCOULER FELAY PANEL FOR 132 KV SIDE OF 132/3 KV POWER TRANSFORMER; RUSCOULER FELAY PANEL SOMMON PANEL BE FELAY PANEL SOMMON PANEL BE FELAY PANEL SOM FELAY PANEL SOM FELAY PANEL BUSCOULER CONTROL & RELAY PANEL RUSCOULER CONTROL & RELAY PANEL RUSCOULER CONTROL & RELAY PANEL AGE SYSTEM AGE AGE AGE AGE AGE AGE AGE A	NOS NOS NOS NOS NOS NOS NOS SET SET	1 2 2 1 1 4 2		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0						0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00
22.3.4 22.3.5 22.3.6 22.3.4 22.4.1 22.4.2 22.4.3 23.1.1 23.1.1 23.1.2 23.1.3 23.1.4 23.1.4	TRANSFORMEN TRANSFORMEN TRANSFORMER TRANSF	NOS NOS NOS NOS NOS NOS NOS SET SET SET SET	1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0						0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
22.3.4 22.3.5 22.3.6 22.3.4 22.4 22.4.1 23.1.1 23.1.2 23.1.2 23.1.3 23.1.4 23.1.5 23.1.6 23.1.6 23.1.6 23.1.6 23.1.6 23.1.6	TRANSFORMEN TRANSFORMEN TRANSFORMER TRANSF	NOS NOS NOS NOS NOS NOS NOS SET SET SET SET	1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0						0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
22.3.4 22.3.5 22.3.6 22.3.4 22.4 22.4.1 23.1.1 23.1.2 23.1.2 23.1.3 23.1.4 23.1.5 23.1.6 23.1.6 23.1.6 23.1.6 23.1.6 23.1.6	TRANSFORMER RESCOURTER, CONTROL, DANE. BUSCOURTER, CONTROL, DANE. BUSCOURTER, COURTER, DANE. TRANSFORMER RELAY PANEL TRANSFORMER RELAY PANEL TRANSFORMER RELAY PANEL TRANSFORMER CONTROL & RELAY PANEL BUSCOURTER CONTROL & RELAY PANEL BUSCOURTER CONTROL & RELAY PANEL TRANSFORMER CONTROL & RELAY PANEL BUSCOURTER CONTROL & RELAY PANEL TRANSFORMER CONTROL & RELAY PANEL BUSCOURTER CONTROL & RELAY PANEL BUSCOURTER CONTROL & RELAY PANEL MAN AC DB. HAVING 600 A, 6XXL, DRAWOUT TYPE ACB WITH 3 CC, EF, LIV RELAYING FACILITY ROOSE TIPE AS PER SPECIFICATION, (MAN DB-1, MAN DB-2 WITH BC) ACDB HAVING 600 A MCCDI AS PER SPECIFICATION, (MAN DB-1, MAN DB-2 WITH BC) ACDB HAVING 600 A MCCDI AS PER SPECIFICATION, (MAN DB-1, MAN DB-2 WITH BC) MAN ILGHTING DISTRIBUTION BOAND PAWING 200 A MCCD AS N ECOLURERIAS PER SPECIFICATION (MITH DB-1 DB-2, & BC) MERCBENY LIGHTING DISTRIBUTION BOARD MOOOR RECEIPTACE BOARD	NOS NOS NOS NOS NOS NOS NOS NOS SET SET SET SET SET SET	1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0						0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
2234 2235 2236 2234 224 2241 2242 231 2311 2311 2311 2	TRANSFORMER RESCOURTER TOWN THE ANALYSE SECONDERS THE SEC	NOS NOS NOS NOS NOS NOS NOS SET SET SET SET SET SET SET SET SET SE	1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0						0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
2234 2235 2236 2234 224 2242 2243 2312 2311 23112 2312 23	TRANSFORMER TRANSF	NOS	1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0						0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
223.4 223.5 223.6 223.4 22.4 22.4 22.43 23.1 23.1.1 23.1.2 23.1.3 23.1.4 23.1.5 23.1.5 23.2 2	TRANSFORMER TRANSFORMER BECCOUNTER TWO HELP TRANSFORMER BELAY PANEL (FOR 132 KV SDE OF 132/3) KV POWER TRANSFORMER) BECCOUNTER SELAY PANEL TRANSFORMER DELAY PANEL TRANSFORMER DELAY PANEL TRANSFORMER DELAY PANEL COMMON PANEL (69-1) 31 KV SDE FEEDER CONTROL A RELAY PANEL TRANSFORMER DOWNER, A RELAY PANEL TRANSFORMER DOWNER, A RELAY PANEL TRANSFORMER DOWNER, A RELAY PANEL ACE SOLD THE SELAY PAN	NOS NOS NOS NOS NOS NOS NOS NOS SET SET SET SET SET SET SET SET SET SE	1 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0						0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
22.3.4 22.3.5 22.3.6 22.3.4 22.4.1 22.4.2 22.4.1 23.1.1 23.1.2 23.1.2 23.1.3 23.1.6 23.1.6 23.2 23.2 23.1.6 23.2 23.1.6 23.2 23.2 23.1.6 23.2 23.2 23.1.6 23.2 23.2 23.2 23.1.6 23.2 23.2 23.2 23.1.6 23.2 23.2 23.2 23.2 23.1 23.1.6 23.2 23.2 23.2 23.2 23.2 23.1 23.1 23.1	TRANSFORMER TRANSF	NOS	1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0						0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
22.3.4 22.3.5 22.3.6 22.3.4 22.4.1 22.4.1 22.4.2 22.4.3 23.1 23.1.1 23.1.2 23.1.2 23.1.2 23.1.2 23.1.2 23.1.4 23.1.5 23.1.6 23.2 23.2.1 23.2.1 23.2.1 23.2.1 23.2.1 23.2.1 23.2.1 23.2.2 23.2 23.2.2 23.2	TRANSFORMER TRANS	NOS	1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0						0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
22.3.4 22.3.5 22.3.6 22.3.4 22.4.1 22.4.2 22.4.3 23.1.1 23.1.4 23.1.5 23.1.5 23.1.6 23.1.2 23.1.2 23.1.2 23.1.2 23.1.2 23.1.2 23.1.3 23.1.4 23.1.5 23.1.6 23	TRANSFORMER RESCOURSE AND ADMINISTRATES RESCOURSE AND ADMINISTRATES TRANSFORMER RELAY PANEL (FOR 132 KV SDE OF 132/3) KV POWER TRANSFORMER) RESCOURSE A RELAY PANEL COMMON FAVEL (RAY) 31 KV SDE FEEDER CONTROL A RELAY PANEL TRANSFORMER CONTROL A RELAY PANEL TRANSFORMER CONTROL A RELAY PANEL RESCOURSE A RELAY PANEL RESCOURSE A RELAY PANEL RESCOURSE CONTROL AND CASE OF RESPECTATION, IMMN DB-1, MAN DB-2 WITH BC) RESCOURSE CONTROL AND CASE OF RESPECTATION, IMMN DB-1, MAN DB-2 WITH BC) RESCOURSE CONTROL AND CASE OF RESPECTATION, IMMN DB-1, MAN DB-2 WITH BC) RESCOURSE CONTROL AND CASE OF RESPECTATION, IMMN DB-1, MAN DB-2 WITH BC) RESCOURSE CONTROL AND CASE OF RESPECTATION, IMMN DB-1, MAN DB-2 WITH BC) RESCOURSE CONTROL AND CASE OF RESPECTATION, IMMN DB-1, MAN DB-2 WITH BC) RESCOURSE CONTROL AND CASE OF RESPECTATION, IMMN DB-1, MAN DB-2 WITH BC) RESCOURSE CONTROL AND CASE OF RESPECTATION, IMMN DB-1, MAN DB-2 WITH BC) RESCOURSE CONTROL AND CASE OF RESPECTATION, IMMN DB-1, MAN DB-2 WITH BC) RESCOURSE CONTROL AND CASE OF RESPECTATION, IMMN DB-1, MAN D	NOS	1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 2 2 2 2		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0						0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
22.3.4 22.3.5 22.3.5 22.3.4 22.4.1 22.4.2 22.4.3 23.1.2 23.1.2 23.1.2 23.1.2 23.1.3 23.1.4 23.1.5 23.1.2 23.2.2 23.2.3 23.2.4 23.2.2 23.2.3 23.2.4 24.2.4 24.2.4 24.2.4 25.2.4 26	TRANSFORMEN TRANSFORMEN TRANSFORMEN TRANSFORMER TRANSF	NOS	1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0						0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
223.6 223.6 223.6 223.6 223.1 224.1 225.1 225.2	TRANSFORMEN TRANSF	NOS	1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		0.00		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0						0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
223.4 223.5 223.5 223.6 223.6 224.1 224.1 224.2 231.1	TRANSFORMER TRANSF	NOS	1 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0		0.000 0.000						0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
223.4 223.5 223.5 223.6 223.6 224.1 224.1 224.2 231.1	TRANSFORMER TRANSF	MOS	1 2 2 2 1 1 1 1 1 1 2 2 2 2 1 1 1 1 1 1		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0		0.00						0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
223.4 223.5 223.5 223.6 223.6 224.1 224.1 224.2 221.2 231.2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	TRANSFORMEN TRANSFORMEN TRANSFORMEN TRANSFORMER TRANSF	MOS	1 2 2 1 1 1 1 1 1 1 1 2 2 2 2 2 1 1 1 1		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0						0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
223.4 223.5 223.5 223.6 223.6 224.1 224.1 224.2 221.2 231.2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	TRANSFORMER TRANSFORMER TRANSFORMER TREASPROMER TRANSFORMER TRANSF	MOS	1 2 2 2 1 1 1 1 1 1 2 2 2 2 1 1 1 1 1 1		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0		0.000 0.000						0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
223.4 223.5 223.5 223.6 223.6 224.1 224.1 224.2 221.2 231.2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	TRANSFORMER TRANSF	MOS	1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Use Es. Works	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	Use Fail	0.00	Mode of Transaction (Deep Cartes)	UIE Ecolos GAD	Ust WIT.	Us GT	Any other two	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	000 000 000 000 000 000 000 000 000 00
22.34 22.35 22.35 22.35 22.41 22.41 22.41 22.42 22.12 23.13 23.14 23.14 23.15 23.16	TRANSFORMER TRANSF	MOS NOS NOS SET NOS SET NOS SET NOS SET NOS SET	1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Total Ex-Works	0.00	Line Fall Charges IN INSE	0.00	Made of Transition (French Control of Borghinese Control of Borghi	UNI ESSAS AGY	List VAT N N N N N N N N N N N N N N N N N N N	DR CST 1 MR	They did to the IN 1996	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
223.4 223.5 223.6 223.6 223.6 224.1 224.1 224.1 224.1 221.1 231.1 231.4 231.4 231.4 231.4 231.5 231.4 231.5 231.6	TRANSFORMER TRANSF	MOS NOS NOS SET NOS SET NOS SET NOS SET NOS SET	1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Unit Ex-Works Price IN INR	0.00	Uss FAI Chargos IN INR	0.00	Transaction (Direct or Bought-out	UVE Excess Ady N AIR	Ust WF NAME	Uw CST n NK	Any other tax IN INF	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	000 000 000 000 000 000 000 000 000 00
223.4 223.5 223.6 223.6 223.6 224.1 224.1 224.1 224.1 221.1 231.1 231.4 231.4 231.4 231.4 231.5 231.4 231.5 231.6	TRANSFORMER TRANSF	MOS NOS NOS SET NOS SET NOS SET NOS SET NOS SET	TO C. Transmissors A. C. C. Transmissors C.	Unit Ex-Works Price Di NR.	0.00	Use Fall Charges IN DR	0.00	Transaction (Direct or Bought-out	US Entire Agy	Date VAT	Use CST in Note	Any official last	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	000 000 000 000 000 000 000 000 000 00
723.4 723.5 723.6 723.6 723.4 724.1 724.2 724.2 724.1	TRANSFORMER TRANSF	NOS	Coll 20 NOT Commission Coll 20 NOT Coll 20 NO	Unit Ex-Works Price IN INC.	GASP	Uni FAI Charges Iti IbiR	0.000 0.000	Transaction (Direct or Bought-out					0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
223.4 223.5 223.6 223.6 223.4 224.1 22	TRANSFORMER TRANSF	MOS NOS NOS SET NOS SET NOS SET NOS SET NOS SET	TO C. Transmissors A. C. C. Transmissors C.	Date For Works For North	0.00	Line Fall Changes IN INST	0.00	Transaction (Direct or Bought-out	UII Esses do N N N N N N N N N N N N N N N N N N	Die Wit New 11	Use CST in INK.	Any other last	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
223.4 223.5 223.6 223.6 223.4 223.4 224.1 224.1 224.2 224.3 22.1 221.1 221.2 221	TRANSFORMER TRANS	NOS	Coll 20 NOT Commission Coll 20 NOT Coll 20 NO	Unit Es-Works Price Dr D'SR	GASP	Unit F&I Charges IN INR	0.000 0.000	Transaction (Direct or Bought-out					0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
223.4 223.8 223.8 223.8 223.1 224.1 224.1 224.1 224.1 224.1 221.1	TRANSFORMER TRANS	NOS	Coll 20 NOT Commission Coll 20 NOT Coll 20 NO	Unite Ex-Works Price IN INIR	GASP	Unit Fail Chargos IN INR	0.000 0.000	Transaction (Direct or Bought-out					0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
223.4 223.5 223.6 223.6 223.6 223.6 223.1 223.1 223.1 231.1	TRANSFORMEN TRANSF	NOS	OTEN WAY A CONTRACT OF THE ACT OF	Date Es-Works NYCE NYCE	GASP	Line F&I Charges IN INR	0.000 0.000	Transaction (Direct or Bought-out					0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
223.4 223.5 223.6 223.6 223.6 223.7 223.7 223.7 224.1	TRANSFORMEN TRANSF	NOS	OTEN WAY A CONTRACT OF THE ACT OF	Unite Ets Works Files IN DIR S S	GASP	Use Fail Charges IN INR	0.000 0.000	Transaction (Direct or Bought-out					0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
223.4 223.8 223.8 223.8 223.8 223.1 224.1 224.1 224.1 224.1 221.1 221.1 221.1 221.1 221.1 221.1 221.1 221.1 221.1 231.1	TRANSFORMER TRANS	NOS	OTEN WAY A CONTRACT OF THE ACT OF	Unit Ex-Works Price In Intel S	GASP	Con Fall Charges In the	0.000 0.000	Transaction (Direct or Bought-out					0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
223.4 223.8 223.8 223.6 223.1 224.1 224.1 224.1 221.1 22	TRANSFORMEN TRANSF	NOS	OTEN WAY A CONTRACT OF THE ACT OF	Unit Ex-Works Price Dx Dx Dx	GASP	Unit F&I Oranges IN INR	0.000 0.000	Transaction (Direct or Bought-out					0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
223.14 223.1 223.1 223.1 223.1 223.1 223.1 233.1 233.1 231.1	TRANSFORMEN TRANSF	NOS	1	Unite Ex-Works Price IN INR	0.000 0.000	Unit Fall Chargos IN INR	0.000 0.000	Transaction (Direct or Bought-out					0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
223.4 223.8 223.6 223.6 223.6 223.6 223.1 223.1 223.1 23.1 23.1 23.1 23.1 2	TRANSFORMER TRANSF	NOS	Committee Comm	Unit Es-Works NYC DN DNR	0.000 0.000	Live FSI Charges IN INS	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	Transaction (Direct or Bought-out					0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
223.4 223.8 223.8 223.8 223.8 223.8 223.1	TRANSFORMER TRANS	NOS	2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Date Es-Works N No.	0.000 0.000	Limit Fill Charges IN INST.	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	Transaction (Direct or Bought-out					0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
223.4 223.8 223.8 223.8 223.8 223.1 223.1 223.1 223.1 223.1 24.1 24	TRANSFORMER TRANS	NOS	2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Unit Ex-Works Price In Irw.	GAS GAS	Chri F&E Churges Itt IbR	0.000 0.000	Transaction (Direct or Bought-out					0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
223.1 223.2 223.6 223.6 223.6 223.6 223.1 223.1 223.1 24.1 25.1 26.1 27.	TRANSFORMEN TRANSF	NOS	2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Unit Ex-Works Price N DW S	GAS GAS	Use FAI Chargos IN INR	0.000 0.000	Transaction (Direct or Bought-out					0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0

