										ODISH	A POWER TRANSM	AISSION CORP	DRATION LIM	ITED			
	PACKAGE 67(III)/201-	4-15					N	une of the Work-Cons	traction of 132KV SC L		233 KV, Kesinga Grid S/s s	o 132/33 KV, Junagarh	Gold Six with 132KV		at both S's cods.(App. Line	Length: 52.794Kms.)	
										MDD	NOTE INVITES  OCUMENT No. Se. G M	CPC-TENDER-PACE		-15			
	SUPPLY_SURVATION EQUIPMENTMATERIALS		NAME	OF THE BEDDER					PART-4 SCHIII	DULE-2A (FOR SUBST)	CTION (Equipment Materia	ds Supply Price Break-s	up of Ex-works Prices	against PACKAGE	: 67(III)/2004-15		
S. No.	DESCRIPTION OF ITEMS SUPPLY OF FOLLOWING EQUIPMENTS	UNITS	Quantity for: construction of 1	Quantity for: Construction of	Total Quantity	Unit Ex-Works Price IN INR	Total Ex-Works Price IN INR	Unit F&I Charges IN INR	Total F&I Charges IN INR	Mode of Transaction (Direct or Bought-out	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 FORD Price IN INR
	(An per Technical Specification)		construction of 1 no. 132 kV feeder hay Exts. at 132/33kV Keelaga SS	Censtruction of Ino.132Kv Fdr. Bay Extr. at 132/33KV Sub- Station at Junagarh SS						hem)							
1	2 145 KV,800-400-200 A,31.5 KA,4COBE SINGLE PHASE CURRENT TRANSPORMER	3 NOS	4 3	5	6	7.00	8:7X6	9.00	10:9X6 0.00	- 11	12	13	14	15	16: 12+13+14+15 0.00	17:7+9+12+13+14+15 0.00	18:17X6 0.00
2 2.1 2.2	145 KV, 1200A,31 SKA ISOLATORS SAI WITH OUT EARTH SWITCH DAI WITH SINGLE EARTH SWITCH	NOS			2		0.00		0.00						0.00	0.00	0.00
3		NOS NOS	3	3	6		0.00		0.00						0.00	0.00	0.00
6	ICS KY Bus Post Insulton: 145KV, H59A, 496KA, SPA, CIRCUIT BREAKER WITH SUPPORTING STRUCTURE BUS BAR & CIRCUIT MATERIALS	NOS	1	1	2		0.00		00.0						0.00	0.00	0.00
7.1.1	BIOS BAR & CIRCUIT SACTIBLES. TINSSON & SUSPINSSON ANTI FOG TYPE INSULATOR STRING 120 EN ANTIFOG INSULATOR STRINGS for Deathe Masse cond (TINSSON)-132 KV	SET	6	6	12		0.00		0.00						0.00	0.00	0.00
7.1.2	120 IN ANTHOG INSULATOR STRINGS for Single Moone cond (TENSION)-132 KV 90 IN ANTHOG INSULATOR STRINGS for Double/ Single Masse cond (	SET	12	12	24		0.00		0.00						0.00	0.00	0.00
7.1.3	SUSPENSIONS LTD KV ACSR MOOSE CONDUCTOR	KMS LOT	9 0.5	0.5	15 1 2		0.00		0.00						0.00	0.00	0.00
7.4	HARDWARES & PITTINGS SPACERS \$\(\)CLAMP & CONNECTORS  EARTHING SPIKE & IT'S FITTING to be fluid on the Tower column as per OPTCL standard(\$0 NB Heavy Gauge 7 mm long GI pipe & accessories & 2 Nos 65 NB 50	SETS	3	3	6		0.00		0.00						0.00	0.00	0.00
7.5.1	SUBSTATION EARTHING SYSTEMS EARTHING CONDUCTOR FOR BURELAL: 25X10 mm Gl Fbs for hying (spacing	MTRS	700	700	1400		0.00		0.00						0.00	0.00	0.00
7.5.2	Instrings for host near 1  EARTHING CONDECTOR: 50X6 mm GI Flat for Raiser from the burial earth mas to employment structure oxid  EARTHING CONDECT ASSOCIATED ACCESSORIES (50 mm heavy day GI PERFORATED PPE 3 mm long for treated earth pix)	MTRS	450 25	450 25	900		0.00		0.00						0.00	0.00	0.00
7.5.4	EARTHING DINNET, & ASSOCIATED ACCESSORIES. 40mm MS and 3 mm long for non- numed earth pit).  G1 Cable Trays including support G1 angle suitable for different sections (a. Section:1-1,2-2,3- 3 & 4-4 along with its accessories in complete daps as por TS.	MTRS	25	25	50		0.00		0.00						0.00	0.00	0.00
7.5.5		MTRS	80	80	160		0.00		0.00						0.00	0.00	0.00
7.5.5.2	Section 3-2 Section 3-3	MTRS MTRS	70 50 2	70 50 2	140 100 4		0.00		00.0 00.0						0.00 0.00	0.00 0.00 0.00	0.00 0.00
7.6	SUB STATION SWITCHYARD BMK, AC CONSOLE & OTHER MARSHALLING BOXES  BAY MARSHALLING KIDSE #1 As 112 for box )	NOS	-		2		0.00		0.00						0.00	0.00	0.00
7.6.3 8	CT & CYT Out Digg County Blows SWITCH YARD STRUCTURES (LATIKE: TYPE) FOR 22013233 KY CLASS INCLEDING POINGAITOR BOLTS & NUTS. DIFFERENT TYPES OF COLUMNS WITH DETAILS	NOS	2	2	1		0.00		0.00						6.00	0.00	0.00
K1.1	118 - 132 KV(NOMBOG, UNIT W1 - 1,2 M1)	NOS NOS	2 1	2	4 2												
8.2 8.2.1 8.2.2 8.3	G1 - 132 KV(NOMINAL UNIT WT- 0.62 MT) G2 - 132 KV(NOMINAL UNIT WT- 0.91 MT) TOTAL WEIGHT OF COLUMN & BEAM	NOS NOS MT	2 2 641	2 2 6.41	4 4 12.82		0.00		0.00						0.00	0.00	0.00
8.4.1 8.4.3	CTS-132 KV	SET	2 3	2 3	4												
8.4.5 8.4.5 8.4.9	CVTS-132 EV Surp Armete-132 EV Whre Tun-132 EV	SET SET SET	3 3 2	3 3 2	6												
8.4.30 8.5 8.6		MT MT	5.382 1	5.382 1	10.764		0.00		0.00						0.00	0.00	0.00
	TOTAL WHIGHT OF EQUIPMENT STRUCTURE TEAST World of SIA MASS and Bolts for the above structure GINERAL HOLTERINE'S AS HISTATION ACCESSORIES POWNE CARLES, LIKE-PYCKLPF, ARMOURID, ALEMINIUM CONDUCTOR (As ARS SEGSIOLISM)  PUL 3.5 CASS max <sup>2</sup>	MTRS	250	250	500		0.00		0.00						0.00	0.00	0.00
9.1.4 9.1.5 9.2	PVC 4 CK 6 mm <sup>2</sup> PVC 2CK 6 mm <sup>2</sup> CONTROL CABLES, L1 KV, PVC, STRANDED COPPER(As per specification)	MTRS	250 200	250 200	500 400		0.00		00.0						0.00	0.00	0.00
9.2.1	2CX 25 mm2 4 CX 25 mm <sup>2</sup>	MTRS	500 2500	500 2500	1000 5000		0.00		00.0						0.00	0.00	0.00
9.2.3	5 CX 2.5 mm <sup>2</sup>	MTRS MTRS	500 500 1000	500 500 1000	1000 1000 2000		0.00		00.0 00.0 00.0						0.00 0.00 0.00	0.00 0.00	0.00 0.00
9.2.6	12 CX 2.5 mm <sup>2</sup> ACCESSORIES FOR PLCC SYSTEM AS PER TECHNICAL SPECIFICATION	MTRS	1000	1000	2000		0.00		0.00						0.00	0.00	0.00
10.1	132 EV Line Trap for Pederal mounting with complete accessories (1200A, 0.5 mH, (90-500kHZ),bsc::31.5kA compatible to EEC 353 specifications LINE MATCHING UNIT & LINE MATCHING DISTRIBUTION UNIT	NOS	2	2	4		0.00		0.00						0.00	0.00	0.00
10.2	LINE MATCHING UNIT & LINE MATCHING DISTRIBUTION UNIT  12.5 mm OD amound Co-axial Cable; Impedance: 75 ohms, Insulation Resistance: 100 Meg. Ohms Dielectric strength: 5 kV, Signal amountsin: 6 dB 90M (Max) at 500 kHz	MTRS	500	500	2		0.00		0.00						0.00	0.00	0.00