2.7	CIRCUT PLATE ON BITEODOING EASTLING	Nos.	206		0.00		0.00						0.00	0.00	0.00
3.0	COLINTERPOISE EASTHAIN Supply of following POWER CONDUCTORS in the proposed 132 kV lines with provision for sag and wastage as per the technical specification and as per the instruction of the engineer in charge.		Ů		0.00		0.00						0.00	0.00	
	ACSR PANTHER POWER CONDUCTOR ACESSORIES For ACSR PANTHER	Kms.	175.83		0.00		0.00						0.00	0.00	0.00
4.1.1	VIBRATION DAMPER MID SPAN JOINT	Nos.	1236 176		0.00		0.00						0.00	0.00	0.00
4.1.3 4.1.4	REPAIR SLEEVE P A ROD FOR ACSR PANTHER	Nos.	176 504		0.00		0.00						0.00	0.00	0.00
4.1.5 5.0	PG CLAMP FOR ACSR PANTHER Supply of the GI earth wise of size 7/3.15 mm as per the technical specification, with provision for Sag & Wastatoa and as per the direction of Endineer in charge.	Nos. Kms.	29.3		0.00		0.00						0.00	0.00	0.00
	Wastable and as but the direction of Entimeer of Charles. EARTH CONDUCTOR ACESSORIES VIBRATION DAMPER	Nos.	29.3		0.00		0.00						0.00	0.00	0.00
6.2	FLEXIBLE COPPER EARTH BOND SUSPENSION CLAMP	Nos.	38 84		0.00		0.00						0.00	0.00	0.00
6.4	TENSION CLAMP MID SPAN COMPRESSION JOINT	Nos.	38		0.00		0.00						0.00	0.00	0.00
6.6 7.0	REPAIR SLEEVE Supply of the following. Anti fog type disc insulators as per the technical specification and as per the	Nos.	30		0.00		0.00						0.00	0.00	0.00
7.1 7.2	instruction of the Engineer in charge. 90 KN Insulator	Nos.	7258 2457		0.00		0.00						0.00	0.00	0.00
8.0	120 KN Insulator Supply of the following: hard ware fittings suitable for ACSR Panther conductors as per the technical secedification.	1402.	2437		*****										
8.1 8.1.1	For ACSR PANTHER Single suspension Hard wares fittings.(AGS type) suitable for 90 KN insulator.	Nos.	240		0.00		0.00						0.00	0.00	0.00
8.1.3	Double suscension Hard wares fittings (AGS type) suitable for 90 KN insulator. Single tension Hard wares fittings suitable for 120 KN insulator.	Nos. Nos.	264 54		0.00 0.00 0.00		0.00 0.00 0.00						0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00
8.1.5	Double tension Hard wares fittings suitable for 120 KN insulator. "D" Shackle	Nos.	90		0.00		0.00						0.00	0.00	0.00
8.1.6 8.1.7	U-Bolt.	Nos. Nos	0		0.00		0.00						0.00	0.00	0.00
Sl. No.	TOTAL OF SUPPLY FOR TRANSMISSION LINE SUPPLY_MANDATORY SPARES DESCRIPTION OF ITEMS(SCHEDULE-2A-SS)	UNITS	more a	Unit Ex-Works	Total Ex-Works Price	Unit F&I Charges	Total F&I Charges	Mode of	Unit Excise duty	Unit VAT	Unit CST	Any other tax	Total Taxes and	Unit FORD Price	TOTAL FORD
SI. No.	SUPPLY OF FOLLOWING EQUIPMENT & MATERIALS (As per Technical Specification)	UNIIS	TOTAL QUANTITY	Price IN INR	IN INR	IN INR	IN INR	Transaction (Direct or Bought-out	IN INR	IN INR	in INR	IN INR	daties IN INR	IN INR	Price IN INR
	(As per recnnical specification)			IN INK				or Bought-out item)							
1	2	3	4	5	6=5x4	7	8::7x4	9	10	11	12	13		15=5+7+10+11+12+13	
1 2	145 KV.(800-400-200 A),31.5KA,4CORE SINGLE PHASE CURRENT TRANSFORMER INCLUDING TERMINAL CONNECTOR 145 KV.(250A,31.5KA,80LATORS)	NOS	2		0.00		0.00						0.00	0.00	0.00
2.1	MALE & FEMALE CONTACTS POWER CONTACTOR RELAYS MCBs.	SET	1 1		0.00		0.00						0.00	0.00	0.00
		SET	2		0.00		0.00						0.00	0.00	0.00
2.4	ANTONIO DELLA CONTROLLA CO	SET SET	1		0.00		0.00						0.00	0.00	0.00
	EARTHING BOD & BLADE CONTACT SIDE HINGE PINS.TERMINAL CONNECTOR.TERMINAL PAD POST INSULATOR SUPPORT	SET SET (SNOS.	1		0.00		0.00						0.00	0.00	0.00
2.8	PUST INSULATOR SUPPORT 145 KV,6600pF,3CORE,SINGLE PHASE CAPACITOR VOLTAGE TRANSFORMER INCLUDING TERMINAL CONNECTOR	PER SET) NOS	1 1		0.00		0.00						0.00	0.00	0.00
4	120 KV,METAL OXIDE 10 KA, CLASS III SURGE ARRESTOR, COMPLETING WITH INSULATING BASE & SURGE	NOS	2		0.00		0.00						0.00	0.00	0.00
5 6	145 KV ,2 CORE, SINGLE PHASE, IVT INCLUDING TERMINAL CONNECTOR	NOS NOS	1 2		0.00		0.00						0.00	0.00	0.00
7 7.1 7.2	132 KV Bus Pool Insulators 140 KV 1300 A 600 A 50 C ACCUST BREAKER COMPLETE ONE POLE SSESSINEY OF BREAKER SPRING CHISGROWN MITCOR BREIKER AUXILIARY CONTACTS POWER COMPLETORS, RELAYS MICES, POWER COMPLETORS, RELAYS MICES,	NOS NOS	1		0.00		0.00						0.00	0.00	0.00
7.2	BREKER AUXILIARY CONTACTS POWER CONTACTORS, RELAYS, MCBa,	NOS SET	1		0.00		0.00						0.00	0.00	0.00
7.4	SWITCHES,FUSES,PUSH BUTTONS,RESISTORS,PRESSURE SWITCHES,LIMIT SWITCHES, ETC AS PER APPROVED SCHEMATIC. DENSITY MONTORING SYSTEM (IF REQUIRED)	SET SET NOS	1		0.00		0.00						0.00	0.00	0.00
	CLOSING COIL	NOS	4 4		0.00		0.00						0.00	0.00	0.00
7.8	INTERVINO CHICA SERVINO CHICA	NOS SET	1		0.00		0.00						0.00	0.00	0.00
8.1	36 KV,(800-400-200 A),25KA,4 CORE SINGLE PHASE CURRENT TRANSFORMER 36 KV,(800-400-200 A),25KA,4 CORE SINGLE	NOS NOS	2		0.00		0.00						0.00	0.00	0.00
	PHASE CURRENT TRANSFORMER	SET	-		0.00		0.00						0.00	0.00	0.00
9.2	38.KYLTUNA-INSA, ISORA (LONS) MUE & FEMU E CONTACTS POWER CONTACTOR, RELAYS, MCBs, SWITCHES FLUES PLUSH BUTTONS, RESISTORS ETC. AS PER APPROVED SCHEMATIC.	SET	1		0.00		0.00						0.00	0.00	0.00
	LIMIT SWITCH MOTOR WITH GEAR ASSEMBLY & BEVEL GEAR ASSEMBLY COMPLETE.	SET	1		0.00		0.00						0.00	0.00	0.00
9.6	AUGULIARY SWITCH CONTACTS ASSEMBLY EARTHING ROD & BLADE CONTACT SIDE	SET	1		0.00		0.00						0.00	0.00	0.00
9.7	HINGE PINS TERMINAL CONNECTOR TERMINAL PAD POST INSULATOR SUPPORT	SET (SNOS. PER SET)	1		0.00		0.00						0.00	0.00	0.00
10	30 KV,METAL OXIDE, 10 KA, CLASS II SURGE ARRESTOR COMPLETE WITH INSULATOR BASE AND SURGE MONITOR	NOS	3		0.00		0.00						0.00	0.00	0.00
11	ARRESTOR COMPLETE WITH INSILATOR BASE AND SURGE MONITOR 38 KV 2 CORE SINGLE PHASE PARTY INCLIDING TERMINAL CONNECTOR 38 KV 12 CORE SAV VACIOUS (CICILIT BREAKER	NOS	1		0.00		0.00						0.00	0.00	0.00
14.1	36KV, 1250A, 25KA, VACUUM CIRCUIT BREAKER ONE COMPLETE POLE ASSEMBLY OF CIRCUIT BREAKER	SET	1		0.00		0.00						0.00	0.00	0.00
12.2 12.3 12.4	TRIPPING CICLS CLOSING COIL SPRING CHARGING MOTOR	NOS NOS NOS	4		0.00		0.00						0.00	0.00 0.00 0.00	0.00
12.5	AUXILIARY SWITCH CONTACTS ASSEMBLY SET OF GASKET, "O" RINGS, SEALING PER	SET	1		0.00		0.00						0.00	0.00	0.00
12.7	CIRCUIT BREAKER POWER CONTACTORS, RELAYS, MCBs., SWITCHES, FLUSES, PUSH BUTTONS, RESISTORS, PRESSURE SWITCHES, LIMIT SWITCHES, ETC AS PER	SET	1		0.00		0.00						0.00	0.00	0.00
13	APPROVED SCHEMATIC	NOS	3		0.00		0.00						0.00	0.00	0.00
	SS NV GOL FOR POSSESSON BUS BAR A CRUCKLIT MATERIALS. 120 NA ARTIFOG NISLLATOR STRINGS for Double Moose cond (TENSION)-132 KV 120 NA ARTIFOG NISLLATOR STRINGS for Single Moose cond (TENSION)-132 KV 120 NA ARTIFOG NISLLATOR STRINGS for Single Moose cond (TENSION)-132 KV	SET	2 2		0.00		0.00						0.00	0.00	0.00
14.4	120 N. ANTIFOG INSLATOR STRINGS for Double Mosse cond (TENSION-33 KV) 120 N. ANTIFOG INSLATOR STRINGS for Stonio Mosse cond (TENSION-33 KV) 30 N. ANTIFOG INSLATOR STRINGS for Double' Single Mosse cond (SUSPENSION-132 KV)	SET	2 2		0.00		0.00						0.00	0.00	0.00
14.6	30 IN ANTIFOG INSULATOR STRINGS for Double/ Sinale Moose cond (SUSPENSION)-33 KV ACSR MOOSE CONDUCTOR	SET MTRS	2 250		0.00		0.00						0.00	0.00	0.00
16	HARDWARES & FITTINGS/SPACERS/CLAMP & CONNECTORS ETC. FOR 132 KV & 33 KV	SET (EACH TYPE THREE	1		0.00		0.00						0.00	0.00	0.00
17	GENERAL EQUIPMENT & SUBSTATION ACCESSORIES	NOS.1													
17.1	ACCESSORIES POWER CABLES,1.HV,XLPE & PVC,ARMOURED, ALUBINUM CONDUCTORIAs per Seccification) 3. CANDO meri (TONE PIECE OF MANNAL LENGTH OF CABLE USED)-XLPE														
		PCS.	1		0.00		0.00						0.00	0.00	0.00
17.1.3	A C CY30 mm ² (ONE PIECE OF MAYAL ENGTH OF CABLE LISEDILLY PE 3.5 CY30 mm ² (ONE PIECE OF MAYAL ENGTH OF CABLE LISED) PVC 3.5 CY30 mm ² (ONE PIECE OF MAYAL ENGTH OF CABLE LISED) PVC 3.5 CY30 mm ² (ONE PIECE OF MAYAL LENGTH OF CABLE LISED) PVC	PCS. PCS. PCS.	1		0.00		0.00						0.00 0.00	0.00 0.00 0.00	0.00
17.1.6	3.5 CXS5 mm² (DNE PECE OF MAXM. LENGTH OF CABLE USED)-PVC 4 CX 5 mm² - PVC 4 CX 6 mm² - PVC	MTRS MTRS	250 250		0.00		0.00						0.00	0.00	0.00
	4-0.5 ptm - PVC CONTROL CABLES.1.1 KV. PVC.STRANDED COPPER(As per specification)	MTRS	250		0.00		0.00						0.00	0.00	0.00
17.2.1	4 CX 2.5 mm ² (ONE DRUM HAVING LENGTH OF 500 MTRS) 5 CX 2.5 mm ² (ONE DRUM HAVING LENGTH OF 500 MTRS) 7 CX 2.5 mm ² (ONE DRUM HAVING LENGTH OF 500 MTRS)	Mtrs Mtrs Mtrs	500 500 500		0.00		0.00						0.00 0.00	0.00 00.0 0.00	0.00
17.2.4	7.CX.2.5 mm² (DNE DRIMI HAVING LENGTH OF 500 MTRS). 10.CX.2.5 mm² (DNE DRIMI HAVING LENGTH OF 500 MTRS). 12.CX.2.5 mm² (DNE DRIMI HAVING LENGTH OF 500 MTRS).	Mtrs Mtrs	500 500		0.00		0.00						0.00	0.00	0.00
17.2.6	12 CX 2.5 mm* (UNE DUM HAVING LENGTH OF 250 M HS) 19 CX 2.5 mm* (ONE DRUM HAVING LENGTH OF 250 M HS) 19 CX 2.5 mm* (ONE DRUM HAVING LENGTH OF 250 M HS)	Mtrs Mtrs	250 250		0.00		0.00						0.00	0.00	0.00
17.2.8	1CX 120 mm ² BATTO BATCHARGER & CHARGER TO DCDB CARRER COMMUNICATION & OTHER MATERIALS	MTRS	50		0.00		0.00						0.00	0.00	0.00
17.3.1	132 KV,1200 A,0.5mH,Pedestal Mounting	NOS	1		0.00		0.00						0.00	0.00	0.00
17.3.2 17.3.3	LINE MATCHING LINE R	SET	1		0.00		0.00						0.00	0.00	0.00
17.3.3 17.3.4 17.3.5	UNITE MATCHING DISTRIBUTION UNT VIELA TYPE BATTERY 300 AH ONE COMPLETE CELL ASSEMBLY OF BATTERY/FOR 48 VI PLANTE TYPE BATTERY 300 AH ONE COMPLETE CELL ASSEMBLY OF BATTERY/FOR 20 VI BATTERY CHARGER FOR 300 AH (48V) ONE COMPLETE SET OF ELECTRONIC CARDS STEED CHARGER FOR 300 AH (48V) ONE COMPLETE SET OF ELECTRONIC CARDS	NO NO SET	1		0.00		0.00						0.00	0.00 0.00 0.00	0.00
40	BATTERY CHARGER FOR 350 AH (2201/) ONE COMPLETE SET OF ELECTRONIC CARDS PROTECTION, CONTROL METERING, EVENT LOGGER, BUS BAR PROTN PAN, COMM PAN, RELAY TOOL KITS AS PER TECH RAPCE AND ROD OF OR POM	SET	1		0.00		0.00						0.00	0.00	0.00
18.1	132 KV SIDE	NOS NOS	1		0.00		0.00						0.00	0.00	0.00
18.1.2 18.1.3	OVER CURRENT & EARTH FAULT RELAY MASTER TRIP RELAY	NOS NOS NOS	2		0.00		0.00						0.00	0.00	0.00 0.00
18.1.5	TRIP SUPERVISION RELAY.	NOS SET	3		0.00		0.00						0.00	0.00	0.00
18.1.7 18.1.8	DISCREPANCY CONTROL SWITCH	NOS NOS	1 2		0.00		0.00						0.00	0.00	0.00
18.1.9	a) FOR CIRCUIT BREAKER B) FOR ISCALCING FOR ISCALCING FOR ISCALCING FOR ISCALCING FOR ISCALCING SWITCH AMMS IT IS SELECTOR SWITCH AMMS IT IS SELECTOR SWITCH	NOS NOS	2 1		0.00		0.00						0.00	0.00	0.00
18.1.10	AMMETER SELECTOR SWITCH VOLTMETER SELECTOR SWITCH AMMETER ALONG WITH TRANSDUCER	NOS NOS SET	1		0.00		0.00						0.00	0.00	0.00
18.1.13	VOLTMETER ALONG WITH TRANSDUCER MW METER ALONG WITH TRANSDUCER	SET SET	1 1		0.00		0.00						0.00	0.00	0.00
18.1.15 18.2 18.2.1	MVAR METER ALONG WITH TRANSDUCER 33 KV SIDE OUER CLIREPATA FARTH FAILET RELIAY	SET	1		0.00		0.00						0.00	0.00	0.00
18.2.1 18.2.2 18.2.3	MORE ME HE MOUSE WITH HERISDOCK. SOURCE CURRENT & FACHTH FAILE, TRELAY OTHER MULLIARY RELAYS (EACH 1 NO, OF DIFFERENT TYPE) ANALOGATOR. OTHER MULLIARY RELAYS (EACH 1 NO, OF DIFFERENT TYPE)	NOS SET	2		0.00		0.00						0.00	0.00	0.00
18.2.4 18.2.5	AMMARIATOR CONTROL SWITCHES FOR a) CIRCUIT BREAKER b) ISOLATOR	NOS NOS	2		0.00		0.00						0.00	0.00	0.00
18.2.6	PROTECTION TRANSFER SWITCH	NOS NOS	2		0.00		0.00						0.00	0.00	0.00
18.2.7 18.2.8 18.2.9	AMMETER SELECTOR SWITCH VOLTMETER SELECTOR SWITCH AMMETER ALONG WITH TRANSDUCER	NOS NOS SET	1		0.00 0.00 0.00		0.00						0.00 0.00	0.00 0.00 0.00	0.00
18.2.10	VOLTMETER ALONG WITH TRANSDUCER MW METER ALONG WITH TRANSDUCER	SET SET SET	1		0.00		0.00						0.00	0.00	0.00
18.2.12	MAR METER ALONG WITH TRANSDICER TOTAL FOR SUPPLY OF MANDATORY SPARES	o£1	'		0.00		0.00						0.00	0.00	0.00
	SUPPLY PRICE_TOTAL OF SCHEDULE 2A														0.00
Note:	Before filling up rate/amount etc. in the schedules bidders are requested to read carefully the instruction														

Elefore Illing up rate/amount etc. in the schedules bidders are requested to read carefully the instruction given in Vol-I of Bidding Document.

2. Bidders are required to fill up only blue shaded cells.

3. Bidders are required to fill up only blue shaded cells.

5. Bidders are required to file up only blue shaded cells.

8. Bidders are required to fol toware options blue. If any column is left blank it shall be considered that amount against those items are included in any other item and the total amount for that item shall be calculated as free of cost (Zero 4. In mode of transaction column please indicate DirectBought-Out. For Taxes & Duties on DirectBought-out litems rel clause 6.0 of SCC (Vol-IA).

PACKAGE 67(I)/2014-15

ODISHA POWER TRANSMISSION CORPORATION LIMITED

NAME OF THE WORK-Construction of 2X20 MVA,132/33 KV Ss at GHENS in Baragarh
district with associated 132 KV DC Transmission Line from proposed 220/132/33 KV
Baragarh Grid Ss. (App. Line Lenght: 28.87E/ms.)

NOTICE INVITING TENDER-NIT NO. 67/2014-15 & BID DOCUMENT No.-Sr. G.MCPC. TENDER- GHENNBARAGARH)- PACKAGE-67(I) / 2014-15

SCHEDILE-2-CERECTION & CIVILWORKS/REQuipment/Materials Price Break-up
of Ex-works Prices against Package-67(I)-GHENS)

ERECTION_SUBSTATION EQUIPMENT & MATERIALS	Total Erection Price
RECTION, SUBSTATION EQUIPMENT & MATERIALS DESCRIPTION OF ITEMS(SCHEDULE-2C) DESCRIPTION OF ITEMS(SCHEDULE-2C) UNIT QUANTITY: for Construction of 22/20 MVA, 12/23 &V SS., GRESS (132 &V Bg-60 Nos. (2) EPIX of 1750 & OI 1750 &	Total Erection Price
ERECTION,TESTING & COMMISSIONING OF FOLLOWING EQUIPMENTS ALONG WITH CIVIL WORKS (As per Technical Specification) Section 1	Total Erection Price
PART-A ELECTRICAL WORKS	IN INR
1 145 KV,800-040-200 A.31.5 KAJCORE SINGLE PHASE CURRENT TRANSFORMER (3 NOS PS CLASS & 1 NO. 0.25 CLASS & 1 NO. 0.26 CLASS NO. 0.2	6=4x5
2.1 SAWTH OUT EARTH SWITCH NOS 9 2.2 DI WITH SINGLE EARTH SWITCH NOS 2 3.1 DI WITH OUT EARTH SWITCH NOS 2 3.1 145 KV, 6800p5 2CORE SINGLE PHASE CAPACITOR VOLTAGE TRANSFORMER NOS 6 4.1 DI KWITE ALL QUAS ENGLE E PHASE SENGLE PHASE CAPACITOR VOLTAGE TRANSFORMER NOS 6 4.1 DI KWITE ALL QUAS ENGLE PHASE SINGLE PHASE CAPACITOR VOLTAGE TRANSFORMER NOS 12 5.1 145 KV, 2 CORE SINGLE PHASE LY ALL QUAS SINGLE PHASE SI	0.00
23 DI WITHOUT EARTH SWITCH	0.00
3 146 KV, 9800pF, 3CORE, SNGILE PHASE CAPACITOR VOLTAGE TRANSFORMER NOS 6 4 120 KV METAL QUOLE SURGE. ARRESTOR, 10 KA, Clisis III NOS 12 5 166 KV, 2 CORE, SNGILE PHASE, KVI NOS 3 6 166 KV, 2 CORE, SNGILE PHASE, KVI NOS 16 7 146 KV, 3100A, 40 KA, SPE, CIRCUIT BREAKER WITH SUPPORTING STRUCTURE NOS 16 7 146 KV, 3100A, 40 KA, SPE, CIRCUIT BREAKER WITH SUPPORTING STRUCTURE NOS 5 7 36 KV, 800-400-200, 25KA, 3 CORE SINGLE PHASE CURRENT TRANSFORMER(2 NOS PS CLASS & 1 NO. 0.26 CLASS) NOS 15 7 28 KV, 800-400-200, 25KA, 4 CORE SINGLE PHASE CURRENT TRANSFORMER (3 NOS PS CLASS & 1 NO. 0.26 CLASS) NOS 6 7 16 KV, CLASS NOT FOR POWER TRANSFORMER REF PROTECTION (RATIO 800-400-200 A) & HAVING TWO CORE 8 SK KV CLASS NOT FOR POWER TRANSFORMER REF PROTECTION (RATIO 800-400-200 A) & HAVING TWO CORE 8 SK KV CLASS NOT FOR POWER TRANSFORMER REF PROTECTION (RATIO 800-400-200 A) & HAVING TWO CORE	0.00
5 146 KV, 2 CORE, SINGLE PHASE, IVT NOS 3 6 132 KV Bus Post Insulations III SUPPORTING STRUCTURE NOS 16 7 146KV, 3150A, 40KA, SF6, CIRCUIT BREAKER WITH SUPPORTING STRUCTURE NOS 5 7.1 36 KV, 800-400-200, 25KA, 3 CORE SINGLE PHASE CURRENT TRANSFORMER(2 NOS PS CLASS & 1 NO. 0.2% CLASS) NOS 15 7.2 36 KV, 800-400-200, 25KA, 4 CORE SINGLE PHASE CURRENT TRANSFORMER (3 NOS PS CLASS & 1 NO. 0.2% CLASS) NOS 6 CLASS I SOLUTION OF THE PROPERTY OF TRANSFORMER (10 800-400-200 A) & HAVING TWO CORE	0.00
7 145KV, 3150A, 40KA, SF6, CIRCUIT BREAKER WITH SUPPORTING STRUCTURE NOS 5 7.1 36 KV,800-400-200,25KA,3 CORE SINGLE PHASE CURRENT TRANSFORMER(2 NOS PS CLASS & 1 NO. 0.2± CLASS) NOS 15 7.2 36 KV, 800-400-200, 25KA, 4 CORE SINGLE PHASE CURRENT TRANSFORMER (3 NOS PS CLASS & 1 NO. 0.2± CLASS) NOS 6 CLASS 8 3 KV CLASS NOT FOR POWER TRANSFORMER REF PROTECTION (RATIO 800-400-200 A) & HAVING TWO CORE	0.00 0.00
72 36 KV, 800-400-200, 25KA, 4 CORE SINGLE PHASE CURRENT TRANSFORMER (3 NOS PS CLASS & 1 NO. 0.25 CLASS) 6 36 KV CLASS NOT FOR POWER TRANSFORMER REF PROTECTION (RATIO 800-400-200 A) & HAVING TWO CORE	0.00
CLASS) NUS 5 8 38 KV CLASS NCT FOR POWER TRANSFORMER REF PROTECTION (RATIO 800-400-200 A) 8 HAVING TWO CORE 8 3 KV CLASS NCT FOR POWER TRANSFORMER REF PROTECTION (RATIO 800-400-200 A) 8 HAVING TWO CORE	0.00
(FOCKAS) (IN ENGITE OVER TRANSFORMER 132 RV SIDE. I NO. & SS RV SIDE. I NO.	0.00
9 36 KV 1250 2 25KA 150 LATORS 9 8 9 15 SEV 1250 2 25KA 150 LATORS 9 8 9 15 SEV 1250 2 25KA 150 LATORS 9 8 9 15 SEV 1250 2 25KA 150 LATORS 9 15 SEV 1250 2 25KA 150 LATORS 9 15 SEV 1250 2 25KA 150 LATORS 9 15 SEV 125KA 150 LATO	0.00
9.2 DIWITH SINGLE EARTH SWITCH NOS 4 9.3 DIWITHOUT EARTH SWITCH NOS 2 9.4 SI WITH BEAM MOUNTED NOS 2	0.00 0.00 0.00
24 SI WITH DEVINOUNTED NOS 2	0.00
12 38KV_120A_258K_VEGUIN CIRCUIT SEEAKER WITH SUPPORTING STRUCTURE NOS 7 38KV_120A_258K_VEGUIN CIRCUIT SEEAKER WITH SUPPORTING STRUCTURE NOS 7 38KV_120A_258K_VEGUIN CIRCUIT SEEAKER WITH SUPPORTING STRUCTURE NOS 7	0.00
14 BUS BAR & GIRCUIT MATERIALS	
14.1.1 120 M. ANTIFOO INSULATOR STRINGS for Double Moose cond (TENSION-132 KV SET 18 14.1.2 120 M. ANTIFOO INSULATOR STRINGS for Single Moose cond (TENSION-132 KV SET 6 14.1.2 120 M. ANTIFOO INSULATOR STRINGS for Single Moose cond (TENSION-132 KV SET 6 14.1.2 120 M. ANTIFOO INSULATOR STRINGS for Single Moose cond (TENSION-132 KV SET 6 14.1.2	0.00 0.00
14.1.3 120 kN ANTIFOG INSULATOR STRINGS for Double Moose cond (TENSION)-33 KV SET 18 14.1.4 120 kN ANTIFOG INSULATOR STRINGS. for Single Moose cond(TENSION)-33 KV SET 12 14.1.4 120 kN ANTIFOG INSULATOR STRINGS. for Single Moose cond(TENSION)-33 KV SET 12	0.00
114.15 90 NA ANTFOG INSULATOR STRINGS for Double/ Single Moose cond (SUSPENSION)+32 kV SET 6 14.18 90 NA ANTFOG INSULATOR STRINGS for Double/ Single Moose cond (SUSPENSION)+33 kV SET 18 14.2 Supply of labour,TAP and other necessary arrangements for stringing of bus bar conductors, hoisting of single or double insulator strings, Single or Double Hard-wares Fittings, Clamp & connectors, as per requirements, Jumpers, connections to Equipments, Issting commissioning etc. as either instruction of Engineerin chance.	0.00
142.1 Single conductor	0.00
14.3 Supply of labour T&P & other necessary arrangement for erection of all type of HARDWARES & FITTNOSSPACERSULAMP & CONNECTOR'S as or the instruction of Engineer-in charge.	0.00
14.4 EARTH SPIKES & IT'S HARDWARES & FITTING 14.4.1 FOR 132KV SIDE: 22 NOS @ 7 MTRS LENGTH EACH SET 22 14.4.2 FOR 33 KV SIDE: 9 NOS @ 5 MTRS EACH SET 19	0.00 0.00
14.4.3 FOR 132NY SDE: 22 NOS @ 7 MTRS LENGTH EACH 14.5.1 EARTHM CONDUCTOR FOR BURRAL: 75XN ome Git Earth Fail or laying (specing maximum 6m) (skidastion earth mart): Design, engineering. 14.5.1 EARTHM CONDUCTOR FOR BURRAL: 75XN ome Git Earth Fail or laying (specing maximum 6m) (skidastion earth mart): Design, engineering. 14.5.1 EARTHM CONDUCTOR FOR BURRAL: 75XN ome Git Earth Fail or laying of earth mat conductors of size 75XN ome Git Earth Fail or State (specing maximum 6m) (skidastion earth mart): Design, engineering. 15.5.1 Earthm Conductor For State (specing maximum 6m) (skidastion earth mart): Design, engineering. 16.5.1 Earthm Conductor For State (specing maximum 6m) (skidastion earth mart): Design, engineering. 16.5.1 Earthm Conductor For State (specing maximum 6m) (skidastion earth mart): Design, engineering. 16.5.1 Earthm Conductor For State (specing maximum 6m) (skidastion earth mart): Design, engineering. 16.5.1 Earthm Conductor For State (specing maximum 6m) (skidastion earth mart): Design, engineering. 16.5.1 Earthm Conductor For State (specing maximum 6m) (skidastion earth mart): Design, engineering. 16.5.1 Earthm Conductor For State (specing maximum 6m) (skidastion earth mart): Design, engineering. 16.5.1 Earthm Conductor For State (specing maximum 6m) (skidastion earth mart): Design, engineering. 16.5.1 Earthm Conductor For State (specing maximum 6m) (skidastion earth mart): Design, engineering. 16.5.1 Earthm Conductor For State (specing maximum 6m) (skidastion earth mart): Design, engineering. 16.5.1 Earthm Conductor For State (specing maximum 6m) (skidastion earth mart): Design, engineering. 16.5.1 Earthm Conductor For State (specing maximum 6m) (skidastion earthm earthm Conductor For State (specing maximum 6m) (skidastion earthm e	0.00
to be buried at depth of 700 mm from the finished ground level as per the practice and as per specification. 14.5.2 EARTING CONDUCTER: Soft mm GR Plate fix Resident from the busid senter time because including proper weeding, bending and are container painting set from the finished ground level to the top of the structure and equipment shall be with 500% mm GI Flats, as per approved downers and seec/fication. 35.42	0.00
14.5.3 EARTHMIC DEVICE A ASSOCIATED ACCESSORES (60 mm heavy duy of DERFORATED PPE 3 mms long for treated earth pit; perforated 50 mm Heavy duy of pipes for treated earth pits (with details of treatment as per 15) including, excavation, supply of Bentonate provider and other NOS 145 materials for the treated earth pit as per standard condition and as per scondition.	0.00
14.6 G. Cable Trays including G.I. support Angle suitable for different sections i.e. Section:1-1,2-2,3-3 & 4-4 along with its accessories as per TS. 14.6 I Challed Tray (Section 1997) (1997) (1997) (1997) (1997) (1997)	
MIRS 1400	0.00
14.8.3 G.J.Cable Trays(size: 150x75x2500mm) MTRS 1000 14.8.3 G.J.Cable Trays(size: 150x75x2500mm) MTRS 750	0.00
14.6.4 Support G. I angle 50x50x6 mm for cable tray MT 2.5	0.00
14.7 SUB STATION SWITCYARD BMK, AC CONSOLE & OTHER MARSHALLING BOXES 14.7.1 BAY MARSHALLING MOSK NOS 7 144.2 SWITCH YARD AC CONSOLE FOR LIGHTING NOS 2	0.00
14.7.3 SWITCH YARD RECEPTACLE BOARD FOR TER OIL FILTERATION NOS 1	0.00 0.00 0.00
14.7.4 SWITCH YARD RECEPTACLE BOARD FOR WELDING & OTHER EMERGENCY 14.7.5 CT, F & CVT Dut DOOT Grossie Boxes (132 KV CT-4 Nos. + 1 No., 312 KV CVT-1 No. + 1 No., 132 KV NOS 15 WT-1 No., 33 KV/WT-1 No. NOS	0.00
BOLTS & NUTS. BOLTS & NUTS.	
15.1.1 T15 - 132 KVINOMINAL UNIT WT - 12 MT) = 16 Sets NOS 16 15.1.2 T4S - 132KV INOMINAL UNIT WT - 0.02 MT] = 05 Sets NOS 5 15.1.3 T8S - 33KVINOMINAL UNIT WT - 0.83 MT] = 05 Sets NOS 9	
15.1.3 T85 - 33KV/NOMINAL UNIT WT - 0.83 MT) = 0.9 Sets. NOS 9	
DIFFERENT ITFE OF BEARS WITH DETAILS	
152.3 G2 - 132 KVINONINAL UNIT WT - 0.9 MT) = 0.9 Sets NOS 4 152.4 G12 - 132 KVIEATO beams of 01 typo (NOMINAL UNIT WT - 1.25 MT) = Nil NOS 0	
15.2.5 (GE - 33KV) NOMNAL UNIT WT - 0.38 MT) = .03 sets. NOS 3 15.1.2.6 (GE - 33KV) NOMNAL UNIT WT - 0.3 MT) = .9 sets. NOS 9 (Constitution of the constitution of t	
15.27 G4X - 33KV (NOMINAL UNIT WT- 0.52 MT) = 02 Sets. NOS 2	0.00
15.4 SWITCH YARD EQUIPMENT STRUCTURES (LATTICE TYPE) FOR 132/33 KV CLASS INCLUDING FOUNDATION BOLTS A NUTS. 15.41 ISOLATORS-132KV	
15.4.2 S.I. WITHOUT EIS (Unit weight - 658.767 Kg) NOS 9 15.4.3 D.I. WITHOUT EIS (Unit Weight - 979.10 Kg) NOS 2	
15.4.4 D.L.WITH ESR (Julin Weight - 1120.559 Kg) NOS 2	
15.4.0 S.I. WITHOUT EIS (Unit weight - 292-693-6q) NUS 8	
15.4.9 CTS-132 KV (LIN Weight - 214.56 Kg) NOS 15 15.4.10 CTS-322 KV (LIN Weight - 214.56 Kg) NOS 21	
15.4.11 (CVTS-132 KV (Lith Weight - 236 E28 Kg) NOS 6 1 NOS 7 NOS 7 NOS 8 1 NO	
15.4.13 IVTS-33 KV (Unit Weight - 124.336 Kg) NOS 3 15.4.14 Surge Arester - 322 kV (Unit Weight - 179.893 Kg) NOS 12	
15.4.15 Wave Trap-132 kV (Unit Weight - 247 254 kg) NOS 4 15.4.16 BPH 132 kV (Unit Weight - 309 838 Kg) NOS 16 15.4.17 BPS-34 kV (Unit Weight - 348 80 km) NOS 7 15.4.17 BPS-34 80 km (Unit Weight - 348 80 km) NOS 7 15.4.17 BPS-34 80 km (Unit Weight - 348 80 km) NOS 7 15.4.17 BPS-34 80 km (Unit Weight - 348 80 km) NOS 7 15.4.17 BPS-34 80 km (Unit Weight - 348 80 km) NOS 7 15.4.17 BPS-34 80 km (Unit Weight - 348 80 km) NOS 7 15.4.17 BPS-34 80 km (Unit Weight - 348 80 km) NOS 7 15.4.17 BPS-34 80 km (Unit Weight - 348 80 km) NOS 7 15.4.17 BPS-34 80 km (Unit Weight - 348 80 km) NOS 7 15.4.17 BPS-34 80 km (Unit Weight - 348 80 km) NOS 7 15.4.17	
15.4.19 BP-3.3 KV (Unit Weight - 148.80 Kg)	0.00
15.5 Total weight of GI Nuts and boils for the above Column. Beam & structures MT 8	0.00
16.1 POWER CABLES, 1.1KV, XLPE/PVC ARMOURED, ALUMINIUM CONDUCTOR (As per Specification) 16.1.1 XLPE 3.5 CX300 mm² MTRS 500	0.00
16.12 XLPE 3.5 CX185 mm ² MTRS 300	0.00
18.1.3 XLPE 3.5 CX120 mm² MTRS 200 16.1.4 PVC 3.5 CX70 mm² MTRS 600	0.00
76.1.5 PVC 3.5 CX95 mm ² MRS 1500	0.00