	4 PAR NON ARMOURID TELEPHONE CABLES	MTRS	300	100	200		0.00		0.00						0.00	0.00	0.00
- 11	SUB STATION LIGHTING (AS PER SPECIFICATION AND APPROVED DRAWINGS )/Switch yard and other street area)																
11.1	SUB-STATION SWITCH YARD LIGHTING, 159 Was Flood lighting, IT INCLEDES SEPPLY OF FIXTURES & LAMPS (IED) of repeat make (Philo-CGL/liqsi) with recitic georgic Conduction sci. [githing fixtures are so be fixed registly on the Column at a nativalle height so that the required far can be maintained).	NOS	6	6	12		0.00		0.00						0.00	0.00	0.00
12	PROTECTION, CONTROL METERING, EVENT LOGGERBUS BAR PROTECTION FAN DRILLY WASHE AT THE ACRES THE HERRY.  LEE BY SIDE.																
1.3	ISE NY SIDE  HEDRIE CONTROL & BELAY PANEL/Darks tree)  AC & DC SYSTEM  AC SYSTEM	NOS	- 1	- 1	2		0.00		0.00						0.00	0.00	0.00
13.1.1	INDOOR RECIPTACLE BOARD BIST QUALITY EAPPROVED MAKE RUBBER MAT TO BE KEPT INFRONT OF ALL TOTAL OF SUBSTATION-2A (PART-I)	SET Nos.	2	2	4		0.00		00.0						0.00	0.00	0.00
S. No.	SUPPLY_TRANSMISSION LINE EQUIPMENTMATERIALS													for other tree			
1	SUPPLY OF TOLLOWING EXPERIMENTS (As par Technical Specification)	3			TOTAL  QUANTITY for construction of 132KV SC Transmission line on DC tower from 132/33KV saing a Grid Sh to proposed 132/33KV JunegerhGrid Sh (APPROXLENG TH 52-794 kms.)	Unit Es-Warks Price IN INR	Total Et-Works Price IN INR	Unit F&I Charges N NR	Total F&I Charges N NIR	Mode of Transaction (Direct or Bough-out item)	Unit Excise duty N NR	Unit VAT IN INSP	Unit CST in INR	Any other tax IN INF	Total Total and duties. N NR  14a-4X(10+1+12+12)	Unit PORD Price N NR  15:05-7+10+11+12+13	TOTAL FORD Price IN INF
1	DIPTA' of Following type leated Lattice. Ryse Galorinad steel targent / Angle lower with studs and clean, offerent type of California Sobits, washer spring washer for the lowers Aungre and all accessories, lower super structure complete including lates. Doply of stude biomicrosa genie for the case one pa is happed of Sobitm above the cooping/stude to biomicrosa genie for the cooping/stude to biomicros generates. All Supply should confirm to the Technical Specification.																
1.1		Nos.			147												
1.1.2 1.2 1.2.1	PC TYPE (60 deg ANGLE ) TOWERS (Nominal unit weight 6.214 MT)	Nos. Nos. Nos.			10 26 3 12												
1.3.2	45 EXTENSION (Nominal unit weight 2.342 MT) UR TYPE TOWERS (Nominal unit weight 13.585 MT)	Nos. Nos. Nos.			1 1												
1.4.1 1.5 1.5.1 1.5.2	46 EXTENSION (Nominal unit weight 4.249 MT) TEMPLATES PA (Nominal unit weight 0.665 MT) PB (Nominal unit weight 0.662 MT)	Nos. Nos.			15												
1.5.3	pro increment and waters 0,000,001.  UR (Nominal unit weight) 0,004 MT)  UR (Nominal unit weight) 1,000 MT)  WEIGHT OF THE STRUCTURES (including Tower stubs, Templates & Foundation Not used Robb).	Nos. Nos. MT			2 1 947.47		0.00		0.00						0.00	0.00	0.00
1.5	Note and Richel. Weight of different hope GLINuts and Bobs Supply of the following tower accessories as per technical specification and as directed by the engineer in charge.	MT			42.00		0.00		0.00						0.00	0.00	0.00
2.1	EARTHING DEVICE DANGER BOARD	Nos.			195 195		0.00		0.00						0.00	0.00	0.00
2.3	NUMBER PLATE	Nos. Nos. Nos.			195 585 585		0.00		0.00						0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00
2.7	PMOSE VAXE SIND GRAVES SIND GRAVES SIND GRAVES SUBJECT FALSE Supply of hollowing POWER CONDUCTORS in the proposed 132 NV lines with provision for any and wastage as per the technical specification and as per the stancetion of the engineer in change. ACM Parallel CATOR Cents  AC	Nos.			195		0.00		0.00						0.00	0.00	0.00
3.1 4.0 4.1	Instruction of the engineer in charge. ACSR Parther (3073) orani POWER CONDUCTOR ACESSORIES For ACSR PARTHER	Kms.			160.76		0.00		0.00						0.00	0.00	0.00
4.1.1	VERATION DAMPER MD SPAN JONT Recoir Sherve	Nos. Nos. Nos.			1170 160 160		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
5.0	Supply of the GI earth wire of size 7/3.15 mm as per the technical	Kms.			54.19		0.00		0.00						0.00	0.00	0.00
	Footness in charge EARTH CONDUCTOR ACESSORIES VERNATION DAMPER FLEXIBLE EARTH ECOND SISTEMATOR CLAMP	Nos. Nos.			390 96 147		0.00		0.00						0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00
6.4	TENSON CLAMP MD SPAN KONT	Nos. Nos. Nos.			95 54 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
7.0 7.1	Recoit Sterve Supply of the following Anti fog type disc insulators as per the technical sacetfloation and as per the instruction of the Engineer in chance.  20 KN Insulator 1200N Insulator	Nos.			4170 6804		0.00		0.00						0.00	0.00	0.00
8.0	25.50 Parties Stoppy of the St						3.00										300
8.1.1 8.1.2 8.1.3	Sincle auspension Hard wares fittings /AGS type) suitable for 90 KN insulator.  Double auspersion Hard wares fittings /AGS type) suitable for 90 KN insulator.  Sincle tension Hard wares fittings suitable for 120 KN insulator.	Nos. Nos. Nos.			441 0 252		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
8.1.6	Provide laminin Hard wases littlines solishis for 130 MN insulator  10° Shapikis  TOTAL (Part-III-2A-LINE	Nos. Nos. Nos.			36 126 441		0.00		0.00						0.00	0.00 0.00	0.00
	TOTAL OF SUPPLY PRICE_SCHEDULE 2A																0.00
Note:	Before filling up rate/amount etc. in the schedules bidders are requested to read carefully Bidders are required to fill un amount in all column arcons should morion	y the instr	action given in Vol	I of Bidding Docum	west.									•			