16.1.6	PVC 4 CX 16 mm ²	MTRS	1000	0.00
16.1.7	PVC 4 CX 6 mm ²	MTRS	3500	0.00
	PVC 2CX 6 mm ²	MTRS	2000	0.00
16.2.1	CONTROL CABLES.1.1 KV. PVC.STRANDED COPPER(As per specification) 2 CX 2.5 mm2	MTRS	5000	0.00
	4 CX 2.5 mm ² 5 CX 2.5 mm ²	MTRS MTRS	16000 4000	0.00
	7CX 2.5 mm ² 10 CX 2.5 mm ²	MTRS MTRS	9000	0.00
16.2.6	12 CX 2.5 mm ²	MTRS MTRS	9000 5000	0.00
16.2.8	16 CX 2.5 mm ² 19 CX 2.5 mm ²	MTRS	2000	0.00
17	1CX 120 mm² BAT TO BAT CHARGER & CHARGER TO DCDB ACCESSORIES FOR PLCC SYSTEM AS PER TECHNICAL SPECIFICATION	MTRS	600	0.00
17.1	132 kV Line Trap for Pedestal mounting with complete accessories:1200A, 0.5 mH, (90-500kHZ),lsc=31.5kA compatible to IEC 353 specifications	NOS	4	0.00
17.2	LINE MATCHING UNIT HAVING BUILT-IN PROTECTIVE DEVICES LIKE DRAINAGE COIL, SURGE ARRESTOR AND EARTH SWITCH. TUNABLE BAND PASS COUPLING FILTER: 90-500KHZ. HF POWER RATING: 650 W & LINE	SET	2	0.00
17.3	MATCHING DISTRIBUTION UNIT 12.5 mm OD armoured Co-axial Cable; Impedance: 75 ohms, Insulation Resistance: 100 Meg Ohms Dielectric strength: 5	MTRS	1000	0.00
17.4	kV. Signal attenuation: 6 dB/KM (Max) at 500 kHz EPAX standard complied to ITU-T, G-711,G-712,Q507,Q-517 capacity 16lines/Trunks, specification transducers and	NO	1	0.00
	interfacinc cards for Analoc input and Dioital output (Optional) 25PAIR ARMOURED TELEPHONE CABLES 10 PAIR ARMOURED TELEPHONE CABLES	MTRS MTRS	1000 500	0.00
17.6	10 PAIR ARMOURED TELEPHONE CABLES 2 WIRE TELEPHONE SET	MTRS NO	300 300 20	0.00
'17.8	FAX MACHINE 48 V, 350 AH, maintenance free VRLA Battery set.	NO SET	1	0.00
'17.10	754, 48V Float cum Boost Charger: (Float/Boost current as recommended by VRLA Battery vendor) 48 V DCDB	SET SET	1	0.00
18	ERECTION OF STATION TRANSFORMER & OTHER MATERIALS FOR MEETING THE AUXILIARY SUPPLY OF THE SUB-STATION AS PER TECHNICAL SPECIFICATION			
18.1 18.2	STATION TRANSFORMER 33KV/433V,250 KVA (AS PER SPECIFICATION) Erection of D.P structures with 33 KV AB switch in 33 KV side (600AMP),HG fuse,Power Cables and supply & erection of	NOS	2	0.00
	insulators,conductor ,clamps & connectors,jumpering and other accessories required for the erection ,testing & commissioning of the station transformer. Erection of LT out-door Kiosk and required cable termination . The DP structure	SETS	2	0.00
19	shall be painted with two coats of Zinc rich primer & two coats of epoxy based Aluminium paint. SUB STATION LIGHTING (AS PER SPECIFICATION AND APPROVED DRAWINGS)(Switch yard and other street			
19.1	area) Erection of LED LAMPs with fixtures & switch gear alongwith supply & fixing of GI Conduit etc.(Lighting fixtures			
	are to be fixed rigidly on the Column in the SWITCH YARD at a suitable height so that the required lux can be maintained). Required cable connections to be made from nearest A.C source. (*REMARKS : FOR SUPPLY OF ALL	SET	45	0.00
	THE CABLES AS INDICATED ARE COVERED IN THE CABLE ITEMS for SUPPLY CONTRACT) & as per instruction of Engineer in charge	OL.	10	0.00
19.2	Erection of GI tubular Pole and fixing of LED lamp with fixtures at a suitable height, cable connection from distribution board			
	complete in all respect. (TO BE PROVIDED IN THE SWITCH YARD, ALONG THE ROADS (APPROACH INSIDE YARD AND OTHER ROADS).	SET	35	0.00
	(* REMARKS : FOR SUPPLY OF ALL THE CABLES AS INDICATED ARE COVERED IN THE CABLE ITEMS for SUPPLY CONTRACT) & as per instruction of Engineer in Charge.			
19.3	Erection of 1 NO. OUTDOOR KIOSK FOR STREET LIGHTING PURPOSE HAVING 2 NOS 200 AMP SWITCH FUSE UNITS AND 6 NOS. OUT LETS OF 32 AMP MCB FOR STREET LIGHTING. (Erection of Out door Kiosk for street lighting			
	purpose along with laying of (XLPE CABLES(3.5 CORE 120 SQMM) FROM MAIN ACDB FROM CONTROL ROOM TO THE OUT DOOR KIOSK. XLPE CABLE OF 4C X 16 SQMM FROM OUTDOOR KIOSK TO THE STREET LIGHT POLES	NO.	1	0.00
	AND 4CX6 SQMM FROM POLE TO POLE AND 2CX6 SQMM FROM POLE TO LIGHTING FIXTURES.) and connections in all respect according to technical specification and direction of engineer in charge. (Remarks: For supply of all the cable			
19.4	are covered in supply contract & erection of cable covered in the supply contract) Erection of 1 NO. OUTDOOR KIOSK FOR COLONY SUPPLY PURPOSE HAVING 2 NOS 200Amp SWITCH FUSE UNIT.			
	Effection of 1 NO. OUTDOOK RIOSA FOR COLONY SUPPLY PURPOSE HAVING 2 NOS ZOUAMP SWITCH FUSE UNIT. 6 NOS. OUTLETS OF 32 A MCB FOR COLONY QUARTERS (Erection of Out Door Klosk for Colony supply purpose along with laying of (XLPE CABLES(3.5 CORE 120 SQM) FROM MAIN ACDB FROM CONTROL ROOM TO THE OUT DOOR.			
	WITH BIYING IN (ACK TO EACH COUNTY) FOR MINIMARIES FROM CONTINUE ROUNT OF HE OUT DOOR KIOSK. ACK 16 SOMM FROM KIOSK TO EACH QUARTER. PROVISION OF CABLE(2C/I/C-6 SOM) FROM THE OUT DOOR KIOSK INSTALLED NEAR THE QUARTER TO THE RESPECTIVE QUARTERS UP TO THE SWITCH FUSE UNIT			
	PROVIDED INSIDE THE QUARTERS. INDIVIDUAL CABLES FOR INDIVIDUAL QUARTERS. IT ALSO INCLUDES PROPER EARTHING OF THE QUARTER AS PER THE STANDARD PRACTICE AND SPECIFICATION.) and connections	NO.	1	0.00
	in all respect according to technical specification and direction of engineer in charge. (Remarks: For supply of all the cable are covered in supply contract & erection of cable covered in the supply contract)			
20	Erection of 2 TR CAPACITY 5-STAR rated SPLIT AIR CONDITIONING UNITS WITH REMOTE CONTROL FACILITY:			
	INCLUDING SUPPLY OF AIR CONDITIONERS, VOLTAGE STABILISER, CONTROL BOXES ETC FOR COMPLETING THE A.C SCHEME. (AS PER SPECIFICATION) FOR CONTROL ROOM, CARRIER ROOM & CONFERENCE ROOM.	SET	20	0.00
21	Erection of FIRE FIGHTING SYSTEM(PORTABLE AND WHEEL MOUNTED SETS FOR CONTROL ROOM,EQUIPMENT			
224.4	LIKE TRANSFORMER AND OTHER AREAS AS PER TECH SPEC(REFER TS-INST TO BIDDER BEFORE DESIGN-SL NO 16-ANNEXURE - I)	NOC	,	0.00
'21.2	LIKE TRANSFORMER AND OTHER AREAS AS PER TECH SPEC(REFER TS-INST TO BIDDER BEFORE DESIGN-SL NO 16-ANNEUDIE- 1) FOAM TYPE-9LTRS DBY CHEMCAL POWDER(TROLLEY MOUNTED): 22.5 KGS	NOS NOS NOS	4 4 4	0.00 0.00 0.00
'21.2 '21.3 '21.4	LIKE TRANSFORMER AND OTHER AREAS AS PER TECH SPEC(REFER TS-INST TO BIDDER BEFORE DESION-SL NO 16-ANNEXURE-1) FOAM TYPE-9 LTRS DRY CHEMICAL POWDER (TROLLEY MOUNTED): 22.5 KGS DRY POWDER TYPE - 5 KGS CO ₂ - 45 KGS	NOS NOS NOS	4 4 10	0.00 0.00 0.00
'21.2 '21.3 '21.4 '21.5	LIKE TRANSFORMER AND OTHER AREAS AS PER TECH SPEC(REFER TS-INST TO BIDDER BEFORE DESIGN-SL NO 16-ANNEXURE - 1) FOAM TYPE-9 LTRS DRY CHEMICAL POWDER(TROLLEY MOUNTED)- 22.5 KGS DRY POWDER TYPE - 5 KGS CO4.5 KGS CO9.8 KGS	NOS NOS	4 4	0.00 0.00
'21.2 '21.3 '21.4 '21.5 '21.6 '21.7 '21.8	LIKE TRANSFORMER AND OTHER AREAS AS PER TECH SPEC(REFER TS-INST TO BIDDER BEFORE DESIGN-SL NO 16-ANNEUMER-1) FOAM TYPE-9 LTRS DRY POWDER TYPE-9 - KGS CO ₂ + 8 KGS CO ₂ + 8 KGS CO ₂ + 8 KGS CO ₃ + 8 KGS Water thore-9 LTRS Water thore-9 LTRS Water thore-9 LTRS	NOS NOS NOS	4 4 10 10	0.00 0.00 0.00 0.00 0.00 0.00 0.00
'21.2 '21.3 '21.4 '21.5 '21.6 '21.7 '21.8	LIKE TRANSFORMER AND OTHER AREAS AS PER TECH SPEC(REFER TS-INST TO BIDDER BEFORE DESION-SL NO 16-ANNEUMER-1) FOAM TYPE-9 LTRS DRY CHEMICAL POWDER(TROLLEY MOUNTED)- 22.5 KGS DRY POWDER TYPE - 5 KGS CO ₂ - 45 KGS CO ₂ - 45 KGS CO ₂ - 45 KGS CO ₃ - 65 KGS	NOS NOS NOS NOS NOS	4 4 10 10 4 4	0.00 0.00 0.00 0.00 0.00 0.00
'21.2 '21.3 '21.4 '21.5 '21.6 '21.7 '21.8 '21.9 '22.1	LIKE TRANSFORMER AND OTHER AREAS AS PER TECH SPEC(REFER TS-INST TO BIDDER BEFORE DESION-SL NO16-ANNEXURE-1) FOAM TYPE-9-LTRS DRY-PCMUCHE DOUBER(TROLLEY MOUNTED)- 22.5 KGS DRY-PCMUCHE TYPE-15 KGS CO ₂ -9 KGS CO ₂ -9 KGS CO ₂ -9 KGS CO ₃ -9 KGS CO ₄ -15 KGS Water hop-9-LTRS FORM TOUGH TO THE TRANSFORM TO THE TRAN	NOS NOS NOS NOS NOS NOS NOS SET	4 4 10 10 4 4 2 4	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
21.2 21.3 21.4 21.5 21.6 21.7 21.8 21.9 22 22 22.1 22.2 22.2	LIKE TRANSFORMER AND OTHER AREAS AS PER TECH SPEC(REFER TS-INST TO BIDDER BEFORE DESION-SL NO16-ANNEXURE-1) FOAM TYPE-9-LTRS DRY PCMUCRE TYPE - 5 KGS DRY PCMUCRE TYPE - 5 KGS CO ₂ - 45 KGS CO ₂ - 45 KGS CO ₃ - 45 KGS CO ₄ - 45 KGS FOAM TO FER THE	NOS NOS NOS NOS NOS NOS NOS SET	4 4 10 10 4 4	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
21.2 21.3 21.4 21.5 21.6 21.7 21.8 21.9 22 22.1 22.2 22.3 22.3.1 22.3.2	LIKE TRANSFORMER AND OTHER AREAS AS PER TECH SPEC(REFER TS-INST TO BIDDER BEFORE DESION-SL NO 16-ANNEXURE-1) FOAM TYPE-9-LTRS DRY PCMUDER TYPE - 5 KGS CD ₂ + 3 KGS CD ₂ + 3 KGS CD ₂ + 3 KGS CD ₃ + 3 KGS CD ₄ + 3 KGS CD ₅ + 3 KGS CD ₅ + 3 KGS CD ₇	NOS	4 4 10 10 4 4 2 4	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
21.2 21.3 21.4 21.5 21.6 21.7 21.8 21.9 22 22.1 22.2 22.3 22.3.1 22.3.2 22.3.3 22.3.4	LIKE TRANSFORMER AND OTHER AREAS AS PER TECH SPEC(REFER TS-INST TO BIDDER BEFORE DESION-SL NO 16-ANNEXURE-1) FOAM TYPE-9-LTRS DRY PCHWOLE DOWDER(TROLLEY MOUNTED): 22.5 KGS DRY PCWDEE TYPE - 5 KGS CO, 9-4 KGS CO	NOS NOS NOS NOS NOS NOS SET NOS NOS	4 4 10 10 4 4 2 4	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
21.2 21.3 21.4 21.5 21.6 21.7 21.8 21.9 22.1 22.1 22.3 22.3.1 22.3.2 22.3.3 22.3.4 22.3.5 22.3.6	LIKE TRANSFORMER AND OTHER AREAS AS PER TECH SPEC(REFER TS-INST TO BIDDER BEFORE DESION-SL NO 16-ANNEUTRE -1) FOAM TYPE-9-LTRS DRY POWDER TYPE-9-KNS OCY -4 S KOS CO, 9 KOS CO, 9 KOS CO, 9 KOS CO, 17 ROLLY MOUNTED) - 22.5 KGS Water thro-9-LTRS SEED SEED SEED SEED SEED SEED SEED SE	NOS	4 4 10 10 10 10 10 10 10 10 10 10 10 10 10	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
212 213 214 215 218 217 218 219 22 221 222 223 2231 2234 2234 2235 2234 2235 2234 2235 2236 2237 224	LIKE TRANSFORMER AND OTHER AREAS AS PER TECH SPEC(REFER TS-INST TO BIDDER BEFORE DESION-SL NO 16-ANNEXURE - 1) FOAM TYPE-0-LTRS DRY PCPWIDER TYPE-1-S ROS CO-1-4 S KOS CO-1-4	NOS	4 4 10 10 110 14 4 4 2 2 4 4 1 1 0 0 2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
212 213 214 215 216 217 216 217 218 22 22 22 22 22 22 22 23 22 23 22 23 23	LIKE TRANSFORMER AND OTHER AREAS AS PER TECH SPEC(REFER TS-INST TO BIDDER BEFORE DESIGN-SL NO 16-ANNEXURE - 1) FOAM TYPE-0 LTRS DAY PCPWIDER TYPE-1 SKGS CD, 4 SKGS C	NOS	4 4 10 10 10 10 10 10 10 10 10 10 10 10 10	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
212 213 214 215 216 217 216 217 218 22 22 22 22 22 22 22 22 22 22 22 22 22	LIKE TRANSFORMER AND OTHER AREAS AS PER TECH SPEC(REFER TS-INST TO BIDDER BEFORE DESIGN-SL NO 16-ANNEXURE - 1) FOAM TYPE-0 LTRS DAY POWDER TYPE-1 SKGS DAY POWDER TYPE-1 SKGS CO, 4 SKGS CO, 16 SKGS CO, 16 SKGS CO, 16 SKGS PROPE OF THE SKGS Water type-9 LTRS PROPE DISTRIBUTION OF THE SKGS Water type-9 LTRS PROPE DISTRIBUTION OF THE SKGS PROPE THE SKGS WATER THE SKGS THE SKGS THE SKGS THE SKGS THE SKGS WATER THE SKGS	NOS	4 4 10 10 110 14 4 4 2 2 4 4 1 1 0 0 2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
212 213 214 214 215 216 217 218 219 221 22 22 22 22 22 22 22 22 23 2231 2234 2235 2234 2234 224 2242 2242 2243 2242 2243 2242 2243 2242 2243 2242 2243 2243 2244 22442 22442 2243 2234	LIKE TRANSFORMER AND OTHER AREAS AS PER TECH SPEC(REFER TS-INST TO BIDDER BEFORE DESIGN-SL NO 16-ANNEXURE - 1) FOAM TYPE-0 LTRS DRY CHEMCAL FOWDER(TROLLEY MOUNTED)- 22.5 KGS DRY CHEMCAL FOWDER TYPE - 5 KGS CO, 4 KGS CO, 16 KGS THE STANDARD STANDAR	NOS	4 4 10 10 110 14 4 4 2 2 4 4 1 1 0 0 2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
212 213 214 214 215 216 217 218 219 229 221 223 2231 2231 2232 2232 223	LIKE TRANSFORMER AND OTHER AREAS AS PER TECH SPEC(REFER TS-INST TO BIDDER BEFORE DESIGN-SL NO 16-ANNEXURE - 1) FOAM TYPE-9 LTRS. DRY POWDER TYPE - 9 KGS CO ₂ + 9 KGS CO ₃ + 9 KGS CO ₄ + 9 KGS CO ₅ + 9 KGS CO ₅ + 9 KGS CO ₇ + 9 KGS CO ₇ + 9 KGS CO ₈ + 9 KGS CO ₉ + 9 KGS CO	NOS	4 4 4 10 10 110 14 4 4 4 4 4 4 4 4 4 4 4	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
712 713 714 715 716 717 717 718 718 719 719 719 719 721 721 721 721 721 721 721 721 721 721	LIKE TRANSFORMER AND OTHER AREAS AS PER TECH SPEC(REFER TS-INST TO BIDDER BEFORE DESIGN-SL NO 16-ANNEURE -1) FOAM TYPE-9-LTRS DRY POWDER TYPE-9-LTRS DRY POWDER TYPE-9-KS CO, 9 KGS CO, 9 KGS CO, 4 KGS CO, 4 KGS CO, 4 KGS CO, 1 ROLLY MOUNTED) - 22.5 KGS Water thro-9-LTRS SECRET SECR	NOS	4 4 4 10 10 110 14 4 4 4 1 1 1 1 1 1 1 1	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
212 213 214 215 216 216 217 218 219 22 22 22 22 22 22 22 22 22 22 22 22 22	LIKE TRANSFORMER AND OTHER AREAS AS PER TECH SPEC(REFER TS-INST TO BIDDER BEFORE DESIGN-SL NO 16-ANNEUMER 1) FOAM TYPE-9-LITRS DAY Y-PDW_LITRS	NOS	4 4 10 10 10 4 4 2 4 4 1 1 0 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 1 2 1	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
212 213 214 215 216 216 216 217 218 221 221 221 222 2233 2234 2235 2236 2237 224 2241 2211 2311 2311 2311 2311 2311	LIKE TRANSFORMER AND OTHER AREAS AS PER TECH SPEC(REFER TS-INST TO BIDDER BEFORE DESIGN-SL NO 16-ANNEUMER - 1) FOAM TYPE-0 LTRS DRY CHEMCAL BOWDER(TROLLEY MOUNTED)- 22.5 KGS DRY CHEMCAL BOWDER(TROLLEY MOUNTED)- 22.5 KGS CO, 9 KGS CO, 9 KGS CO, 9 KGS CO, 9 KGS CO, 16 KGS FOAT STATE	NOS	4 4 4 10 10 110 14 4 4 2 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
212 213 214 215 216 218 218 218 218 221 222 2231 2231 2231	LIKE TRANSFORMER AND OTHER AREAS AS PER TECH SPEC(REFER TS-INST TO BIDDER BEFORE DESIGN-SL NO 16-ANNEXURE - 1) FOAM TYPE-0 LTRS DRY O-PWOMER TYPE - 1 KRS DRY O-PWOMER TYPE - 1 KRS CO, 9 KRS CO, 10 KRS C	NOS	4 4 4 10 10 110 110 14 4 4 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
212 213 214 215 216 216 217 218 217 218 221 221 222 2231 2231 2231 2231 223	LIKE TRANSFORMER AND OTHER AREAS AS PER TECH SPEC(REFER TS-INST TO BIDDER BEFORE DESIGN-SL NO 16-ANNEURE 1) FOAM TYPE-9-LITRS DORY CHEMICAL POWDER(TROLLEY MOUNTED)- 22.5 KGS DRY CHEMICAL POWDER(TROLLEY MOUNTED)- 22.5 KGS DRY CHEMICAL POWDER(TROLLEY MOUNTED)- 22.5 KGS DRY CHEMICAL POWDER(TROLLEY MOUNTED)- 22.5 KGS CO., 9 KGS CO., 10	NOS	4 4 10 10 10 4 4 2 4 4 1 10 0 0 2 2 1 1 2 2 1 1 1 1 1 1 1 1 1	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
212 213 214 215 216 216 216 217 218 221 221 222 223 2231 2231 2231 2231	LIKE TRANSFORMER AND OTHER AREAS AS PER TECH SPEC(REFER TS-INST TO BIDDER BEFORE DESIGN-SL NO 16-ANNEURE -1) FOAM TYPE-9 LTRS DOY Y-CHEMCAL D-OVDER(TROLLEY MOUNTED)- 22.5 KGS DRY P-CHEMCAL D-OVDER(TROLLEY MOUNTED)- 22.5 KGS DRY P-CHEMCAL D-OVDER(TROLLEY MOUNTED)- 22.5 KGS CO., 9 KGS CO., 16 KGS CO., 16 KGS CO., 16 KGS CO., 17 KDLLY MOUNTED)- 22.5 KGS Waller thro-9 LTRS FERST BORD SOLTR FROM THE SOLTR CONTROL METERING, EVENT LOGGER, BUS BAR PROTN PAN, COMM PAN, RELAY TOOL KITS AS PER TECH SECO. TIME SYNCH EQUIPMENT EVENT LOGGER PANEL 132 KY SIDE GIMPLEX TYPE PANEL) FEEDER CONTROL PANEL TRANSFORMER CONTROL PANEL TRANSFORMER CONTROL PANEL TRANSFORMER CONTROL PANEL TRANSFORMER RELAY PANEL (FOR 132 KY SIDE OF 132/33 KY POWER TRANSFORMER) BUSCOUPLE TO CONTROL PANEL COMMON PANEL (KP-1) TRANSFORMER RELAY PANEL (FOR 132 KY SIDE OF 132/33 KY POWER TRANSFORMER) BUSCOUPLER CONTROL & RELAY PANEL COMMON PANEL (KP-1) BUSCOUPLER CONTROL & RELAY PANEL BUSCOUPLER CONTROL OR BUSCOUPLER CONTROL OR BUSCOUPLER CONTROL OR BUSCOUPLER CONTROL	NOS	4 4 4 10 10 110 110 14 4 4 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
212 213 214 215 216 216 218 217 218 221 221 221 222 2233 2234 2235 2231 2231 2311 2311 2311 2311 2311	LIKE TRANSFORMER AND OTHER AREAS AS PER TECH SPEC(REFER TS-INST TO BIDDER BEFORE DESIGN-SL NO 16-ANNEURE - 1) FOAM TYPE-0 LTRS DAY PCPWIDER TYPE-0 LTRS DAY PCPWIDER TYPE-0 LTRS DAY PCPWIDER TYPE-0 S ASS CO, 9 KGS CO, 16 KGS CO, 16 KGS CO, 16 KGS CO, 17 KDLLY MOUNTED)- 22.5 KGS Water type-0 LTRS DESIGNED S LTR FER BUCKET (6 NOS IN EACH STAND) WITH STAND FROM DAY-0 S LTR FER BUCKET (6 NOS IN EACH STAND) WITH STAND FROM DAY-0 S LTR FER BUCKET (6 NOS IN EACH STAND) WITH STAND FROM DAY-0 S LTR FER BUCKET (6 NOS IN EACH STAND) WITH STAND FROM DAY-0 S LTR FER BUCKET (6 NOS IN EACH STAND) WITH STAND FROM DAY-0 S LTR FER BUCKET (6 NOS IN EACH STAND) WITH STAND FROM DAY-0 S LTR FER BUCKET (6 NOS IN EACH STAND) WITH STAND FROM DAY-0 S LTR FER BUCKET (6 NOS IN EACH STAND) WITH STAND FROM DAY-0 S LTR FER BUCKET (6 NOS IN EACH STAND) WITH STAND FROM DAY-0 S LTR FER BUCKET (6 NOS IN EACH STAND) WITH STAND FROM DAY-0 S LTR FER BUCKET (7 NOS IN EACH STAND WITH STAND FROM DAY-0 S LTR FER BUCKET (7 NOS IN EACH STAND WITH STAND PANCED WIT	NOS	4 4 4 10 10 110 110 110 110 110 110 110	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
212 213 214 215 216 216 217 218 219 22 22 22 22 22 22 23 22 23 22 23 23 23	LIKE TRANSFORMER AND OTHER AREAS AS PER TECH SPEC(REFER TS-INST TO BIDDER BEFORE DESIGN-SL NO 16-ANNEXURE - 1) FOAM TYPE-0 LTRS DAY PCHEMCAL POWDER(TROLLEY MOUNTED): 22.5 KGS DAY PCMUCER TYPE - 3 KGS CO, 9 KGS CO, 16 KGS CO, 16 KGS CO, 17 KDLLY MOUNTED): 22.5 KGS Water type - 9 LTRS PER BUCKET (6 NOS N EACH STAND) WITH STAND FROM EDITOR OF THE STAND WATER STAND WATER STAND TO THE STAND THE STA	NOS	4 4 4 10 10 110 110 110 110 111 111 111	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
212 213 214 215 216 221 222 222 223 1 233 1 233	LIKE TRANSFORMER AND OTHER AREAS AS PER TECH SPEC(REFER TS-INST TO BIDDER BEFORE DESIGN-SL NO 16-ANNEXURE - 1) FOAM TYPE-0 LTRS DAY PCHEMCAL FOODER(TROLLEY MOUNTED): 22.5 KGS DAY PCMUCRE TYPE - 3 KGS CO, 9 KGS CO, 16 KGS CO,	NOS	4 4 4 10 10 10 4 4 4 4 2 4 1 1 0 10 10 10 10 10 10 10 10 10 10 10	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
212 213 214 215 216 217 218 219 22 221 222 222 223 2231 2234 2236 2236 2236 2236 2236 2237 2236 2237 2237	LIKE TRANSFORMER AND OTHER AREAS AS PER TECH SPEC(REFER TS-INST TO BIDDER BEFORE DESIGN-SL NO 16-ANNEXURE - 1) FOAM TYPE-0-LTRS DAY PCHEMCAL FOWDER(TROLLEY MOUNTED): 22.5 KGS DRY PCHEMCAL FOWDER(TROLLEY MOUNTED): 22.5 KGS DRY PCHWOER TYPE - 15 KGS CO., 48 KG	NOS	4 4 4 10 10 110 110 110 110 110 110 110	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
212 213 214 215 216 216 217 218 217 218 218 221 222 2231 2231 2232 2231 2231	LIKE TRANSFORMER AND OTHER AREAS AS PER TECH SPECIREFER TS-INST TO BIDDER BEFORE DESIGN-SL NO 16-ANNEXURE: 1) FOAM TYPE-9 LTRS DORY CHEMICAL DOVDER(TROLLEY MOUNTED): 22.5 KGS DRY CHEMICAL DOVDER(TROLLEY MOUNTED): 22.5 KGS DRY CHEMICAL DOVDER(TROLLEY MOUNTED): 22.5 KGS DRY CHEMICAL DOVDER(TROLLEY MOUNTED): 22.5 KGS CO, 9 KGS CO, 9 KGS CO, 9 KGS CO, 9 KGS CO, 16 KGS CO, 16 KGS CO, 16 KGS CO, 17 KDLLY MOUNTED): 22.5 KGS Waller thro-9 LTRS SEED TO 18 CONTROL METERING, EVENT LOGGER, BUS BAR PROTN PAN, COMM PAN, RELAY TOOL KITS AS PER TECH SPEC TIME SYNCH EOUIPMENT EVENT LOGGER PANEL 132 KY SIDE GIMPLEX TYPE PANEL) FEEDER CONTROL PANEL TRANSFORMER RELAY PANEL COMMON PANEL (KP-1) 32 KY SIDE FEEDER CONTROL & RELAY PANEL COMMON PANEL (KP-1) 33 KY SIDE FEEDER CONTROL & RELAY PANEL COMMON PANEL (KP-1) AG SYSTEM AG SYSTEM AG SYSTEM AG SYSTEM AND AG SHAND PANEL HAVE BEEN PANEL SHANDOWN PANEL (KP-1) AND STREED THRO STRENGTH OR BOARD AS PER SPECIFICATION, (WITH DB-1, DB-2 & BC) EMBERGEN PGLATION, BAND BOARD (HAVING BOARD PANEL) EMBERGENCY LIGHT MOST PROBLED FOR SPECIFICATION, (WITH DB-1, DB-2 & BC) EMBERGENCY LIGHT MOST PROBLED FOR SPECIFICATION, (WITH DB-1, DB-2 & BC) EMBERGENCY LIGHT MOST PANEL FOR SPECIFICATION, (WITH DB-1, DB-2 & BC) EMBERGENCY LIGHT MOST PANEL FOR SPECIFICATION, (WITH DB-1, DB-2 & BC) EMBERGENCY LIGHT MOST PANEL FOR SPECIFICATION, (WITH DB-1, DB-2 & BC) EMBERGENCY LIGHT MOST PANEL FOR SPECIFICATION, (WITH DB-1, DB-2 & BC) EMBERGENCY LIGHT MOST PANEL FOR SPECIFICATION, (WITH DB-1, DB-3 & BC) EMBERGENCY LIGHT MOST PANEL FOR SPECIFICATION, (WITH DB-1, DB-3 & BC) EMBERGENCY LIGHT MOST PANEL FOR SPECIFICATION, (WITH DB-1, DB-3 & BC) EMBERGENCY LIGHT MOST PANEL FOR SPECIFICATION, (WITH DB-1, DB-3 & BC) EMBERGENCY LIGHT MOST PANEL PANEL SOURCE WITH WATCH PANEL FURPE FOR SPECIFICATION, (WITH DB-1, DB-3 & BC) EMBERGENCY LIGHT MOST PANEL PANEL SOURCE WITH W	NOS	4 4 4 10 10 10 4 4 4 4 2 4 1 1 0 10 10 10 10 10 10 10 10 10 10 10	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
212 213 214 215 216 217 218 219 22 22 22 22 22 23 22 23 22 23 22 23 23	LIKE TRANSFORMER AND OTHER AREAS AS PER TECH SPEC(REFER TS-INST TO BIDDER BEFORE DESIGN-SL NO 16-ANNEXURE -1) FOAM TYPE-0-LTRS DAY POPWORE THE -1 FOAM TYPE-0-LTRS DAY POPWORE THE -5 KGS CO, 9 KGS CO, 16 KGS CO, 16 KGS CO, 16 KGS CO, 17 KDLLY MOUNTED)- 22.5 KGS Water type-0-LTRS DESIGN CONTROL SEAL STAND WITH STAND FREE BUCKET (8 NOS N EACH STAND) WITH STAND FREE BUCKET (8 NOS N EACH STAND) WITH STAND FREE BUCKET (8 NOS N EACH STAND) WITH STAND FREE BUCKET (8 NOS N EACH STAND) WITH STAND FREE BUCKET (8 NOS N EACH STAND) WITH STAND FREE BUCKET (8 NOS N EACH STAND) WITH STAND FREE BUCKET (8 NOS N EACH STAND) WITH STAND FREE TECH SPEC. TIME SYNCH EQUIPMENT FEEDER CONTROL PANEL TRANSFORMER RELAY PANEL (FOR 132 KV SIDE OF 132/33 KV POWER TRANSFORMER) BUSCOUPLER CONTROL & RELAY PANEL COMMON PANEL (RP-1) 33 KV SIDE FEEDER CONTROL & RELAY PANEL COMMON PANEL (RP-1) 31 KV SIDE FEEDER CONTROL & RELAY PANEL BUSCOUPLER STAND BUSCOUPLER CONTROL & RELAY PANEL BUSCOUPLER TO SOME BUSC	NOS	4 4 4 10 10 10 4 4 4 4 2 4 4 1 0 10 10 10 10 10 10 10 10 10 10 10 10	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
212 213 214 215 216 216 217 218 219 22 223 2231 2232 2233 2231 2234 224 224 224 224 224 224 224 224 22	LIKE TRANSFORMER AND OTHER AREAS AS PER TECH SPEC(REFER TS-INST TO BIDDER BEFORE DESIGN-SL NO1-6-ANNEXURE -) FOAM TYPE-0-LTRS DAY POWDER TYPE-0-LTRS DAY POWDER TYPE-0-KGS CO-1-8 KGS CO-1-	NOS	4 4 4 10 10 10 4 4 4 4 4 7 7 7 7 7 7 7 7 7 7 7 7 7 7	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
212 213 214 215 216 216 217 218 219 22 22 22 22 22 23 22 23 23 23 23 23 23	LIKE TRANSFORMER AND OTHER AREAS AS PER TECH SPECIREFER TS-INST TO BIDDER BEFORE DESIGN-SL NO 16-ANNEXURE - 1) FOAM TYPE-0-LTRS DRY POWDER TYPE-0-LTRS DRY POWDER TYPE-0-LTRS DRY POWDER TYPE-0-LTRS DRY POWDER TYPE-0-LTRS CO-, 16 KGS CO-, 4 KGS CO-, 16 CCC, 17 COLLY MOUNTED)- 22.5 KGS Waller thro- 9-LTRS CO-, 17 COLLY MOUNTED)- 22.5 KGS Waller thro- 9-LTRS COCK TRO- 18 KGS CO-, 4 KGS	NOS	4 4 4 10 10 10 4 4 4 4 2 4 4 1 0 10 10 10 10 10 10 10 10 10 10 10 10	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
212 213 214 215 216 217 218 217 218 221 221 221 221 221 221 221 221 221	LIKE TRANSFORMER AND OTHER AREAS AS PER TECH SPECIREFER TS-INST TO BIDDER BEFORE DESIGN-SL NO 16-ANNEXURE: 1) FOAM TYPE-0-LTRS DRY POWDER THE SEAS DRY POWDER THE SEAS CO, 9 KGS CO, 16 KGS CO, 16 KGS CO, 17 KGLLY MOUNTED): 22.5 KGS Waller the 9-LTRS DRY POWDER THE SEAS CO, 9 KGS CO, 9 KGS CO, 17 KGLLY MOUNTED): 22.5 KGS Waller the 9-LTRS DRY POWDER THE SEAS CO, 9 KGS CO, 17 KGLLY MOUNTED): 22.5 KGS Waller the 9-LTRS DRY POWDER THE SEAS CO, 18 KGS CO, 18	NOS	4 4 10 10 10 4 4 4 2 4 4 1 10 0 10 10 10 10 10 10 10 10 10 10 10	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
212 213 214 215 216 216 217 218 219 22 22 22 22 22 23 22 23 23 23 23 23 23	LIKE TRANSFORMER AND OTHER AREAS AS PER TECH SPEC(REFER TS-INST TO BIDDER BEFORE DESIGN-SL NO 16-ANNEXURE - 1) FOAM TYPE-0-LTRS DAY POWDER TYPE-0-LTRS CO, 9 KGS CO, 16 KGS CO, 16 KGS CO, 17 KDLLY MOUNTED)- 22.5 KGS Water type-0-LTRS FEED SEAR SOLER FREE BUSINESS OLER FREE TECH SEEP FREE BUSINESS OLER FREE BUSINE	NOS	4 4 4 10 10 10 4 4 4 4 2 4 4 1 0 10 10 10 10 10 10 10 10 10 10 10 10	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
212 213 214 215 216 217 218 217 218 221 221 221 221 221 221 221 221 221	LIKE TRANSFORMER AND OTHER AREAS AS PER TECH SPEC(REFER TS-INST TO BIDDER BEFORE DESIGN-SL NO 16-ANNEXURE - 1) FOAM TYPE-0-LTRS DAY PCPWORE TYPE-0-LTRS DAY PCPWORE TYPE-0-KRS CO, 9 KGS CO, 16	NOS	4 4 10 10 10 4 4 4 2 4 4 1 10 0 10 10 10 10 10 10 10 10 10 10 10	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
212 213 214 215 216 216 217 218 219 22 223 2231 2231 2231 2231 2231 223	LIKE TRANSFORMER AND OTHER AREAS AS PER TECH SPEC(REFER TS-INST TO BIDDER BEFORE DESIGN-SL NO 16-ANNEXURE -1) FOAM TYPE-0 LTRS DAY PCPWIDER TYPE-0 LTRS DAY PCPWIDER TYPE-0 LTRS DAY PCPWIDER TYPE-1 SKGS CO, 9 KGS CO, 16 KGS CO, 16 KGS CO, 16 KGS CO, 17 KDLLY MOUNTED)- 22.5 KGS Water type-9 LTRS PREBUCKET (6 NOS IN EACH STAND) WITH STAND PROTECTION, CONTROL METERING, EVENT LOGGER, BUS BAR PROTN PAN, COMM PAN, RELAY TOOL KITS AS TIME SYNCH EQUIPMENT EVENT LOGGER PANEL 132 KY SIDE (SIMPLEX TYPE PANEL) FEEDER CONTROL PANEL TRANSFORMER CONTROL PANEL TRANSFORMER CONTROL PANEL FEEDER RELAY PANEL SUSCOUPLE GONTROL PANEL FEEDER RELAY PANEL COMMON PANEL (FCP-1) SIX KY SIDE FEEDER CONTROL PANEL FEEDER RELAY PANEL COMMON PANEL (FCP-1) SIX KY SIDE FEEDER CONTROL A RELAY PANEL COMMON PANEL (FCP-1) SIX KY SIDE FEEDER CONTROL RELAY PANEL COMMON PANEL (FCP-1) SIX KY SIDE FEEDER CONTROL RELAY PANEL COMMON PANEL (FCP-1) SIX KY SIDE FEEDER CONTROL RELAY PANEL SIX KY SIDE FEEDER CONTROL & RELAY PANEL COMMON PANEL (FCP-1) SIX KY SIDE FEEDER CONTROL & RELAY PANEL SIX KY SIDE SIX KY SIDE FEEDER CONTROL & RELAY PANEL COMMON PANEL (FCP-1) SIX KY SIDE FEEDER CONTROL & RELAY PANEL COMMON PANEL (FCP-1) SIX KY SIDE FEEDER CONTROL & RELAY PANEL SIX KY SIDE FEEDER CONTROL & RELAY PANEL COMMON PANEL (FCP-1) SIX KY SIDE FEEDER CONTROL & RELAY PANEL SIX KY SIDE SIX KY SIDE FEEDER CONTROL & RELAY PANEL SIX KY SIDE FEEDER CONTROL & RELAY PANEL SIX KY SIDE FEEDER CONTROL & RELAY PANEL SIX KY SIDE SIX KY SIDE FEEDER CONTROL & RELAY PANEL SIX KY SIDE FEEDER CONTROL & RELAY PANEL SIX KY SIDE FEEDER CONTROL & RELAY PANEL SIX KY SIDE SIX KY SIDE FEEDER CONTROL & RELAY PANEL SIX KY SIDE SIX KY SIDE FEEDER CONTROL & RELAY PANEL SIX KY SIDE SIX KY SID	NOS	4 4 10 10 10 4 4 4 2 4 4 1 10 0 10 10 10 10 10 10 10 10 10 10 10	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0

	SCHROADR AND SINGLE LINE CHACRAM. Design, regimening, procurement of labour, material including all associated works for construction and fixing of (a) glow signboard with dimension 1.1 mult. Em with illumination and fixing with MS frames having RCC (1:1.5:3) foundations infront of substation. (b) The single line diagram zets 1.0 mult. diven with illumination arrangement and to be wall hanged type to be fixed enside the control room building. TOTAL of ELECTRICAL WORKS Part+ (A) _SUBSTATION	LOT	1	0.00
1	Foundations: Design, engineering, supply of all labour, material (Cement-OPC-43 Grade,MS Rod, coarse and fine aggregates(Sand and Metal Chips) etc). To construction of RCC (1:1.8:3) & PCC (1:3.6), RCC footings of any depth, pedestal and plining as per requirement including soil investigation, excavation, concerning, shuttering, grouting, underpinning and back filling of foundations etc complete for the following switch yard garnty portal structures and equipment support 6 others as per the technical specification and approved drawings/RCC RATIO 1:15.3). This also includes execution in all types of soil or rocks, back filling and disposal of excess earth as per the direction of Switch yard garntyportal structure foundations.			0.00
1.1	T1S - 132 KV(NOMINAL UNIT WT- 1.2 MT)	NOS	16	
1.1.2	T4S - 132KV (NOMINAL UNIT WT- 0.95 MT) T8S - 33KV (NOMINAL UNIT WT- 0.8 MT)	NOS NOS	5 9	
1.1.4	T9S - 33KV/NOMINAL UNIT WT- 0.6 MT) Equipment foundations:	NOS	11	
1.2.1	145 KV, 800-400-200 A, 31.5 KA, 4CORE SINGLE PHASE CURRENT TRANSFORMER 145 KV,1200A, 31.5 KA, ISOLATORS	NOS	15	
1.3	S/I WITH OUT EARTH SWITCH	NOS	9	
1.3.2	DA WITH SINGLE EARTH SWITCH DA WITHOUT EARTH SWITCH	NOS NOS	2 2	
1.4	145 KV, 6600pF, 3CORE, SINGLE PHASE CAPACITOR VOLTAGE TRANSFORMER 120 KV METAL OXIDE SURGE ARRESTOR, 10 KA, Class III	NOS NOS	6 12	
1.6	145 KV ,2 CORE,SINGLE PHASE,IVT	NOS	3	
1.7	132 KV Bus Post Insulators 145KV, 3150A, 40KA, SF6, CIRCUIT BREAKER WITH SUPPORTING STRUCTURE	NOS NOS	16	
1.9	36 KV, 800-400-200, 26KA, 3CORE SINGLE PHASE CURRENT TRANSFORMER 36 KV, 800-400-200, 26KA, 4 CORE SINGLE PHASE CURRENT TRANSFORMER (3 NOS PS CLASS & 1 NO. 0.2s CLASS)	NOS NOS	15 6	
1.10	36 KV CLASS NOT FOR POWER TRANSFORMER REPROTECTION (RATIO 800-400-200 A) & HAVING TWO CORE (PS CLASS) (IN EACH POWER TRANSFORMER 132 KV SIDE: 1 NO. 8 33 KV SIDE: 1 NO.	NOS	4	
1.11	36 KV,800A,25KA,ISOLATORS			
1.11.1	SA WITH OUT EARTH SWITCH DA WITH SINGLE EARTH SWITCH	NOS NOS	8 4	
1.11.3	DI WITHOUT EARTH SWITCH SA WITH BEAM MOUNTED	NOS NOS	2	
1.13	30 KV, METAL OXIDE SURGE ARRESTOR, 10KA, class II	NOS	24	
1.14	36 KV ,2 CORE,SINGLE PHASE,IVT 36KV,1250A,25KA,VACUUM CIRCUIT BREAKER WITH SUPPORTING STRUCTURE	NOS NOS	7	
1.16	33 KV Bus Post Insulators SUB STATION SWITCYARD BMK, AC CONSOLE & OTHER MARSHALLING BOXES	NOS	7	
1.16.1	BAY MARSHALLING KIOSK (03 Nos 132 kv bay & 03 Nos 33 KV bay) SWITCH YARD AC CONSOLE FOR LIGHTING	NOS	7	
1.16.2 1.16.3	SWITCH YARD RECEPTACLE BOARD FOR TFR OIL FILTERATION	NOS NOS	1	
1.16.4 1.16.5	SWITCH YARD RECEPTACLE BOARD FOR WELDING & OTHER EMERGENCY CT, PT & CVT Out Door Console Boxes (132 KV CT-4 Nos. + 1 No., 33 KV IVT-1 CT, PT & CVT Out Door Console Boxes (132 KV CT-4 Nos. + 1 No., 33 KV IVT-1	NOS NOS	2 15	
1.17	No. EXCAVATION.:This also includes excavation in all types of soil or rocks, backfilling, and disposal of excess earth as per the direction of	NUS	10	
1.17.1	Enginer In charge. Normal Soil(SOFT/LOOSE)	Cum	3100	0.00
1.17.2	Hard Soil Soft Rock	Cum Cum	2800 250	0.00
1.17.4	Hard Rock(Requiring Blasting/Using breaker machinery) Descript Engineering Providing and Javing of Plain company concepts (PCC 1-2-6) of grade M10 with approved quality coarse appropriate (Nominal Publish).	Cum	550	0.00
	size 12mm to 20mm), fine aggregates, cement in for the above column/equipment/marshalling box foundations (\$1 No. 1.1 & 1.2) column and equipment foundation as blind silyer inclusive of about netarges for concrete mining & curing. This includes supply of all labourers, T&P and dewaltering wherever required as per Technical specification and instruction of Engineer in charge.	Cum	255	0.00
1.17.6	Open cast foundation for the above columnive/papementmenthaling box foundations (§ IN n. 1.1.8. 1.2) with RCC: 11.5.3 (Grade McQ) modified apply of Laboral and manifestals as per design in the foundation of a ser required for the short foundations, MCR (FIN 1.5.1.2) (Grade McQ) modified possible of the foundation of the series of the collection of the series of the foundation of the collection of the foundation of the foun	Cum	1450	0.00
	and approved awarings and a per direction of the Engineer in Charge. 1) This shie insulates execution at all prot of the orack-back Ellings and disposed of cuess earth a per the direction of Engineer in charge. 2) Design, Providing and Julyan of the cuest consense (PCC 1) as of grad All 90 of the prevent quity came aggregate, Polissonian due Thim to 200000, feet the providing of the Charge			
	Section 1-1	Mtrs	300	0.00
2.2 2.3	Section 2-2 Section 3-3	Mtrs Mtrs	200 300	0.00
2.2	Section 2-2	Mirs Mirs Mirs	200 300 500	0.00 0.00 0.00
2.2 2.3 2.4	Section 2-2 Section 3-3 Section 4-1 Rain water harvesting system as per Technical specification and approval of drawing and as per the direction of the Engineer in charge.	Mtrs Mtrs	200 300	0.00
2.2 2.3 2.4	Section 2-2 Section 3-3 Section 4-4 Rain water harvesting system as per Technical specification and approval of drawing and as per the direction of the Engineer in	Mirs Mirs Mirs	200 300 500	0.00 0.00 0.00
2.2 2.3 2.4 3 4	Section 2-2 Section 3-3 Section 4-4 Rain water harvesting system as per Technical specification and approval of drawing and as per the direction of the Engineer in change. Cables trench crossing Design engineering construction including supply of labour materials, cement, reinforcement steat formwork etc. and all associated works for construction of french crossing as per technical specification and approved drawing (Road crossing). Section 1-1	Mers Mers Mers Nos	200 300 500 1	0.00 0.00 0.00 0.00
2.2 2.3 2.4 3 4 4.1 4.2 4.3	Section 2-2 Section 3-3 Section 4-1 Rain water harvesting system as per Technical specification and approval of drawing and as per the direction of the Engineer in change. Cable trench crossing: Design, engineering, construction including supply of labour, materials, cement, reinforcement steel formwork, etc. and all associated works for construction of french crossing as per technical specification and approved drawing. (Road crossing.) Section 1-1 Section 2-2 Section 3-3	Mirs Mirs Mirs Nos	200 300 500 1	0.00 0.00 0.00 0.00
2.2 2.3 2.4 3 4 4.1 4.2	Section 2-2 Section 3-3 Section 4-4 Rain water harvesting system as per Technical specification and approval of drawing and as per the direction of the Engineer in charge. Cable trench crossing: Design, engineering, construction including supply of liabour, materials, cement, reinforcement steet formwork etc., and all associated works for construction of trench crossing as per technical specification and approved drawing, (Road crossing) Section 1-1 Section 2-2 Section 3-2 Section 3-3 Section	Mirra Mirra Mirra Nics Nics Nos Nos Nos	200 300 500 1	0.00 0.00 0.00 0.00 0.00 0.00 0.00
2.2 2.3 2.4 3 4 4.1 4.2 4.3	Section 2-2 Section 3-3 Section 4-4 Section 4-5 Section 4-5 Section 4-5 Section 4-6 Section 4-7 Sectio	Mitra Mitra Mitra Nos Nos	200 300 500 1	0.00 0.00 0.00 0.00
22 23 24 3 4 4.1 4.2 4.3 5	Section 2-2 Section 3-3 Section 4-4 Rain water harvesting system as per Technical specification and approval of drawing and as per the direction of the Engineer in Rain water harvesting system as per Technical specification and approval of drawing and as per the direction of the Engineer in Cabbic research provided water for the Engineer in Cabbic research provided water for construction of trends crossing as per technical specification and approved drawing (Road crossing) Section 1-7 Section 3-7 Section	Mirra Mirra Mirra Nics Nics Nos Nos Nos	200 300 500 1 1 1 1 2 2 1057	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
22 23 24 3 4 41 42 43 5	Section 2-2 Section 4-3 Section 4-3 Section 4-3 Section 4-3 Section 4-1 Sectio	Mes	200 300 600 1 1 1 2 1057	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
22 23 24 3 4 4.1 4.2 4.3 5	Section 2-2 Section 3-3 Section 4-4 Rain water harvesting system as per Technical specification and approval of drawing and as per the direction of the Engineer in Rain water harvesting system as per Technical specification and approval of drawing and as per the direction of the Engineer in Cabbic research provided water for the Engineer in Cabbic research provided water for construction of trends crossing as per technical specification and approved drawing (Road crossing) Section 1-7 Section 3-7 Section	Mars Mars Mars Mars Nos Nos Nos Nos Som Som Som Som Som Som Som Som Som So	200 300 500 1 1 1 1 2 2 1057	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
2.2 2.3 2.4 3 4 4.1 4.2 4.3 5 6 6	Section 2-2 Section 4-3 Section 4-3 Section 4-3 Section 4-1 Section 3-3 Section 4-1 Sectio	Mes	200 300 500 1 1 1 1 1 2 1057 1057 49134.28 195.863 25504.89	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
2.2 2.3 2.4 3 3 4 4.1 4.2 4.3 5 6	Section 2-2 Section 4-3 Sectio	Mes Mes Mes Mes Nos Nos Nos Nos Nos Cum Cum	200 300 500 1 1 1 1 1 2 1057 1057 49134.28 195.863 25904.88	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
2.2 2.3 2.4 3 4 4.1 4.2 4.3 5 6 6.1 6.2 6.3 7	Section 2-2 Section 4-4 Section 4-5 Section 4-5 Section 4-6 Section 4-6 Section 4-7 Sectio	Mes Mes Mes Mes Nos Nos Nos Nos Com RM Let Let Let Let	200 300 500 1 1 1 1 1 2 1007 1008 49134 28 1105.853 25004.88	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
2.2 2.3 2.4 3 4 4.1 4.2 4.3 5 6 6 6.1 6.2 6.3 7	Section 2-2 Section 4-3 Sectio	Mes	200 300 500 1 1 1 1 1 2 1057 1057 49134.28 195.863 25904.88	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
2.2 2.3 2.4 3 4 4.1 4.2 4.3 5 6 6.1 6.2 6.3 7	Section 2-2 Section 4-3 Section 4-1 Section 2-2 Section 4-1 Section 3-3 Section 4-1 Section 3-3 Section 4-1 Section 3-3 Section 4-1 Section 3-3 Sectio	Mes Mes Mes Mes Nos Nos Nos Nos Com RM Let Let Let Let	200 300 500 1 1 1 1 1 2 1007 1008 49134 28 1105.853 25004.88	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
2.2 2.3 2.4 3 4 4.1 4.2 4.3 5 6 6 6.1 6.2 6.3 7	Section 2-2 Section 4-3 Sectio	Mes	200 300 300 500 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
22 23 24 3 4 4 41 43 5 6 6 6 6,1 6,2 6,3 7 7	Section 2-2 Section 4-3 Sectio	Mes Mes Mes Mes Mes Mes Nos Nos Nos Nos Cum Cum Let	200 300 300 500 1 1 1 1 1 2 1007 1007 49134.28 1908.83 25504.88	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
2.2 2.3 2.4 3 4 4 4.1 4.2 4.3 6 6 6 6.1 6.2 6.3 7 7 7.1 7.2 7.3 7.4 7.5 7.6 7.7	Section 2-2 Section 4-3 Section 2-3 Section 4-1 Section 2-3 Section 1-1 Section 2-3 Section 1-1 Section 2-3 Section 4-3 Sectio	Mes	200 300 300 500 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
2.2 2.3 2.4 3 4 4.1 4.2 4.3 5 6 6.1 6.2 6.3 7 7,1 7,2 7,3 7,4	Section 2-2 Section 4-3 Sectio	Mes Mes Mes Mes Mes Mes Nos Nos Nos Nos Cum Cum Cum Lot	200 200 300 300 500 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
2.2 2.3 2.4 3 4 4 4.1 4.2 4.3 6 6 6 6.1 6.2 6.3 7 7 7.1 7.2 7.3 7.4 7.5 7.6 7.7	Section 2-2 Section 4-3 Sectio	Mes	200 200 300 300 500 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
2.2 2.3 2.4 3 4 4.1 4.2 4.3 5 6 6 6.1 6.2 6.3 7 7 7.7 7.7 7.7 7.7 7.7 7.7 7.7	Section 2-3 Section 3-4 Section 4-4 Section 4-5 Section 4-5 Section 3-1 Section 4-6 Section 4-6 Section 4-6 Section 4-7 Sectio	Mes	200 300 300 500 1 1 1 1 1 1 2 1057 1057 49134.28 155.863 25504.88 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
2.2 2.3 2.4 3 4 4 4.1 4.2 4.3 5 6 6 6.1 6.2 6.3 7 7 7.1 7.2 7.3 7.7 7.7 7.7 7.7 8 8	Section 2-2 Section 4-3 Sectio	Mes Mes	200 300 500 1 1 1 1 1 1 2 1057 1057 49134_28 1195.853 22504_88 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
2.2 2.3 2.4 3 4 4 4.1 4.3 5 6 6 6.1 6.2 6.3 7 7 7.7 7.7 7.7 7.7 7.8 7.9 8 8.1 8.2	Section 2-2 Section 4-3 Sectio	Mes Mes Mes Mes Mes Nos Nos Nos Nos Nos RIM Cum Cum Cum Lot	200 300 300 600 1 1 1 1 1 2 1057 1057 49134.28 1195.853 25004.88 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
2.2 2.3 2.4 3 4 4 4.1 4.2 4.3 5 6 6 6.1 6.2 6.3 7 7 7.4 7.5 7.7 7.8 7.9 8 8 8.1 8.2 8.3 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	Section 2-2 Section 4-3 Section 5-2 Section 5-1 Section 5-2 Section 5-1 Section 5-2 Section 6-3 Section 7-3 Sectio	Mes	200 300 600 1 1 1 1 1 1 2 1057 1057 40134.28 1105.853 25504.88 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
2.2 2.3 2.4 3 4 4 4.1 4.2 4.3 5 6 6 6.1 6.2 6.3 7 7 7.1 7.2 7.3 7.4 7.5 7.6 7.7 7.7 8 8 8.1 8.2 8.3 9	Section 2-2 Section 4-3 Section 5-3 Section 1-1 Section 5-2 Section 5-3 Section 1-1 Section 5-2 Section 5-3 Section 6-3 Section 6-3 Section 6-3 Section 6-3 Section 6-3 Section 6-3 Section 7-3 Sectio	Mes Mes Mes Mes Mes Mes Nos Nos Nos Nos Nos RM Cum Cum Lot Lot Lot Lot Lot Lot Lot Lot Lot Lo	200 300 300 600 1 1 1 1 1 1 2 1067 1067 40134.28 150.863 25504.88 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0