ODISHA PO	OWER TRANSMISS	ION CORPORAT	ION LIMITEI

Name of the Work: Construction of 12RV SC Line on DC tower from 12/21 KV, Kessing Grid Sv to 12/21 KV, Inaugush Grid Sv with 12KV freder bay extension at both Sv ends (App. Line Length: 52/794Kms) NOTICE INVITING TENDER-NIT NO. 67/2014-15

## BID DOCUMENT No.:Sr. G.M- CPC- TENDER- PACKAGE- 67(III)/2014-15

						SCHEDULE-2C (Erection of Equipment/N	laterials Price Break-up against PACKAGE: 67(III)/2014-15	
		NAME OF THE BIDDER						
			TAME OF THE	LODOLK				
	ERECTION _ SUBSTATION EQUIPMENTS / MATERIALS							
SINo	ERECTION, TESTING & COMMISSIONING INCLUDING CIVIL WORKS OF FOLLOWING EQUIPMENTS ALONG WITH CIVIL WORKS (As per Technical Specification)	UNITS	Quantity for: construction of 1 no. 132 kV feeder bay	Quantity for:	Total Quantity	Unit Erection Rate IN INR	Total Erection Price IN INR	
	CIVIL WORKS (As per Lecrinical Specification)		of 1 no. 132 kV feeder bay Extn. at 132/33kV Kesinga SS	Ino. 132Kv Fdr. Bay Extn. at 132/33KV Sub-		IN INR	IN INK	
				Station at Junagarh SS				
PART A		3	4	5	6	7	8=6X7	
1.0	ERECTION OF SUPERSTRUCTURE: Supply of labour, T&P and other necessary arrangements for erection of Columns, Beams, Equipments supporting structures &	MT	14	14	28		0.00	
20	Nuts and Boits ERECTION OF EQUIPMENTS	MI	14	14	28		0.00	
2.0	Supply of all labour, T&P and Transportation from the site store, erections as per specification and testing commissioning etc as per the instruction of the Engineer-in-charge.							
	145 KV_(Different Ratio),31.5KA,4CORE SINGLE PHASE CURRENT TRANSFORMER	NOS	3	3	6		0.00	
2.1.1 2.1.2 '2.1.2.1	145 KY_UDITERENT RIBO),31.5KR, COME SINGLE PRIASE CURRENT TRANSPORMER 145 KY_1200A_31.5KA_SOLATORS SI WITH OUT EARTH SWITCH	NOS	3	4			0.00	
2.1.2.2	DI WITH SINGLE EARTH SWITCH  146 KV.44006-3CORE SINGLE PHASE CAPACITOR VOLTAGE TRANSFORMER	NOS NOS	1 2	1 2	2		0.00	
2.1.4	120 KV METAL OXIDE SURGE ARRESTOR, 10 KA, Class III	NOS	3	3	6		0.00	
2.1.5	132 KV Bus Post Insulators  145KV,3150A,40KA,SF6,CIRCUIT BREAKER WITH SUPPORTING STRUCTURE	NOS NOS	1	1	4 2		0.00	
3.0	BUS-BAR STRINGING Supply of Jahour TAP and other necessary arrangements for stringing of his har conductors holisting of single or double							
	Supply of labour,T&P 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, Leating, commissioning etc. as per the instruction of Engineer-in charge.							
3.1.1 3.1.2	Single conductor Twin Conductor	Mtr. Mtr.	350	350 150	700 300		0.00	
4.0		MU.	150	100	300		0.00	
4.1	SUB-SIATION EARTHMAY  SOuthern carbon from the property supply inclaims of common protection resource of any jurying of earthmate Southern carbon from the property supply inclaims of common protection resource of any jurying of earthmate Southern from a supplied of Physical Resigns or seasons, subrigging application of late could be Physical Resigns of the southern of lates of the country of the resource of protect conductors along with interest of these Southern of lates of the southern o							
4.1.1	done as per the practice and as indicated in the drawing for different equipments. This is as per approved drawing and specification. 75x10.MM GFLAT	MTRS	700	700	1400		0.00	
4.1.1 4.1.2 4.1.3	50x5 MM GI FLAT  40 MM MS ROD FOR NON-TREATED EARTH PIT ELECTORDE	MTRS NOS	450 25	450 25	900		0.00 0.00	
4.1.4	50MM GLPIPE FOR TREATED EARTH PIT ELECTRORDE WITH CHAMBER AND COVER	NOS	25	25	50		0.00	
4.1.5.1	Fixing G.I Cable Trays including fixing of Link-plate & with supply of all labour and T.&.P. etc. suitable for different sections i.e. Section:1-1.2-2.3-3 & 4-4 along with its accessories as cer T.S. Section:1-1	Mtrs	80	80	160		0.00	
4.1.5.2	Section 2- 2 Section 3-3	Mtrs Mtrs	70 50	70 50	140 100		0.00 0.00	
'4.1.5.4 5.0		Mtrs	2	2	4		0.00	
	Compared From and Control Cable Installing State of the Hamman Connection in this explanation and control careful was supported and loved by Enginetic uniform connection speak from the compared to a fine speak of the State							
5.1	rench Cable scheduled and cable disoram to be prepared by the contractor  POWER CABLES.1.1KV.XLPE.ARMOURED.ALUMINUM CONDUCTOR (As per Specification)							
5.1.5	PVC 3.5 CX35 mm²	MTRS	250	250	500		0.00	
5.1.7 5.1.8	PVC 4 CX 6 mm <sup>2</sup> PVC 2CX 6 mm <sup>2</sup>	MTRS MTRS	250 200	250 200	500 400		0.00	
5.2 5.2.1	CONTROL CABLES. 1.1 KV. PVC. STRANDED COPPER(As per specification) 2 CX 2.5 mm2	MTRS	500	500	1000		0.00	
5.2.2 5.2.3	4 CX 2.5 mm2 5 CX 2.5 mm2	MTRS MTRS	2500 500	2500 500	5000 1000		0.00	
5.2.4 5.2.5	7CX 2.5 mm2 10 CX 2.5 mm2	MTRS MTRS	500 1000	500 1000	1000 2000		0.00 0.00	
5.2.6 6.0	12 CX 2.5 mm2 ACCESSORIES FOR PLCC SYSTEM AS PER TECHNICAL SPECIFICATION)	MTRS	1000	1000	2000		0.00	
'6.1	132 kV Line Trap for Pedestal mounting with complete accessories :800A, 0.5 mH, (90-500kHZ), Isc=31.5kA compatible to IEC 353 specifications	NOS	2	2	4		0.00	
6.2	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 MATCHING DISTRIBUTION UNIT	SET	1	1	2		0.00	
'6.3	INALCHING DISTRIBUTION UNIT 12.5 mm OD armoured Co-avail Cable; Impedance: 75 ohms, Insulation Resistance: 100 Meg Ohms Dielectric strength: 5 kV. Signal attenuation: 6 dBkM (Max) at 500 kHz	MTRS	500	500	1000		0.00	
'6.4	4 PAIR NON ARMOURED TELEPHONE CABLES	MTRS	100	100	200		0.00	
'6.5	2 WIRE TELEPHONE SET	NO	4	4	8		0.00	
7.1	SUB STATION SWITCYARD BMK,AC CONSOLE & OTHER MARSHALLING BOXES RAY MARSHALLING KIOSK CT & CVT Out Door Console Boxes	NOS	1	1	2		0.00	
8	SUB STATION LIGHTING(AS PER SPECIFICATION AND APPROVED DRAWINGS)	NUS	2	2	4		0.00	
8.1	Switch yeard lighting: Design, engineering, procurement of labour, material including all associated works for construction of such yeard lighting: Design, aper technical septicitions and approved demaley. The filters was table to of reputed medium of procured changes, the filters was table to of reputed medium of procured procured and procured procured control of procured procured and private great scale to the filters. The capacity of such filters are to be designed and to be associationed.	NOS	6	6	12		0.00	
9	PROTECTION, CONTROL METERING, EVENT LOGGER, BUS BAR PROTN PAN, COMM PAN, RELAY TOOL KITS AS PER TECH SPEC AND BOQ FOR PCM (ANNEXURE-III-E-BOQ-PCM)							
	AND WARDS							
9.1 9.1.1 10	132 KV SDE FEEDER CONTROL & RELAY PANEL(Duplex type) AC & DC SYSTEM	NOS	1	1	2		0.00	
10.1 10.1.1	AC SYSTEM INDOOR RECEPTAGLE BOARD	SET	1	1	2		0.00	
	COLOUR COUNT, BELLET FLUCE SUMMON.  COLOUR COUNT, BAY MARKING Etc. Design, engineering, procurement of labour, material including all associated works for the followings. This should be as per direction of site in charge, all Color coding (red.) Yellow & Blue) for equipments, Blue garnly abouting or entire switch years, Good quality weather proof sticker may be used for identification.							
11.0	bleach bay should be identified with the help of bay marker sign board, satiably grouted. MS sign board with stand to be installed. Proper painting and lettering to be done of the entire switch yard area. ERECTION OF PLCC EQUIPMENT SUPPLIED BY OWNER INCLUDING DISMANTLING FROM EXISTING	SET	1	1	2		0.00	
12	SUBSTATION ( AS PER THE DETAILS SLD GIVEN IN TS) AND TRANSPORTATION AS REQUIRED	SET	1	1	2		0.00	
13.0	BEST QUALITY & APPROVED MAKE RUBBER MAT TO BE KEPT INFRONT OF ALL PANELS, BOARDS ETC. (Size 1000mm x 3000mm x 12mm)	NOS	2	2	4		0.00	
	TOTAL OF ELECTRICAL WORKS (A)						0.00	
							2.00	
PART B	CIVIL WORKS							
14 14.1	CONTOUR SURVEY AND LEVELING. BACK FILING Contour survey and furnishing contour map including supply of all materials, Labour and T&P	SQ.MTRS.	600	600	1200		0.00	
4	Soil investigation: Supply of labour,T&Pand other necessary arrangements for Soil investigation/testing of the	DED COUR					0.77	
14.2	Charge.	PER POINT	1	1	2		0.00	
15	Cutting, Filling and Leveling of Sub-station area including supply of labour and T&P							
15.1	EVELLING OF \$5 AREA-Provider, nearly descript up and weeting of substance was including satisfying date to a majeral level as discholory the Eugener in Dirag, the wider holder service cleancy of the exister level near substance, trees, bookes, sproofing of patter and disposal of surplus each and unables material from the site by means of any part of the service of the part approved entering and specification. These shoundess execution halps or solor or force, but filling and disposal of excess carrier or locks to make the area to a level for construction as per scope and as per approved dawing and specification.							
15.1.2	CUTTING of substation area Softlinose soil FILLING of substation area with borrowed earth with supply of all labour. T.&.P.	CUM	300	300	600		0.00	
15.2								
15.2.1 16	Beyond 100mir load Anti-Weed Treatment	CUM	100	100	200		0.00	
16.1	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	450	450	900		0.00	
	Excavation for OPEN CAST foundation and back filling of columns, Equipments foundations, including supply of							
17	all labours,T&P,and materials and as per the direction of the Engineer-in-Charge.  Soft Solit.core Soil.	CUM	200	200	400		0.00	
'17.2 '17.3	Hard Soil.	CUM	150	130	280		0.00	
	Soft/Disintegrated Rock( not Requiring Blasting)  Hard Rock (Requiring Blasting/Using Rock Breaker Machinery)	CUM	100	100 50	200		0.00	
	OPEN CAST/SHALLOW FOUNDATION CONCRETE WORKS							