10.1	12.5/ 20 /40 MVA, 132/ 33KV transformers a) Overall dimension of transformer(appox) Leength:720 mmX Videl 8000 mmX Height 8200 mm	Nos	2		0.00
10.2	b) Total weight with oil and tank: 97.5 MT (appox) OIL SUMP PITC/ID (collection (from transformers)sump pit with provision of pump(5 HP, with auto level control, including cabling, fixing of control near lax one CIGNPE As ner sense and sonorward drawing.	Nos	.1		0.00
11	Oil capacity of each Transformer in Itra appox. 3 (2004 IVM. 1 2003 XV.) 2600 IVM. 2004 IVM. 1 2004 IVM. 2 0 IVM. 2		,		0.40
	yard ass. After pioper leveling of the switch yard axes (lafter anti-weed treatment), spreading of plain comment concrete with mixing ratio 1.4.8 (fill) and mixindering precisions (proceed trecisions of 7 mm. michaeling, dessings, corresponding, the control of 7 mm. michaeling, dessings, corresponding, the control of 7 mm. michaeling, dessings, corresponding to 1.4.1 (fill) and the control of 7 mm. michaeling, dessings, corresponding to 1.4.1 (fill) and the control of 7 mm. michaeling dessings of 1 mm. michaelings of 1	CUM	500		0.00
12	Matal Spreading: Providing supplying and laying two layers of machine custed metals (game) If It life littl layer after composition shall make initiation 50 mm formed size consociations of composition and by subsignities a specifical into a people classification. As a layer of 50 mm thickness of machine cushed 20 mm rominal size of metals(game) above the first layer of 50 mm thickness and as per the sechical specification and instruction of Engineer in charge above the PCC(1.4.8). The total compacted thickness of the metals(20 mm Nominal) (filtims above the PCC).	СИМ	650		0.00
13	PROVISION OF PLANTATIONS Procision of plantation of 100 ros fruit hearing plants and 100 ros decoratise plants and different locations, a guider in fort of the control is commission plants and including supply of plants,soil treatment and its plantation including materials, below and TBP As per the instruction of Economie in Charter and specification. STORE PTICHING S. TOE WALL Store priching including making of the walls both at top and bottom, including surface dain both at top and bottom and partition wall in every 10 times by using boulders and RR masonry walls respectively. This also includes execution in all types of soil or locations, and other and or deposition of the plants and bottom are for deciction of Engineer in charge and as per soil.	LOT	1		0.00
14.1 14.2	Index Journ I minigratio disposal or excess earni and supply or materials and labour as per sire uncutor or engineer in unarge and as per approved drawnin and secretification. Excavation in soft & Loose Soil P.C.C.(1/38) Learn concrete Grade M-10	CUM	800 90		0.00
14.3	P.C.C.(1:24) Lean concrete Grade M-15	CUM	500		0.00
15	Switch yard feering: Providing and fixing of G.I Goat menh (2.5 mm da) feering the posts and links shall be of IN Goldwards J in switch year and other serves of the substation with a state from being through early perspective of providing the post shall be of IN Goldwards and service of the safety regulation of local, state and central government bodies and as per instruction of the Engineerin-Charge (The PCC work for growing the post shall be be 12.4 and as continuous Brick instancy now, with ratio 1.3 and center pointing of the prints, for the ferrings up to a height from the degrad ground releval. This also includes occaration in all types of sol or rocks, back filling, and disposal of secess earth as per the direction of Engineer in charge. The earthing of the feerings pare prependication.	MTR-RUN	500		0.00
16	Fixe wall Design, engineering, pocument of labour, material including all associated works for construction of fire-walls as per electrical proposed devinerage/count has Be RCC direct 1/2 and the walls are of the resistant bricks 1/2 also includes excension in all types of oil or nocks back filling and disposal of ences earth as per the direction of Engineer in charge. As per approved dewing and other controls are considered to the control of the contr	NO.	1		0.00
14.1	Any other civil work to be included in the schedule by the Bidder I required essential for successful completion of project, including supply of tabour, material, cement reinforcement steel, from work one. Civil dear had subspace on the following items of work, Rate shall be inclusive of supply of labour, material, cement, reinforcement steel, from work etc.) Executation This also includes executation in all pages of soil or rocks, back filling and disposal of excess earth as per the direction of Engineer in	Cu.m.	1		0.00
14.2	chare. PCC: M10(1:3:6) RCC M16(1:2:4)	Cu.m.	1		0.00
14.3 14.4 14.5	RCC: M 20(1:1.53) Brick masons work in cement sand mortar 1:6 with bricks of class designation 75.	Cu.m. Cu.m.	1		0.00 0.00 0.00
14.6	12 mm thick plaster in cement sand mortar (1:6).	Sq.m.	1		0.00
14.7 15	Cutting_bending_binding(gupply of binding wires) and fixing of reinforcement(including supply of reinforcement). Construction of township/colony (residential quarters) for staff and employees of the employer. Layout, design, survey, leveling, site dressing and clearing of the area, soil investigation, excavation, PCC, RCC, brick work, plastering, Blooring(flooring shall be with vitrified titles of reputed make	M.T.	1		0.00
	coloning of the state, tool inheligation's describation, V-Cu, v-Cu, clock with plastically placing specified great as well written use or regulate relative interferent extractions and the state of th	,			
15.1	Size. Di type quarter as per technical specification (2 Nos. of Quarter, each of size 120 Sq. Mrr (D1 & D2) (one no. two storied flat- Each Flat shall be with one no. quarters on ground floor. D' by pe Quarter As per technical specification (IQ Nos Quarter, each of size 120 SQ Mirs)(D1 & D2)(one no. two storied flat. Each flat shall be with				
15.1.1 15.1.2	1 no quarter on ground floor & 1 No quarter on 1st floor). "D" type Quarter As per technical specification: 1 no quarter on ground floor & the size of quarter plinth area shall be 120 Sq Mtrs(appox)	SQ MTRS	120		0.00
15.1.3 15.2.1	To type Quarter As per technical specification: 1 no quarter on first floor & the size of quarter plinth area shall be 120 Sq Mtrs(appox) "E" type Quarter As per technical specification (one no. two storied flat. Each flat shall be with 2 nos quarters on ground floor & 2 Nos quarters on	SQ MTRS	120		0.00
15.2.2	1st floor) (There shall be 4 Nos quarters to be accommodated in one flat as E1.E2.E3.8.E4) E* type Quarter As per technical specification 2 nos quarters on ground floor & the quarters to be accommodated in ground floor E1 & E2 (Each quarter size pithin area shall be 73 Sq Mtrs(apport)	SQ MTRS	146		0.00
15.2.3	"E" type Quarter As per technical specification: 2 nos quarters on first floor & the quarters to be accommodated in ground floor E3 & E4(Each quarter size shall be 73 Sq Mtrs(appox)	SQ MTRS	146		0.00
16	MAN & SWITCH YARD GATES Design, engineering, procurement of labour, material including all associated works for construction and fising of of a main gate and one no, which yand gettes with me gates as per specification and approved drawing. This stort includes execution to report of soil or note, back filling, and disposal of excess earth as per the direction of Engineer in charge. Provision of gate lights (Post top lattern type) and soil or note, back filling, and disposal of excess earth as per the direction of Engineer in Charge. Provision of gate lights (Post top lattern type) are also plained to gate. A includes supply & lings of gliff filterars including EED Gate lamp (IV. XIVE Eather, surface) seer received review works as per specification and approved drawings. (Main Gate 1 No. with adjacent wicket gate & Switchyard Gate 2 Nos. with adjacent wicket gate).	Lot	1		0.00
17	EQUID CODING BAY MARKING Etc Design, engineering, procurement of labour, material including all associated works for the followings. This should be as per decision of all the 1 change, allowing coding (recyclene) & Bloby for engineering burghy accurated in their esturch yours. Coopyright of the control of the 1 change, allowing coding for recyclene and their properties of the state of the sta	Lot	1		0.00
18	incused. MS sion board with stand to be installed. Procer ceising and lettering to be done of the entire switch yard area. STATION TRANSFORMER FOUNDATION Design, engineering, procurement of abour, material including all seasoidated works for construction of foundation and OP structure foundation for station transformers 330.415 KV,250 KVA STN TRANSFORMER including excavation & RCC (11.5.3) foundation as one accorded drawing and specification.	NOS	2		0.00
19	SCURITY SHED & CUM VISITOR ROOM AND VEHICLE PARKING SHED. Design, engineering, procurement of labour, material including all associated woods for construction of Security held near man gain, extra to the very text at the connect of switch year age per the approved design instruction of Engineer in charge. The sites includes exclusion in all types of oir rocks back filling and disposal of excess each as per the from the man ACDSUGADOR control of excess each as per the from the man ACDSUGADOR rocks instructed for steel tight or colony quarters. Also includes painting of the building (in side and out side) as per recommended for colony building in the specification.				
19.1	SECURITY SHED: The size of the security shed shall be 3.5 mtrsX5mtrs and height of 3.5mtrs RCC roof, brick masonary works, plastering and painting and fixing of MS doors and windows.	Nos	1		0.00
19.2	VENICLE PARKING SHED. The size of the parking sees shall be 16mer x 15 mers, out of the entire sees there shall be provision of shed for 5 mers x 15 mers and of the assa shall be should shed be 100 milks in ECPC (2.3-8) footing with the propagating blood should not be as 8. Roof of the parking parts shall be RCO. & Parking shed dhall be as por 17-80 CM & as port in direction of Engineer in Chapt. DOE VEILLE A PURP HOUSE Design, respersing, procurement of bloom, instantial inclining all associated which is for contraction of two ros.	Nos	1		0.00
	bore wells for control room building including switch yard and colony quarters as per specification and approved drawing and instructions. Engineer in charge, his includes supply and fining and commissioning of born one. SHE systematile water pump with statere and other process. Construction of two rose pump house at ideal location for firing of the electrical stater units. The pump house be of RCC rost and having walls of a first, as per approved drawing and a great process. The site of the room shall be a Carbinat2, after the lower pump for a first and a special process. This includes supply of materials, abborat VIII and the pump house. This includes supply of materials, abborat VIII and the pump house in the site of the pump house. The includes supply of materials, abborat VIII and the pump house in the pump house in the includes supply of materials, abborat VIII and the pump house in the pump house in the system acts to complete the scheme as per approved drawing & instruction of Engineer-in charge.	NOS	2		0.00
21	SIGNE SHEDDesign, engineering, procument of bloor, material including all associated works for construction of store shed as per specification and approved drawing. This side includes execution in all layes of soil or rocks. shelf limiting additional receives them a per the specification, approved drawing and direction of Engineer in charge. One no store shed of floor sizes 15 me/XT-5 mtr having brick waits and plastering with RCO cold. The flooring shall be of 15 mm thickness PCC (limit instal 2-) one RR massory works (see part standard purpose flooring). Provision of adequate nose MS tacks (proper partitings also to be done as per the direction of site in charged for keeping the span materials. The height of the held shall be demand solve the prints.	Lot	1		0.00
22	FLATTORE FOR STORMS EQUIMENTS Design, empreseng, procurement of bloom, material including all associated works for construction of application of soting of bushings lecturement including scales and expectation and application and solid or mode, black limits and disposal of excess earlings are fine perficiently approved travering and direction of Engineer in charge. One relationship of solid many and direction of Engineer in charge. One relationship of solid many and direction of Engineer in charge. One relationship of solid many cases are consistent to the solid many control of the s	Lot	1		0.00
24	per specification and approved drawing. This side includes executation in all types of sool or rocks back filling and disposal of excess earth as per the disciscion of insigning in the disease time and approved disposal of excess earth as per the disciscion of insigning of adequate size and capacity for any and unlocking of the materials of 5 coupacity from the lony or to the lony or to the lony near the store shed. Adequate size of MS frames and RCC (1.1.5.3) based ramps to be used for the said AR-MY-West Treatment.	Lot	1		0.00
24.1	Supply of labour,T&P,Chemicals and other necessary arrangements for anti-weed treat of the switch-yard areas,controlroom etc. as per the instruction of Engineer-in-Charge.	Sq.Mtrs	7000		0.00
	TOTAL OF (Cwil Work) (PART-B)_SUBSTATION TOTAL OF ERECTION PRICE SUBSTATION				0.00 0.00
	ERECTION_TRANSMISSION LINE EQUIPMENT AND MATERIALS				
Sl. No.	DESCRIPTION OF ITEMS(SCHEDULE-2C ERECTION, TESTING & COMMISSIONING OF FOLLOWING EQUIPMENT/MATERIALS ALONG WITH CIVIL WORKS (As per Technical Specification)	UNIT	QUANTITY: for Construction of 132 KV D.C. Transmission Line from proposed 220/132/33KV Bargarh Grid S/S to 132/33KV Ghens S/S (APPROX.LENGTH 28.872kms.)	Unit Erection Rate IN INR	Total Erection Price IN INR
1 PART-A	2 ELECTRICAL WORKS ERECTION,TESTING & COMMISSIONING of Following tested Lattice type Galvanized steel tangent / Angle tower without	3	4	5	6=4x5
1.0 1.1 '1.1.1	PA TYPE (SUSPENSION) TOWERS (Nominal unit weight 3.430 MT) (84 nos)	Nos Nos	84 16		
'1.1.2	+3 EXTENSION (Nominal unit weight 0.537 MT) (16 nos) +6 EXTENSION (Nominal unit weight 1.349 MT) (2 nos)	Nos	16 2 16		
1.2	PB TYPE (30 dea ANGLE) TOWERS (Nominal unit weight 4.973 MT) (16 nos) +3 EXTENSION (Nominal unit weight 1.018 MT)(4 nos.)	Nos Nos	4		
'1.2.2 1.3	+6 EXTENSION (Nominal unit weight 2.104 MT) (0 nos) PC TYPE (60 deg ANGLE) TOWERS (Nominal unit weight 6.214 MT) (3 nos)	Nos Nos	3		
'1.3.1 '1.3.2	+3 EXTENSION (Nominal unit weight 1.068 MT) (0 nos) -6 EXTENSION (Nominal unit weight 2.243 MT) (0 nos)	Nos Nos	0		
1.4	WEIGHT OF THE STRUCTURES (including Tower stubs, & Foundation Nut and Bolts) Weight of different type G.I Nuts and Bolts	MT MT	407.130 19		0.00 0.00
'1.5.1	Fixing of of Templates & setting of stubs PAType	Sets	84		0.00
'1.5.2 '1.5.3	PB Type PC Type	Sets Sets	16		0.00 0.00