PACKAGE 67(III)/2014-15

	Foundations: Design, engineering, supply of all labour, material and construction(open cast foundation) of PCC, RCC						
18.1	Foundations: Design, engineering, supply of all labour, material and construction(poen cast foundation) of P.CC. RCCD toolings of any depth, pedestal including the cost of soil investigation, concerting, corrent, restorement steel Feb., shuttering, grouting, underprinning and back filling of foundations etc complete for the switchyard gardry portal /column structures and explament support as one free febrolical association and approved drawings. A disoposal of excess each restoration and supported drawings & disoposal of excess each restoration.						
18.1.1	per the direction of Engineer in charge. PCC(1:3:6)	CUM	16	16	32		0.00
18.1.2	(RCC) MIX.1:1.5:3 (of grade M20) Design, engineering, and construction of RCC(1:1.5:3) cable trenches and all associated works for cable trench crossings to the required depths, precast RCC covers(1:1.5:3), water stops, brickwork with plastering wherever required including the	CUM	85	85	170		0.00
	supply of labour,material, cement, reinforcement steel, formwork, steel angles (G.I), flats (G.I) and providing PCC (1:3:6) below cable trenches as per technical specifications and approved drawings and as per direction of the Project Manager. This also						
19	includes excavation in all types of soil or mocks.backfilling and disposal of excess earth as per the direction of Engineer in charge. The cabit true support frame shall be per fabricated Gi langle as per requirement and to be welled with the plate fixed on the tench wall for better rigidily. The plate (6mm) fixed on the wall are also to be welled with the MS rods provided for the tench wall before concreting.						
19.1	NCLUDING STANDARD SUPORT.  Cable trench with covers						
19.1.1 19.1.2	Section 1-1 Section 2-2	Mtrs Mtrs	25 20	25 20	50 40		0.00 0.00
19.1.3 19.1.4	Section 3-3 Section 4-3 Section 4-5 Sectio	Mtrs Mtrs	20	20 20	40		0.00 0.00
19.2	Cable trench crossing/Design,engineering.construction including supply of labour, materials, cement, reinforcement steel, form box etc.and all associated works for construction of trench crossing as per technical specification and approved drawing.						
19.2.1 19.2.2	Section 2-2 Section 3-3 PCC before site surfacing :Providing and supplying all labour, material, equipments etc. required for proper leveling of	Nos	1	1	2 2		0.00 0.00
	earth after erection of structures and equipments and proper comparation by using roller of adequate capacity/minimum 3 Ton capacity), with values sprikingl of solution yand area. After proper levelling of the switch yard area (after arti-weed treatment), spreading of plain cement concert with mixing ratio 14.8 (M10) and maintaining proper spixing for easy discharge of stories where having concert thickness of 75 mm. Including rolling, diseasing, comparing the area. As per behavioral specification where having concert thickness of 75 mm. Including rolling, diseasing, comparing the area. As per behavioral specification						
20	water having concrete thickness of 75 mm. including rolling , dressing, compacting the area. As per technical specification and proved drawing, and as per the instruction of the Engain-Charge, This also includes excavation in all types of soil or rocks, backfilling and disposal of excess earths a per the direction of Engineer in charge and approved drawing.	CUM	30	30	60		0.00
	rocks,backfilling,and disposal of excess earth as per the direction of Engineer In charge and approved drawing.  METAL SPREADING IN THE SWITCH-YARD						
21	Providing supplying and laying two layers of machine crushed metals (gravel) fill, the first layer after compaction shall make minimum 50 mm thickness coarse/ layer of 20 mm nominal size consolidated/ compacted and (by using roller as specified in						
21.1	minimum to min information consists super in a minimum state controllation compacted and by userly reset as specimen in the specification). A final layer of 50 mm thickness of machine crushed 20 mm normal size of metallicignosis above the first layer of 50 mm thickness and as per the technical specification and instruction of Engineer in charge above the PCCL14.8), The total compacted thickness of the metals(20 mm Normial) 100mm above the PCC.	CUM	35	35	70		0.00
22	Roads: Design, construction of roads and walloways' shoulders within sub-station as per specification, layout and approved drawings complete. This also includes excavation in all types of soil or rocks backfilling and deposal of excess earth as per the direction of lengineer in charge. Provision of drains on both the side of the roads for easy discharge of rain water.						
22.1	7 mtrs concrete road with shoulder at both the side as per technical specification indicated in the civil section(from the switch yard main gate to all internal roads of the switch yard). Shall have drain on both side of the road.	MTRS	20	20	40		0.00
	Switchward fencing: Providing and fiving of C.I. chain link/2.5mm disk fencing the pasts and links shall be of MD.						
23	carrainsed in its analysis and once aleas on the substantion with a total rence length complete as per speculication and approved drawings, and as required under the safety regulation of local, state and central government bodies and as per instruction of the Engineer-in-Charge.(The PCC work for grouting the post shall be 1:2-4 and a continuous RR masonary	MTRS	55	55	110		0.00
	Galamines() in such yard and other areas of the substation with a total focus height complete as per specification and approved dawning, and sergularid under the subtle regulation of bool, state and centering generated the specification and approved dawning, and sergularity dawning the PCC work for growing the post shall be 1:24 and a continuous RR massions with what is 1.5 and committees of principle for post principle for post and be 1:24 and a continuous RR massions with what is 1.5 and comerce pointing of the principle for post height of 300 min to the finished ground level. This also includes excession in all types of sold or rocks. Jackfilling and disposal of excess earth as per the direction of Engineer in charges. The earthing of the foreign per properly continuous per properly c						
	Any other civil work to be included in the schedule by the Bidder if required essential for successful completion of project, including supply of labour, material, cement reinforcement steel, form work etc. Bidder shall also quote the unit rate for the						
24	following items of works.(Rate shall be inclusive of supply of labour, material, cement, reinforcement steel, form work etc.)						
24.1	Excavation. This also includes excavation in all types of soil or rocks,backfilling,and disposal of excess earth as per the direction of Engineer In charge.	CUM	0	0	0		0.00
24.2 24.3	PCC1:4:8 PCC 1:3:6	CUM	0	0	0		0.00 0.00
24.4	RCC M 15	CUM	0	0	0		0.00
24.5	RCC M 20  Brick masonry work in cement sand mortar 1: 6 with bricks of class designation 150KG/SQ.MTR.	CUM	0	0	0		0.00
24.7	12 mm thick plaster in cement sand mortar (1:6).	SQ. MTRS.	0	0	0		0.00
24.8	Supply.Cutting.bending and fixing of reinforcement.	MT	0	0	0		0.00
	TOTAL OF CIVIL WORKS (B)  GRAND TOTAL S/S BAY EXTN ( ELECTRICAL WORKS + CIVIL WORKS) (A+B)						0.00 0.00
f	ERECTION_TRANSMISSION LINE EQUIPMENTS / MATERIALS  DESCRIPTION OF ITEMS				TOTAL QUANTITY		
S. No.	DESCRIPTION OF FELDOWING EQUIPMENTS ALONG WITH CIVIL WORKS (As per Technical Specification)				for construction of 132KV SC		
		UNITS			Transmission line on DC tower from 132/33kVKesinga	Unit Erection Rate IN INR	Total Erection Price IN INR
	,	3			Grid S/s to	5	6=4x5
PART A	ELECTRICAL WORKS  ERECTION, TESTING & COMMISSIONING of tested Lattice type Galvanized steel tangent / Angle tower super structures						
1.1	PA TYPE (SUSPENSION ) TOWERS (Nominal unit weight 3.430 MT)	Nos.			147		
1.1.1	+3 EXTENSION (Nominal unit weight 0.537 MT)	Nos.			19		
1.1.1 1.1.2 1.2 1.2.1	+s EXTENSION (Nominal unit weicht 0.537 MT) +6 EXTENSION (Nominal unit weicht 1.349 MT) PBTYPE (30 deg ANGLE ) TOWERS (Nominal unit weight 4.973 MT)	Nos. Nos. Nos. Nos.			19 10 26 3		
1.1.1 1.1.2 1.2 1.2.1 1.3 1.3.1	-3 EXTENSON Roomai unit weich 0.57 MT) -46 EXTENSON Roomai unit weich 1.57 MT) -BRITPE 0.3 de qu'Atol, 1 TOMERS Roomai unit weich 1.4973 MT) -BRITPE 0.3 de qu'Atol, 1 TOMERS Roomai unit weigh 4.973 MT) -SEXTENSON Roomai unit weich 1 TOMEN 1 MT) -FC TYPE (6.0 de qu'Atol, 1 TOMERS Roomai unit weigh 6.214 MT) -SEXTENSON Roomai unit weich 1 TOMEN 1 MT) -SEXTENSON Roomai unit weich 1 TOMEN 1 MT) -SEXTENSON Roomai unit weich 1 TOMEN 1 MT)	Nos. Nos. Nos.			10		
1.1.1 1.1.2 1.2 1.2.1 1.3.1 1.3.1 1.3.2 1.4.1	-0.5 EXTENDON Recensed untwented 1-952 M/T) -0.5 EXTENDON Recensed untwented 1-345 M/T) -0.5 EXTENDON Recensed untwented 1-345 M/T) -0.5 EXTENDON RECENSED untwented untwented 1-251 M/T) -0.5 EXTENDON RECENSED untwented untwented 1-251 M/T) -0.5 EXTENDON Recensed untwented 1-251 M/T) -0.5 EXTENDON Recensed untwented 1-251 M/T) -0.5 EXTENDON RECENSED untwented untwented 1-251 M/T) -0.5 EXTENDON RECENSED untwented untwented 1-251 M/T) -0.5 EXTENDON RECENSED untwented untwented 1-255 M/T)	Nos.			10 26 3		
1.1.1 1.1.2 1.2 1.2.1 1.3 1.3.1 1.3.2 1.4 1.4.1 1.5	2.5 ECT BESION Revenue and traveled (SSE MT).	Nos. Nos. Nos. Nos. Nos. Nos. Nos. Nos.			10 26 3		
1.1.1 1.1.2 1.2 1.2.1 1.3 1.3.1 1.3.2 1.4 1.4.1 1.5.1 1.5.1 1.5.2 1.5.3	-2 SECTIONSON Recental act to world 1-052 MT) -2 SECTIONSON Recental act to world 1-052 MT) -2 SECTIONSON Recental act to world 1-052 MT) -3 SECTIONSON Recental act to world 1-054 MT) -2 SECTIONSON Recental act to world 1-054 MT) -4 SECTIONSON Recental act to world 1-054 MT) -4 SECTIONSON Recental act was world 2-214 MT) -5 SECTIONSON Recental act was world 2-245 MT) -5 SECTIONSON Recental act was world 2-245 MT) -7 Recental act was act 0-055 MT) -7 Recental act was act 0-	Nos. Nos. Nos. Nos. Nos. Nos. Nos. Nos.			10 26 3 12 1 1 1 4 4 4 15 3 2		
1.1.1 1.1.2 1.2 1.2.1 1.3 1.3.1 1.3.2 1.4 1.4.1 1.5 1.5.1 1.5.2	-3 EST BESIGN Remonal cut wanted 1,507 MT1 -4 EST BESIGN Remonal cut wanted 1,507 MT1 -4 EST BESIGN Remonal cut wanted 1,508 MT1 -4 EST BESIGN Remonal cut wanted 1,018 MT1 -5 EST BESIGN Remonal cut wanted 1,118 MT1 -5 EST BESIGN Remonal cut wanted 1,118 MT1 -6 EST BESIGN Remonal cut wanted 1,118 MT1 -6 EST BESIGN Remonal cut wanted 1,420 MT1 -6 EST BESIGN Remonal cut wanted 1,420 MT1 -7 EST WANTED BESIGN REMONAL CUT WANTED BESIGN R	Nos. Nos. Nos. Nos. Nos. Nos. Nos. Nos.			10 25 3 12 1 1 4 4		0.00 0.00
1.1.1 1.1.2 1.2 1.2.1 1.3.1 1.3.1 1.3.2 1.4 1.5.1 1.5.1 1.5.2 1.5.3 1.5.4 1.4.4 1.5.4	-3 EXTENSION Recental cut executed 1,557 MT1 -4 EXTENSION Recental cut executed 1,557 MT1 -4 EXTENSION Recental cut executed 1,557 MT1 -4 EXTENSION Recental cut executed 1,558 MT1 -5 EXTENSION Recental cut executed 2,558 MT1 -6 EXTENSION Recental	Nos. Nos. Nos. Nos. Nos. Nos. Nos. Nos.			10 26 3 12 1 1 4 4 4 15 3 2 2 1 1947.47		
1.1.1 1.1.2 1.2 1.2.1 1.3 1.3.1 1.3.2 1.4 1.4.1 1.5 1.5.1 1.5.2 1.5.3 1.5.4	-2.6 ECT BESION Review of an execution (SSE MT)	Nos. Nos. Nos. Nos. Nos. Nos. Nos. Nos.			10 26 3 12 1 1 4 4 4 15 3 2 2 1 1947.47		
1.1.1 1.1.2 1.2 1.2.1 1.3.1 1.3.1 1.3.2 1.4 1.5.1 1.5.1 1.5.2 1.5.3 1.5.4 1.4.4 1.5.4	-2.6 ECT BERGOOK Revenuel unt weeker 1.657 MT 1.  -2.1 ECT BERGOOK Revenuel unt weeker 1.657 MT 1.  -2.1 ECT BERGOOK Revenuel unt weeker 1.658 MT 1.  -2.1 ECT BERGOOK Revenuel unt weeker 1.658 MT 1.  -2.1 ECT BERGOOK Revenuel unt weeker 1.658 MT 1.  -3.1 ECT BERGOOK Revenuel unt weeker 1.558 MT 1.  -3.1 ECT BERGOOK Revenuel unt weeker 1.558 MT 1.  -3.1 ECT BERGOOK Revenuel unt weeker 1.558 MT 1.  -4.1 ECT BERGOOK Revenuel unt weeker 1.558 MT 1.  -4.1 ECT BERGOOK Revenuel unt weeker 1.558 MT 1.  -4.1 ECT BERGOOK Revenuel unt weeker 1.558 MT 1.  -4.1 ECT BERGOOK Revenuel unt weeker 1.558 MT 1.  -4.1 ECT BERGOOK Revenuel unt weeker 1.558 MT 1.  -4.1 ECT BERGOOK Revenuel unt weeker 1.558 MT 1.  -4.1 ECT BERGOOK Revenuel unt weeker 1.558 MT 1.  -4.1 ECT BERGOOK Revenuel unt weeker 1.558 MT 1.  -4.1 ECT BERGOOK Revenuel unt weeker 1.558 MT 1.  -5.1 ECT BERGOOK REVENUEL BERGOOK REVENUEL REVENUEL BERGOOK REVENUEL BERGO	Nos. Nos. Nos. Nos. Nos. Nos. Nos. Nos.			10 26 3 12 1 1 4 4 4 15 3 2 2 1 1947.47		
1.1.1 1.1.2 1.2 1.2.1 1.3 1.3.1 1.3.2 1.4 1.4.1 1.5.1 1.5.1 1.5.2 1.5.3 1.4.4 1.4.1 1.5.2 1.5.3 1.4.4 1.4.1 1.5.2 1.5.3 1.4.4 1.4.4 1.4.5 1.5.4 1.4.4 1.4.5 1.4.4 1.4.4 1.4.4 1.4.4 1.4.4 1.4.5 1.4.4 1.4.5 1.4.4 1.4.4 1.4.5 1.4.4 1.4.4 1.4.5 1.4.4 1.4.5 1.4.4 1.4.5 1.4.4 1.4.5 1.4.4 1.4.5 1.4.4 1.4.5 1.4.4 1.4.5 1.4.5 1.4.6 1	2.5 ECTES-DISCH Revenue and water DST MTD  PETTER (Disc and ASSE) 1 TOYSES IN Revenue and waint 4.972 MTD  2.6 ECTES-DISCH Revenue and was and 1.018 MTD  2.7 ECTES DISCH REVENUE AND 1.018 MTD  2.7	Nos. Nos. Nos. Nos. Nos. Nos. Nos. Nos.			10 28 3 3 12 1 1 4 4 4 4 5 3 2 1 1947.47 42.00		
1.1.1 1.1.2 1.2 1.2 1.3.1 1.3.1 1.3.1 1.4 1.4.5 1.5.1 1.5.2 1.5.3 1.5.4 1.4.4 1.4.5 1.5.4 1.5.4 1.5.4 1.5.4 1.5.5 1.5.4 1.5.5 1.5.4 1.5.5 1.5.4 1.5.5 1.5.4 1.5.5 1.5 1	2.5 ECTES-DISCH Revenue and water DST MTD  PETTER (Disc and ASSE) 1 TOYSES IN Revenue and waint 4.972 MTD  2.6 ECTES-DISCH Revenue and was and 1.018 MTD  2.7 ECTES DISCH REVENUE AND 1.018 MTD  2.7	Nos. Nos. Nos. Nos. Nos. Nos. Nos. Nos.			10 26 3 12 11 4 4 4 4 4 15 3 2 2 2 4 4 4 4 4 2 3 2 2 2 2 2 3 1 2 3 1 1 1 1 1 1 1 1 1		0.00
1.1.1 1.1.2 1.2 1.2.1 1.3 1.3.1 1.3.1 1.4.1 1.5.1 1.5.1 1.5.2 1.5.3 1.5.4 1.5.4 1.5.4 1.5.2 1.5.3 1.5.4 1.5.3 1.5.4 1.5.4 1.5.4 1.5.5 1.5 1	2.5 ECTEMBERGH Revenue and water BOST MTT  SETTING THE ARRANGE LEVERS IN PROPERTY AND ARRANGE	Nos. Nos. Nos. Nos. Nos. Nos. Nos. Nos.			10 26 3 12 1 1 1 4 4 4 5 15 3 2 1 1 947.47 42.00		0.00
11.11 11.12 11.12 11.12 11.13 11.13 11.13 11.13 11.14 11.14 11.15	2.0 ECTEDION (Normal and water) 6.00 M M)  1.0 ECTEDION (Normal and water) 6.00 M M)  2.0 ECTEDION (Normal and water) 7.00 M M)  2.0 ECTEDION (NORMAL (NORMAL AND M)  2.0 ECTEDION (N	Nos. Nos. Nos. Nos. Nos. Nos. Nos. Nos.			10 26 3 12 11 4 4 4 4 4 15 3 2 2 2 4 4 4 4 4 2 3 2 2 2 2 2 3 1 2 3 1 1 1 1 1 1 1 1 1		0.00