1.6				
	Hoisting and fixing of insulators with required accessories(power conductor accessories, Earth conductor accessories, Anti fog type insulators & hard ware fittings, tower accessories etc), paying out of conductor , jointing, stringing, sagging & Jumpering			
	etc. of power conductor with G.I. Earth wire in the proposed lines and with earth wire with all required accessories including			
	scaffolding for 33 KV,11 KV, LT, P&T lines, roads and using own required T&P and compression jointing machines etc. with provision for Sag & Wastage and as per the direction of Engineer in charge.			
1.6.10	SINGLE CIRCUIT (ACSR/AAAC,THREE POWER CONDCTOR & 1 EARTH WIRE) DOUBLE CIRCUIT (ACSR/AAAC,SIX POWER CONDCTOR & 1 EARTH WIRE)	Route(Km) Route(Km)	0.00 28.87	0.00
1.7	COUNTER POISE EARTHING	Mtr. Length	0	0.00
1.8	Erection of earthing device including supply of materilas as per Technical Spec PTCC approval, railway crossing has to be obtained by submitting the required documents to the concerned department	Nos.	103	0.00
	through OPTCL. Way-Leave blockade charges and any other charges are to be borne by the bidders. The documents for			
2.0	PTCC clearance & Railway clearance including required drawings etc has to be submitted by the contractor within 5 months of award of contract. Beyond the above period L.D as applicable & the amount shall be deducted as specified in the	LS	1	0.00
	specification.			
SARTE	TOTAL of ELECTRICAL WORKS Part-I (A) _TRANSMISSION LINE			0.00
	CIVIL WORKS SURVEY OF LINE & PREPARATION LAND SCHEDULE: Supply of required T&P's, Technical personnel's, labours			
1	for conducting			
1.1	Preliminary survey, Detail survey and resurvey (required for avoiding ROW problem) including but not limited to taking of levels, profile plotting, tower spotting, marking of towers locations at site including showing P&T line, power line, Railway line,			
	river crossing, roads and submission of route map and survey report etc. The P&T lines and railway lines for a minimum	KM.	28.872	0.00
1.2	distance of 8 kms on either side of alignment shall be clearly indicated Check survey including supply of all labour, T&P as per instruction of Engineer in Charge and as per the approved profile.			
		KM.	28.872	0.00
1.3	Preparation of land schedule on revenue (if required)maps indicating alignment therein duly authenticated by Revenue Inspector & Tahasildar, enumeration of trees with the help of Forest officer and other prominent features required for	KM.	28.872	0.00
1.4	alignment of the proposed 132 KV line. Final route to be plotted on 1:50000 topo sheet for approval.	2	10	
1.4	Soil Testing in complete shape along with submission of report etc. up to the depth of 15 Mtrs. Soil Testing in complete shape along with submission of report etc. upto the depth of 45 mtrs for River bed pile.	Per Loc. Per Loc.	0	0.00
2	EXCAVATION WORKS FOR OPEN CAST/SHALLOW TYPE FOUNDATIONS			
	Excavation for following type of soil and rocks and back filling (back filling shall be done in layers of 500mm sprinkling of water and compaction thereafter and disposed of excess quantity of excavated soil at suitable place			
2.1	after back filling), & if required for filling the foundation, borrowed earth/morrum/sand shall be brought for filling and			
2.1.1	compaction, including supply of sand, all T&P, labour as required. Soft/Loose soil	CUM	1100	0.00
2.1.2	Dense/Compact soil	CUM	500	0.00
2.1.3	Wet Soil	CUM	1500 200	0.00
2.1.4	Partial Submerged soil Fully submerged soil	CUM	100	0.00
2.1.6	Soft/Disintegrated rock(Not requiring Blasting)	CUM	1500	0.00
2.1.7	Hard Rock(Requiring Blasting/Using breaker machinery) FOUNDATION MATERIALS: Supply of all materials like cement, steel, all coarse aggregates, fine aggregates and	CUM	3000	0.00
	making foundations of the required above mentioned type towers as per the direction laid down in the technical			
3.1	specification and the direction of the site- in charge Design, Engineering, Providing and laying of plain cement concrete (PCC 1:3:6) of grade M10 with approved quality coarse			
	aggregates (Nominal size 12mm to 20mm), fine aggregates, cement in tower foundation as blind layer inclusive of labour	CUM	185	0.00
	charges for concrete mixing & curing. This includes supply of all labourers, T&P and dewatering wherever required as per Technical specification and instruction of Engineer In charge.			
4	Design, Engineering and laying of reinforced cement concrete (RCC1:1.5:3) of grade M20 for open cast foundation with			
	supply of approved quality coarse aggregates(Nominal size 12mm to 20mm), fine aggregates, cement and steel of different size(as per design) with cutting, bending, binding of M.S.Rod (FE-500) including supply of binding wire in tower foundation			
	and inclusive of labour charges for concrete mixing, supply and fixing of form boxes, curing, shoring, shuttering, testing of	CUM	600	0.00
	sample cement concrete cubes as per IS. The height of the coping shall be 350mm above the finished concrete level. The surrounding area shall be clear from materials. Damage of land if any by the contractor shall be repaired before			
	measurement. This includes supply of all labourers, T&P and dewatering wherever required as per Technical specification			
5	and instruction of Engineer In charge PILE FOUNDATION (UNDER-REAMED)			
	Supply of all materials like cement, steel, all coarse aggregates, fine aggregates and making Under-reamed pile foundations			
	(after pile boring as per required depth, basing on design by means of manual Auger or motor driven machinery etc.) of the required above mentioned type towers and as per requirement, including supply of all equipments with labours, proper			
	curing of the foundations and T&P as per specification in the concrete ratio 1:1.5:3 (Grade M-20.) including supply of			
5.1				
5.1	Bentonite required for stabilization bore of required diameter bore holes applicable for under ream piles up-to the depth of 20			
5.1.1	Bentonite required for stabilization bore of required diameter bore holes applicable for under ream piles up-to the depth of 20 Mtrs. 375MM DIA	Mtr.	0	0.00
5.1.1 5.1.2	Bentonite required for stabilization bore of required diameter: bore holes applicable for under ream piles up-to the depth of 20 Mtrs. 375MM DIA 450MM DIA	Mtr.	0	0.00
5.1.1	Bentonite required for stabilization bore of required diameter: bore holes applicable for under ream piles up-to the depth of 20 Mrs. 375MM DIA 450MM DIA 500MM DIA 600MM DIA			
5.1.1 5.1.2 5.1.3 5.1.4 5.2	Bentonic equired for stabilization bore of required diameter bore holes applicable for under ream piles up-to the depth of 20 Mrs. 375MM DIA 450MM DIA 500MM DIA 500MM DIA 600MM DIA 600MM DIA	Mtr. Mtr. Mtr.	0 0 0	0.00 0.00 0.00
5.1.1 5.1.2 5.1.3 5.1.4	Bentonite required for stabilization bore of required diameter: bore holes applicable for under ream piles up-to the depth of 20 Mrs. 375MM DIA 450MM DIA 500MM DIA 600MM DIA 600MM DIA CAPPING-PEDESTAL & TIE-BEAM CONCRETE WORKS OF UNDER-REAMED PILE PCC(Lean Concrete) in the ratio 13:81(Grade M-10)	Mtr. Mtr. Mtr.	0 0 0	0.00 0.00 0.00 0.00
5.1.1 5.1.2 5.1.3 5.1.4 5.2 5.2.1	Bentonite required for stabilization bore of required diameter: bore holes applicable for under ream piles up-to the depth of 20 Mrs. 375MM DIA 450MM DIA 500MM DIA 600MM DIA 600MM DIA FOR THE PERSON OF THE	Mtr. Mtr. Mtr.	0 0 0	0.00 0.00 0.00
5.1.1 5.1.2 5.1.3 5.1.4 5.2 5.2.1	Bentoint enquired for stabilization bore of required diameter: bore holes applicable for under ream piles up-to the depth of 20 Mrs. 375MM DIA 450MM DIA 500MM DIA 600MM DIA 600	Mtr. Mtr. Mtr.	0 0 0	0.00 0.00 0.00 0.00
5.1.1 5.1.2 5.1.3 5.1.4 5.2 5.2.1 5.2.2	Bestroits required for stabilization bore of required diameter: bore holes applicable for under ream piles up-to the depth of 20 Mrs. 375MM DIA 450MM DIA 500MM DIA 500MM DIA 600MM DIA 60	Mtr. Mtr. Mtr.	0 0 0	0.00 0.00 0.00 0.00
5.1.1 5.1.2 5.1.3 5.1.4 5.2 5.2.1 5.2.2	Bentoint enquired for stabilization bore of required diameter: bore holes applicable for under ream piles up-to the depth of 20 Mrs. 375MM DIA 450MM DIA 500MM DIA 600MM DIA 600	Mtr. Mtr. Mtr.	0 0 0	0.00 0.00 0.00 0.00
5.1.1 5.1.2 5.1.3 5.1.4 5.2 5.2.1 5.2.2	Bestroits required for stabilization bore of required diameter: bore holes applicable for under ream piles up-to the depth of 20 Mtrs. 375MM DIA 450MM DIA 500MM DIA 500MM DIA 600MM DIA 6	Mtr. Mtr. Mtr.	0 0 0	0.00 0.00 0.00 0.00
5.1.1 5.1.2 5.1.3 5.1.4 5.2 5.2.1 5.2.2 5.3 5.3.1	Bestroits required for stabilization bore of required diameter: bore holes applicable for under ream piles up-to the depth of 20 Mrs. 375MM DIA 450MM DIA 500MM DIA 500MM DIA 500MM DIA 600MM DIA 60	Mtr. Mtr. Mtr. CUM	0 0 0	0.00 0.00 0.00
5.1.1 5.1.2 5.1.3 5.1.4 5.2 5.2.1 5.2.2 5.3.1	Bentonite required for stabilization bore of required diameter: bore holes applicable for under ream piles up-to the depth of 20 Mrs. 375MM DIA 450MM DIA 500MM DIA 500MM DIA 500MM DIA 600MM DIA 60	Mtr. Mtr. Mtr. CUM CUM Mtr.	0 0 0	0.00 0.00 0.00 0.00
5.1.1 5.1.2 5.1.3 5.1.4 5.2 5.2.1 5.2.2 5.3 5.3.1	Bestroits required for stabilization bore of required diameter: bore holes applicable for under ream piles up-to the depth of 20 Mtrs. 375MM DIA. 450MM DIA. 500MM DIA. 500MM DIA. 500MM DIA. 500MM DIA. 600MM DI	Mer. Mer. Mer. CUM CUM After. After. After.	0 0 0	0.00 0.00 0.00 0.00 0.00
5.1.1 5.1.2 5.1.3 5.1.4 5.2 5.2.1 5.2.2 5.3 5.3.1 5.3.1.1 5.3.1.2 5.3.1.3	Bentonics required for stabilization bore of required diameter: bore holes applicable for under ream piles up-to the depth of 20 Mtms. 375MM DIA 450MM DIA 500MM DIA 500MM DIA 500MM DIA 600MM DIA	Mtr. Mtr. Mtr. CUM CUM Mtr.	0 0 0	0.00 0.00 0.00 0.00
5.1.1 5.1.2 5.1.3 5.2 5.2.1 5.2.2 5.3.1 5.3.1.1 5.3.1.1	Bestroits required for stabilization bore of required diameter: bore holes applicable for under ream piles up-to the depth of 20 Mtrs. 375MM DIA. 450MM DIA. 500MM DIA. 600MM DI	Mer. Mer. Mer. CUM CUM After. After. After.	0 0 0	0.00 0.00 0.00 0.00 0.00
5.1.1 5.1.2 5.1.3 5.1.4 5.2 5.2.1 5.2.2 5.3 5.3.1 5.3.1 5.3.1.2 5.3.1.3	Bestroits required for stabilization bore of required diameter: bore holes applicable for under ream piles up-to the depth of 20 Mtrs. 375MM DIA 450MM DIA 500MM DIA 500MM DIA 500MM DIA 600MM DIA 6	Mer. Mer. Mer. Mer. CUM CUM CUM After. After. Mer. Mer. CUM CUM	0 0 0 0 0	0.00 0.00 0.00 0.00 0.00 0.00 0.00
5.1.1 5.1.2 5.1.3 5.1.4 5.2.5 5.2.1 5.2.2 5.3.1 5.3.1.1 5.3.1.2 5.3.1.3 5.4 5.4.1	Bentonic required for stabilization bore of required diameter: bore holes applicable for under ream piles up-to the depth of 20 Mtrs. 375MM DIA 450MM DIA 500MM DIA 500MM DIA 600MM DIA CAPPING-PEDESTAL & TIE-BEAM CONCRETE WORKS OF UNDER-REAMED PILE PCCIL ean Concreted in the ratio 1:38(Crade M-10) Pile riser (if required), capping, the beams etc., required for sub-setting including supply of rods, coment, different gradient for concrete ratio 1:13 (Sigrade M-20), including curing minimum tor 15 days continuous with excavation in all type of soils and concrete ratio 1:13 (Sigrade M-20), including curing minimum tor 15 days continuous with excavation in all type of soils and PILE FOUNDATION. (RIVER BED PILE BORNO BY DMC METHOD) FILE FOUNDATION. (RIVER BED PILE BORNO BY DMC METHOD) Supply of all materials like coment. It see, all cozers aggregates. In eaggregates and applying DMC Method pile foundations (after pile boring as per required depth, basing on design by means of machinery and high power pumps etc. used for DMC method piling of the required down ementioned type towers and as per requirement, including supply of all equipments shoring a shuttering materials, dewatering with labours, proper curing of the foundations and T&P as per specification in the concrete ratio 1:1-53 (Grade M-10) including supply of Pentonitie required for stabilization bore of required diameter bore holes associable for roles benevod 20 Mtrs. 500MM DML 500MM	Mer. Mer. Mer. Mer. CUM CUM Mer. Mer. Mer. Mer. Mer. Mer. Mer. Mer	0 0 0 0	0.00 0.00 0.00 0.00 0.00
5.1.1 5.1.2 5.1.3 5.1.4 5.2 5.2.1 5.2.2 5.3.1 5.3.1.1 5.3.1.2 5.3.1.3 5.3.1.3	Bestonics required for stabilization bore of required diameter: bore holes applicable for under ream piles up-to the depth of 20 Mtrs. 375MM DIA. 450MM DIA. 500MM DIA. 500MM DIA. 500MM DIA. 500MM DIA. 500MM DIA. 600MM DI	MW: MW: MW: CUM CUM CUM MW: MW: CUM CUM CUM CUM CUM CUM CUM CU	0 0 0 0 0	0.00 0.00 0.00 0.00 0.00
5.1.1 5.1.2 5.1.3 5.1.4 5.2.5 5.2.1 5.2.2 5.3.1 5.3.1.1 5.3.1.2 5.3.1.3 5.4 5.4.1	Bestroits required for stabilization bore of required diameter: bore holes applicable for under ream piles up-to the depth of 20 Mrs. 375MM DIA 450MM DIA 500MM DIA 500MM DIA 500MM DIA 600MM DIA 60	Mer. Mer. Mer. Mer. CUM CUM CUM After. After. Mer. Mer. CUM CUM	0 0 0 0 0	0.00 0.00 0.00 0.00 0.00 0.00 0.00
5.1.1 5.1.2 5.1.3 5.1.4 5.2 5.2.1 5.2.2 5.3.1 5.3.1.1 5.3.1.1 5.3.1.1 5.3.1.2 5.3.1.3	Bestroits required for stabilization bore of required diameter: bore holes applicable for under ream piles up-to the depth of 20 Mrs. 375MM DIA 450MM DIA 500MM DIA 500MM DIA 500MM DIA 600MM DIA 6	MV: MV: MV: CUM CUM MW: MV: CUM CUM MV: MV: MV: MV: MT CUM CUM Man Hour HP Hour	0 0 0 0 0 0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
5.1.1 5.1.2 5.1.3 5.1.4 5.2 5.2.1 5.2.2 5.3.1 5.3.1 5.3.1.2 5.3.1.3 5.4.1 5.4.2 5.5.1 5.5.1 5.5.5 5.5.1	Bestroits required for stabilization bore of required diameter: bore holes applicable for under ream piles up-to the depth of 20 Mtrs. 375MM DIA. 450MM DIA. 500MM DIA. 500MM DIA. 500MM DIA. 500MM DIA. 500MM DIA. 600MM DI	Mer. Mer. Mer. Mer. Mer. Mer. Mer. Mer.	0 0 0 0	0.00 0.00 0.00 0.00 0.00 0.00 0.00
5.1.1 5.1.2 5.1.3 5.1.4 5.2 5.2.1 5.2.2 5.3.1 5.3.1.1 5.3.1.1 5.3.1.1 5.3.1.2 5.3.1.3	Bestroits required for stabilization bore of required diameter: bore holes applicable for under ream piles up-to the depth of 20 Mtrs. 375MM DIA 450MM DIA 500MM DIA 500MM DIA 500MM DIA 600MM DIA 6	MV: MV: MV: CUM CUM MW: MV: CUM CUM MV: MV: MV: MV: MT CUM CUM Man Hour HP Hour	0 0 0 0 0 0	0.00 0.00 0.00 0.00 0.00
5.1.1 5.1.2 5.1.3 5.1.4 5.2 5.2.1 5.2.2 5.3 5.3.1.1 5.3.1.2 5.3.1.3 5.4 5.4.1 5.4.5 5.5 5.5.1 5.5.2	Bestroits required for stabilization bore of required diameter: bore holes applicable for under ream piles up-to the depth of 20 Mtrs. 375MM DIA. 450MM DIA. 500MM DIA. 500MM DIA. 500MM DIA. 500MM DIA. 500MM DIA. 600MM DI	Mr. Mr. Mr. Mr. CUM CUM CUM Mr. Mr. Mr. Mr. Mr. Mr. Mr. Mr. Mr. Mr	0 0 0 0 0 0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
5.1.1 5.1.2 5.1.3 5.1.4 5.2 5.2.1 5.2.1 5.2.1 5.3.1 5.3.1.1 5.3.1.1 5.3.1.2 5.3.1.3 5.4 5.4 5.5 5.5 5.5 5.5 5.5 5.5	Bestroits required for stabilization bore of required diameter: bore holes applicable for under ream piles up-to the depth of 20 Mtrs. 375MM DIA 450MM DIA 500MM DIA 500MM DIA 500MM DIA 500MM DIA 500MM DIA 640MM DIA 650MM DIA 6	MW: MW: MW: CUM CUM CUM MW: MW: MW: MW: MT CUM CUM CUM CUM CUM CUM SO.MTR.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
5.1.1 5.1.2 5.1.3 5.1.4 5.2 5.2.1 5.2.1 5.3.1 5.3.1.1 5.3.1.1 5.3.1.1 5.3.1.2 5.3.1.3 5.4 5.5 5.5 5.5 5.5 5.5 5.5 5.5	Bestroits required for stabilization bore of required diameter: bore holes applicable for under ream piles up-to the depth of 20 Mrs. 375MM DIA 450MM DIA 500MM DIA 500MM DIA 500MM DIA 600MM DIA 60	Mer. Mer. Mer. Mer. Mer. Mer. Mer. Mer.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
5.11 5.12 5.13 5.14 5.2 5.2 5.2 5.2 5.3 5.3 5.3 5.3 5.3 5.3 5.3 5.3 5.3 5.3	Bestroits required for stabilization bore of required diameter: bore holes applicable for under ream piles up-to the depth of 20 Mrs. 375MM DIA 450MM DIA 500MM DIA 500MM DIA 500MM DIA 600MM DIA 6	MW: MW: MW: CUM CUM CUM MW: MW: MW: MW: MT CUM CUM CUM CUM CUM CUM SO.MTR.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
5.1.1 5.1.2 5.1.3 5.1.4 5.2 5.2.1 5.2.2 5.3 5.3.1.1 5.3.1.2 5.3.1.3 5.4 5.4.1 5.5.5 5.5.1 5.5.5 5.5.1 5.5.5 5.5.1 5.7 5.8	Bestroits required for stabilization bore of required diameter: bore holes applicable for under ream piles up-to the depth of 20 Mrs. 375MM DIA 450MM DIA 500MM DIA 500MM DIA 500MM DIA 600MM DIA 60	MW: MW: MW: CUM CUM CUM MW: MW: MW: MW: MT CUM CUM CUM CUM CUM CUM SO.MTR.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
5.11 5.12 5.13 5.14 5.2 5.2 5.2 5.2 5.3 5.3 5.3 5.3 5.3 5.3 5.3 5.3 5.3 5.3	Bestroits required for stabilization bore of required diameter: bore holes applicable for under ream piles up-to the depth of 20 Mrs. 375MM DIA 450MM DIA 500MM DIA 500MM DIA 500MM DIA 600MM DIA 60	Mer. Mer. Mer. Mer. Mer. Mer. Mer. Mer.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
5.11 5.12 5.13 5.14 5.2 5.2 5.2 5.2 5.3 5.3 5.3 5.3 5.3 5.3 5.3 5.3 5.3 5.3	Bestroits required for stabilization bore of required diameter: bore holes applicable for under ream piles up-to the depth of 20 Mtrs. 375MM DIA. 450MM DIA. 500MM DIA. 600MM DI	Mer. Mer. Mer. Mer. Mer. Mer. Mer. Mer.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
5.1.1 5.1.2 5.1.3 5.1.4 5.2.1 5.2.1 5.2.1 5.3.1.1 5.3.1.1 5.3.1.1 5.3.1.2 5.3.1.3	Bestroits required for stabilization bore of required diameter: bore holes applicable for under ream piles up-to the depth of 20 Mtrs. 375MM DIA. 450MM DIA. 500MM DIA. 50	Mer. Mer. Mer. Mer. Mer. Mer. Mer. CUM CUM Mer. Mer. Mer. Mer. Mer. Mer. Mer. Me	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
5.1.1 5.1.2 5.1.3 5.1.4 5.2.1 5.2.1 5.2.1 5.3.1.1 5.3.1.1 5.3.1.1 5.3.1.2 5.3.1.3	Bestroits required for stabilization bore of required diameter: bore holes applicable for under ream piles up-to the depth of 20 Mrs. 375MM DIA 450MM DIA 500MM DIA 500MM DIA 500MM DIA 600MM DIA 60	Mer. Mer. Mer. Mer. Mer. Mer. Mer. Mer.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
5.11 5.12 5.13 5.14 5.25 5.21 5.21 5.31	Bestonics required for stabilization bore of required diameter: bore holes applicable for under ream piles up-to the depth of 20 Mtrs. 375MM DIA. 450MM DIA. 500MM DIA. 600MM DI	MW: MW: MW: CUM CUM CUM MW: MW: MW: MM: MT CUM CUM CUM Man Hour HP Hour CUM	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
511 512 513 514 52 521 522 53 531 531 531 531 531 531 531 531 541 542 555 551 551 551 551 551 551 551 551 55	Bestonic required for stabilization bore of required diameter: bore holes applicable for under ream piles up-to the depth of 20 Mrs. 375MM DIA 450MM DIA 500MM DIA 500MM DIA 500MM DIA 600MM DIA 600	MW: MW: MW: CUM CUM CUM MW: MW: MW: MW: MT CUM CUM CUM CUM CUM CUM CUM	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
5.11 5.12 5.13 5.14 5.25 5.21 5.21 5.31	Bestonics required for stabilization bore of required diameter: bore holes applicable for under ream piles up-to the depth of 20 Mrs. 375MM DIA 450MM DIA 500MM DIA 500MM DIA 500MM DIA 600MM DIA 60	MW: MW: MW: CUM CUM CUM MW: MW: MW: MM: MT CUM CUM CUM Man Hour HP Hour CUM	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
5.1.1 5.1.2 5.1.3 5.1.4 5.2.1 5.2.1 5.2.1 5.3.1.1 5.3.1.1 5.3.1.1 5.3.1.1 5.3.1.3	Bestonics required for stabilization bore of required diameter: bore holes applicable for under ream piles up-to the depth of 20 Mtrs. 375MM DIA 450MM DIA 500MM DIA 600MM DIA 6	MW: MW: MW: MW: CUM CUM CUM MW: MY: MY: MY: MY: CUM CUM CUM CUM CUM CUM CUM CUM	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
5.1.1 5.1.2 5.1.3 5.1.4 5.2.1 5.2.1 5.2.1 5.3.1.1 5.3.1.1 5.3.1.1 5.3.1.1 5.3.1.3	Bestonics required for stabilization bore of required diameter: bore holes applicable for under ream piles up-to the depth of 20 Mrs. 375MM DIA 450MM DIA 500MM DIA 500MM DIA 500MM DIA 600MM DIA 60	MW: MW: MW: MW: CUM CUM CUM MW: MY: MY: MY: MY: CUM CUM CUM CUM CUM CUM CUM CUM	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
5.1.1 5.1.2 5.1.3 5.1.4 5.2.1 5.2.1 5.2.1 5.3.1.1 5.3.1.1 5.3.1.1 5.3.1.1 5.3.1.3	Bestonics required for stabilization bore of required diameter: bore holes applicable for under ream piles up-to the depth of 20 Mtrs. 375MM DIA 450MM DIA 500MM DIA 600MM DIA 6	MW: MW: MW: MW: CUM CUM CUM MW: MY: MY: MY: MY: CUM CUM CUM CUM CUM CUM CUM CUM	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0