1.1.1 1.1.2 1.1.2 1.1.3 1.3.1 1.3.1 1.3.2 1.4.1 1.4.1 1.5.1 1.5.1 1.5.1 1.5.2 1.5.4 1.5.4 1.4.5	2.5 ECTES-DISCH Revenue and used and COST MT1  2.5 ECTES-DISCH Revenue and used and COST MT1  2.5 ECTES-DISCH Revenue and used and COST MT1  2.5 ECTES-DISCH Revenue and used used and COST MT1  2.5 ECTES-DISCH Revenue and used used and COST MT1  2.5 ECTES-DISCH Revenue and used used and COST MT1  2.5 ECTES-DISCH Revenue and used used and COST MT1  2.5 ECTES-DISCH Revenue and used used and COST MT1  2.5 ECTES-DISCH Revenue and used used used used used used used use	Nos. Nos. Nos. Nos. Nos. Nos. Nos. Nos.			10 26 3 12 11 4 4 4 4 4 15 3 2 2 2 4 4 4 4 4 2 3 2 2 2 2 2 3 1 2 3 1 1 1 1 1 1 1 1 1		0.00 0.00 0.00
1.1.1 1.1.2 1.1.2 1.1.2 1.1.3 1.1.3 1.3.1		Nos. Nos. Nos. Nos. Nos. Nos. Nos. Nos.			10 26 3 12 11 4 4 4 4 4 15 3 2 2 2 4 4 4 4 4 2 3 2 2 2 2 2 3 1 2 3 1 1 1 1 1 1 1 1 1		0.00 0.00 0.00
1.1.1 1.1.2 1.1.2 1.1.2 1.1.3 1.3.1		Nos. Nos. Nos. Nos. Nos. Nos. Nos. Nos.			10 20 3 12 11 1 1 1 1 4 4 4 4 1 15 3 3 7 1 1 1 947.47 42.09		ass ass ass ass
1.1.1 1.1.2 1.1.2 1.1.3		Noc.			10 26 27 3 3 12 1 1 1 4 4 4 15 2 1 1 1 1 1 2 1 1 2 1 1 2 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 1 2 1		0.00 0.00 0.00 0.00
1.1.1 1.1.2 1.1.2 1.1.3 1.3.1		No.			10 26 27 12 1 1 1 4 4 4 4 15 2 2 2 2 2 2 3 15 10 10 10 10 10 10 10 10 10 10 10 10 10		0.00  0.00  0.00  0.00
1.1.1 1.1.2	13 ECTESTOROM (Normal and water) 602 M/M (1997) (19	Noc.			10 26 27 3 3 12 1 1 1 4 4 4 15 2 1 1 1 1 1 2 1 1 2 1 1 2 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 1 2 1		0.00  0.00  0.00  0.00  0.00
1.1.1 1.1.2 1.2.1 1.2.1 1.3.1 1.3.1 1.3.2 1.3.1 1.3.1 1.3.2 1.3.1 1.3.1 1.3.2 1.3.1 1.3.1 1.3.2 1.3.1 1.3.1 1.3.2 1.3.3	2.5 ECTES-DIGN (Normal and used and DOST MT)  EMPTRE (1996 and No.15 L. TOWERS) Reheast and weight 4.972 MT)  2.5 ECTES-DIGN (Normal and sead of 1.016 MT)  2.6 Element under 2.006 MT)  2.7 Element (1.016 MT)  2.7 ELEMENT (1.01	Noc.			10 26 27 12 11 1 4 4 4 5 5 2 2 1 1 1 1 1 4 4 4 4 4 5 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
11.11 11.12 11.12 11.12 11.12 11.12 11.12 11.13	13 ECTEDION (Normal and used) 15 (1978) (September 15 th 1874) 15 ECTEDION (Normal and used) 15 (1978) (September 15 th 1874) 15 ECTEDION (Normal and used) 15 (1978) (September 15 th 1874) 15 ECTEDION (Normal and used) 15 (1978) (September 15 th 1874) 15 ECTEDION (Normal and used) 15 (1978) (September 15 th 1874) 15 ECTEDION (Normal and used) 15 (1978) (September 15 th 1874) 15 ECTEDION (Normal and used) 15 (1978) (September 15 th 1874) 15 ECTEDION (Normal and used) 15 (1978) (September 15 th 1874) 15 ECTEDION (Normal and used) 15 (1978) (September 15 th 1874) 16 ECTEDION (Normal and used) 15 (1978) (September 15 th 1874) 17 ECTEDION (Normal and used) 15 (1978) (September 15 th 1874) (September 15 th 18	Nos.   Nos.			10 26 27 3 3 3 1 1 1 4 4 4 4 5 5 3 2 2 1 1 1 1 4 4 4 4 4 4 2 2 3 3 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1		0.000 0.000 0.000 0.000 0.000 0.000 0.000
1.1.1 1.1.2		No.			10 26 27 3 3 12 1 1 4 4 4 4 5 5 3 2 2 4 4 4 4 2 0 0 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
11.11 11.12 11.12 11.13	1-3 ECTEMBERGH (Normal and water) ACT MTD  1-3 ECTEMBERGH (Normal and water) (1.5 MeV)  1-4 ECTEMBERGH (Normal and water) (1.5 MeV)  1-4 ECTEMBERGH (Normal and water) (1.5 MeV)  1-5 ECTEMBERGH (Normal	No.			10 10 10 10 10 10 10 10 10 10 10 10 10 1		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
1.1.1 1.1.2 1.1.2 1.1.3 1.3.3		No.			10 10 26 12 11 14 4 4 4 4 5 3 2 2 1 1 1 1 4 4 4 4 5 3 2 2 1 1 1 1 1 1 2 2 3 3 2 3 3 3 4 4 4 2 3 3 3 3 3 3 3 3 3 3 3 3 3		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
11.11 11.12 11.12 11.13	- 15 ESTEDIOL Revenue and unated and the second of the sec	No.			10 10 10 10 10 10 10 10 10 10 10 10 10 1		0.000  0.000
11.11 11.12 11.12 11.13	- 15 ESTEDIOL Recommend und unswell and SIGN MTD - 15 ESTEDIOL Recommend und unswell and SIGN MTD - 15 ESTEDIOL RECOMMEND AND ADDRESS AND	No.			10 10 10 10 10 10 10 10 10 10 10 10 10 1		0.00  0.00
11.11 11.12 11.12 11.13	13 ECTEDION (Normal and search 105 MM)  14 ECTEDION (Normal and search 105 MM)  15 ECTEDION (Normal and search 105 MM)  15 ECTEDION (Normal and search 105 MM)  16 ECTEDION (Normal and search 105 MM)  17 ECTEDION (Normal and search 105 MM)  18 ECTEDION (Normal and search 105 MM)  19 ECTEDION (Normal and search 105 MM)  19 ECTEDION (Normal and search 105 MM)  10 ECTEDION (Normal and search 105 MM)  11 ECTEDION (Normal and search 105 MM)  12 ECTEDION (Normal and search 105 MM)  13 ECTEDION (Normal and search 105 MM)  14 ECTEDION (Normal and search 105 MM)  15 ECTEDION (Normal and search 105 MM)  16 ECTEDION (Normal and search 105 MM)  17 ECTEDION (Normal and search 105 MM)  18 ECT	No.			10 10 10 10 10 10 10 10 10 10 10 10 10 1		0.000  0.000
1.1.1 1.1.2 1.1.2 1.1.2 1.1.2 1.1.2 1.1.2 1.1.3	- 15 ECTEDION (Nominal and search 1971 MT) - 15 ECTEDION (Nominal and 1971	No.			10 19 19 19 19 19 19 19 19 19 19 19 19 19		0.000  0.000
1.1.1 1.1.2 1.1.2 1.1.2 1.1.2 1.1.2 1.1.2 1.1.3	13 ESTENDON Revenue and mounted policy of the Comment of the Comme	No.			10 19 19 19 19 19 19 19 19 19 19 19 19 19		0.000  0.000
1.1.1 1.1.2 1.1.2 1.1.2 1.2.1 1.2.1 1.2.1 1.2.1 1.2.1 1.3.1 1.3.1 1.3.1 1.4.1	13 ESTENDON Revenue and mounted policy of the Comment of the Comme	No.			10 19 19 19 19 19 19 19 19 19 19 19 19 19		0.000  0.000
11.11 11.12 11.12 11.12 11.13	1-2 ESTENDED Nomen and seath and process of the pro	No.			10 19 19 19 19 19 19 19 19 19 19 19 19 19		0.00  0.00
1.1.1 1.1.2 1.1.2 1.1.2 1.2.1	2-15 ECTES-DEAD Resemble and search 1975 ACT MATERIAL TO ACT M	No.			10 19 19 19 19 19 19 19 19 19 19 19 19 19		0.000  0.000
11.11 11.12 11.12 11.13	2-15 ECTEDION (Nominal and moderal Control May)  10 SETTING (1000 persology). I (1000 Personal units majeria 4.972 MT). 2-15 ECTEDION (Nominal and moderal 1.016 MT). 2-15 ECTEDION (Nominal and MT). 2-	No.			10 19 19 19 19 19 19 19 19 19 19 19 19 19		0.00  0.00
11.11 11.12 11.12 11.13	- 15 ESTEDIOL Revenue and manufact place (1974) - 15 ESTEDIOL REVENUE AND MANUFACT (1974) - 15 ESTEDIO	No.			10 10 26 27 11 11 14 4 4 4 4 4 5 2 2 2 2 2 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4		0.000  0.000
11.11 11.12 11.12 11.13	- 15 ESTEDIOL Revenue and manufact place (1974) - 15 ESTEDIOL REVENUE AND MANUFACT (1974) - 15 ESTEDIO	No.			10 10 26 27 11 11 14 4 4 4 4 4 5 2 2 2 2 2 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4		0.000  0.000
11.11 11.12 11.12 11.13	2-15 ECTEDION (Nominal and moderal Control May)  10 SETTING (1000 persology). I (1000 Personal units majeria 4.972 MT). 2-15 ECTEDION (Nominal and moderal 1.016 MT). 2-15 ECTEDION (Nominal and MT). 2-	No.			10 10 26 27 11 11 14 4 4 4 4 4 5 2 2 2 2 2 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4		0.000  0.000
11.11 11.12 11.12 11.13	13 ESTENDON Revenue and mounted post MTD  ESTENDON Revenue and search 15 (1984)  14 ESTENDON Revenue and search 15 (1984)  15 ESTENDON Revenue and search 15 (1984)  15 ESTENDON Revenue and search 15 (1984)  16 ESTENDON Revenue and search 15 (1984)  17 ESTENDON Revenue and search 15 (1984)  18 ESTENDON Revenue and search 15 (1984)  18 ESTENDON Revenue and search 15 (1984)  18 ESTENDON Revenue and 16	No.			10 10 26 27 11 11 14 4 4 4 4 4 5 2 2 2 2 2 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4		0.00  0.00

8.5.2	Pile riser (if required), capping, the beams etc., required for stub setting including supply of rods-FE-500, cement, different gradient for concrete ratio 1:1.5:3 (Grade M-20.) including curing minimum for 15 days continuous with excavation in all type of soils and back filling etc.	CUM		0	0.00
	DE-WATERING(FOR OPEN CAST LOCATION)				
8.6.1	(ii) With Supply of all T&P, Fuel, Lubricant & electricity on HP Hour basis.	HP Hour		0	0.00
8.7	Supply of borrowed earth/morrum for back filling for foundation/revertment works				
8.7.1	(iii beyond 100 mtr lead	CUM		0	0.00
8.8	SHORING & SHUTTERING-Required in wet/submerged or special locations of open cast/shallow type foundations with supply of all materials, T&P and Labour.	SQ.MTR.		0	0.00
8.9	Heat-Loading of all types of foundation-materials,towers, structures, conductors,Invulators,Hard-wares & Emergency Restoration System towers required for special inaccessible Locations beyond 4000 mtns from the nearest approach road as per the recommendation of site Enginee-In-Change and approval of GM of Concerned circle.			0	0.00
9.0	REVERTMENT / STONE PITCHING FOR PROTECTION OF TOWER BASE.				
'9.1	Excavation in all type of soil including rock & back filling including supply of sand with back filling.	CUM		9040	0.00
'9.2	Lean Concrete in the ratio 1:3:6(Grade M-10) including supply of sand, chips etc.	CUM		218	0.00
'9.3	PCC in the ratio 1:2:4(Grade M-15) as above.	CUM		56	0.00
'9.4	RR Massonary work in the ratio 1:5.	CUM		3132	0.00
'9.5	Plastering and punning etc.	SQ.MTR.		320	0.00
10.0	Erection of earthing device including supply of materilas as per Technical Spec	Nos.		195	0.00
	Total CIVIL Works (Part-B)-LINE-2C				0.00
	TOTAL OF LINE-2C (PART-II)(Part A + Part B)				0.00
	ERECTION PRICE_TOTAL OF SCHEDULE 2C				0.00