- NOTE:

 1 Before filling up rate/amount etc. in the schedules bidders are requested to read carefully the instruction given in Vol-1 of Bidding Document.

 2 Bidders are required to fill up only blue shaded cells.

 3 Bidders are required to fill up only blue shaded cells.

 3 Bidders are required to fill up only blue shaded cells.

 3 Bidders are required to fill up only blue shaded cells.

 3 Bidders are required to fill up only blue shaded cells.

 4 Bidder have consequent on to knew any column blank. If any column is left blank it shall be considered that amount against those items are included in any other item and the total amount for that item shall be calculated as free of cost (Zero value). No rate shall be furnished/obtained after bid opening (Ref clause no 33.4.1 of INB vol. 4 Bidder has to quote rates excluding service tax (if any), service tax shall be paid/reimbursed as per conditions of Bid Document.

		ODISHA POWER TRANSMISSION CORPORATION LIMITED
	PACKAGE 67(I)/2014-15	NAME OF THE WORK:-Construction of 2X20 MVA,132/33 KV S/s at GHENS in Baragarh district with associated 132 KV DC Transmission Line from proposed 220/132/33 KV Baragarh Grid S/s. (App. Line Length: 28.872Kms.)
		NOTICE INVITING TENDER-NIT NO. 67/2014-15 & BID DOCUMENT No.:Sr. G.M-CPC- TENDER- GHENS(BARAGARH)- PACKAGE- 67(I) / 2014-15
		SCHEDULE-1(ABSTRACT OF PRICE SCHEDULE)
	NAME OF THE BIDDER	
Sl. No.	DESCRIPTION OF SCHEDULES	PRICE IN INR
1	2	3
1.0	Substation_Supply of Equipments and materials	
1.1	TOTAL of Ex-Works / Basic Price	
1.2	TOTAL Excise Duty	
1.3	TOTAL VAT	
1.4	TOTAL CST	
1.5	TOTAL Any other tax	
1.6	TOTAL F&I CHARGES	
Σ 1.1 :1.6	Total of Substation_Supply	0.00
2.0	Transmission Line_Supply of Equipments and materials	
2.1	TOTAL of Ex-Works / Basic Price	
2.2	TOTAL Excise Duty	
2.3	TOTAL VAT	
2.4	TOTAL CST	
2.5	TOTAL Any other tax	
2.6	TOTAL F&I CHARGES	
Σ 2.1 :2.6	Total of Transmission Line_Supply	0.00
3.0	Mandatory spares_Supply	
3.1	TOTAL of Ex-Works / Basic Price	
3.2	TOTAL Excise Duty	
3.3	TOTAL VAT	
3.4	TOTAL CST	
3.5	TOTAL Any other tax	
3.6	TOTAL F&I CHARGES	
Σ 3.1 :3.6	Total of Mandatory spares_Supply	0.00
4.0	Total of Schedule 2A _ Supply contract price	0.00
5.0	Substation_ (Electrical work charges, Civil work charges)	
5.1	Electrical works	
5.2	Civil works	
Σ 5.1 :5.2	Total of Substation_Electrical work charges & Civil works charges	0.00
6.0	Transmission Line_(Electrical work charges, Civil work charges)	
6.1	Electrical works	
6.2	Civil works	
Σ 6.1 :6.2	Total of Transmission Line_Electrical work charges & Civil works charges	0.00
7.0	Total of Schedule 2C _ Erection contract price	0.00
8.0	Total Bid Price (Supply + Erection)	0.00

	ODISHA POWER TRA	ANSMISSION CORPORATION LIMITED		
NAME OF	THE WORK:-Construction of 2X20 MVA,132/33 KV S/s at GHENS in Baragarh district	t with associated 132 KV DC Transmission Line from proposed 220/1 28.872Kms.)	32/33 KV Baragarh Gr	id S/s. (App. Line Length:
	NOTICE INVIT	ΓING TENDER-NIT NO. 67/2014-15		
	Sr. G.M- CPC- TENDER- G	HENS(BARAGARH)- PACKAGE- 67(I) / 2014-15		
	SCHDULE 1 (PART-II) (D1,	D2,E,F,G) - DETAILS OF TAXES AND DUTIES		
	NAME OF THE BIDDER	₹		
SI No	Description of Applicable Tax/Levy	Item /Component Sl. No. of Bid price on which Applicable	Tax @%	Total Amount of Taxes /Duty/ Levies
D1	Details of Taxes and levies on the direct transactions between Bidder and ODISHA POWER TRANSMISSION CORPORATION LTD. applicable on the date of bid opening, not included in the Bid Price above but as may be payable by ODISHA POWER TRANSMISSION CORPORATION LTD			
(i)	Excise Duty [as per Schedule-2A]			
(ii)	CST [as per Schedule-2A]			
(III)	VAT/Sales Tax [as per Schedule-2A]			
(iv)	Any other Levies: [as per Schedule-2A] except Entry Tax** (please specify): Central :			
(a)				
(b)				
	TOTAL OF TAXES AND DUTIES [Sum (i) to (iv)			0.00
D2	Service Tax***			
E	E. Applicable Entry tax payable if any additionally in respect of bought-out finished items which shall be dispatched directly from our sub-vendor's works to Employer's site (sale-in-transit).			

F. Total Bid Price: (including Taxes & Duties and other levies, but excluding entry tax and service tax, if the contract is awarded to us)

G. The total bid price as summarised herein is derived from Schedule 2A,2B, 2C and 3, However, in the event of a difference in prices between schedule-2A,2B,2C & 3 and Schedule-1, the total price, derived from the quoted unit price in Schedule 2A,2B,2C and 3 after arithmetical corrections if any, shall prevail and the quoted total bid price

G

*List of the items and their values considered under this component of bid price for taxes and levies to be enclosed by separately as annexure to this Schedule

**Entry Tax for all direct items shall not be included in the bid price, as the same shall be reimbursed at actual on the production of documentary evidence

**Service Tax on Erection price shall not be included in the bid price, as the same shall be reimbursed at actual on the production of documentary evidence.

**NOTE:- Lumpsum prices quoted by the Bidder shall include cost of total scope of work and any other supplies/work(s) not specifically mentioned in the Bidding Document but necessary for the efficient, trouble free

i) Excise Duty/VAT/Sales Tax/Service Tax/ any other taxes (except Octrol & Entry Tax) shall be inclusive in the bid price and shall not be paid/reimbursed separately.

ii) Entry Tax for bought out items shall not be included in the bid price, as the same shall be reimbursed at actual on the production of documentary evidence.