1 Before filling up rationmount etc. in the schedules bidden are requested to read carefully the instruction given in Vol-1 of Bidding Document.

1 Bidders are requested not to leave any column blank. If any column is left blank it shall be considered that amount against fooce items are included in any other item and the total amount for that 6 Bidders has to open size exceeding enterior but if any column blank. If any column blank is white the part of the Bidder has to open size exceeding enterior but if any other item and the total amount for that 6 Bidder has to open size exceeding enterior but if any other items and the total amount for that

		ODISHA POWER TRANSMISSION CORPORATION LIMITED
		Name of the Work:-Construction of 132KV SC Line on DC tower from 132/33 KV, Kesinga Grid S/s to 132/33 KV, Junagarh Grid S/s with 132KV feeder bay extension at both S/s ends.(App. Line Length: 52.794Kms.)
	PACKAGE 67(III)/2014-15	NOTICE INVITING TENDER-NIT NO. 67/2014-15
		BID DOCUMENT No.:Sr. G.M- CPC- TENDER- PACKAGE- 67(III)/2014-15
		SCHEDULE 1_ ABSTRACT OF PRICE SCHEDULES (SUBSTATION & LINE)
	NAME OF THE BIDDER	
SL NO.	DESCRIPTION	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 TRANSMISSION CORPORATION LIMITED

Name of the Work:-Construction of 132KV SC Line on DC tower from 132/33 KV, Kesinga Grid S/s to 132/33 KV, Junagarh Grid S/s with 132KV feeder bay extension at both S/s ends.(App. Line Length: 52.794Kms.)

NOTICE INVITING TENDER-NIT NO. 67/2014-15

BID DOCUMENT No.:Sr. G.M- CPC- TENDER- PACKAGE- 67(III)/2014-15

	, , , , ,	D2,E,F,G) - DETAILS OF TAXES AND DUTIES	<u> </u>	
Sl No	NAME OF THE BIDDER  Description of Applicable Tax/Levy	Item /Component Sl. No. of Bid price on which	Tax @%	Total Amount of
BITTO	Bescription of rippileasic raw Ecvy	Applicable	Tux 6/0	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***			
Е	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	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	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			

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