

**SECTION – VI :REVISED PRICE BID,
NIT No.: CMC/BY/23-24/RS/SvS/AS/24**

S N	description	Unit	Qty.	Price (Exclusive of GST@18%)	Amount
a	b	c	d	e	f=d*e
1	Charges for carrying out Route survey and identification of underground utilities of various civic agencies before/ during execution of scheme involving cable laying work. Route length will be considered for payment. Route length will be specifically verified by DGM.	M	3000		
2	Detail survey i/c.preparation of site plan & profile.	KM	3		
3	Stringing of ACSR GOAT Conductor, Earthwire, Insulator & Hardware Fittings i.e. Single Tension String Insulator fittings with single tension clamp for single GOAT conductor ,Single Tension String Insulator fittings with double tension clamp for twin GOAT conductor, Double Tension String Insulator fittings with single tension clamp for single GOAT conductor, Single Suspension String Insulator fittings with single drop/tension clamp for single GOAT conductor, Single Suspension String Insulator fittings with double drop/tension clamp for twin GOAT conductor, Single Suspension String Insulator fittings with single suspension clamp for single GOAT conductor, Single Suspension String Insulator fittings with double suspension clamp for twin GOAT conductor ,Bolted type 'T' Connector suitable for single GOAT conductor, Vibration Damper for GOAT Conductor, Repair Sleeve for GOAT, Mid span compression joint for ACSR GOAT, Rigid Type Spacers for twin GOAT PER CIRCUIT INCLUDING EARTH WIRE(PER CIRCUIT MEANS 3 CONDUCTORS AND ONE EARTH WIRE INCLUDING HARDWARE FITTINGS AND ACCESSORIES)	KM	0.3		
4	Laying of under ground cable in trench ,covering with RCC cable cover, covering with sand ,Sand cushion will be min 75mm below and 75mm above the cable, fixing of cable identification tags (9" X 4") at every 30 Mtrs, Laying of warning tape above 250mm of the docket, refilling the trench and ramming the surface & removal of malba if any, including watch and ward till charging of cable (This activity includes only labour jobs) for 66 KV single core cable Running Mtr	M	10270		
5	Extra for handling of 66KV Cable from cable drum.	M	17070		
6	Erection of 42' rails including digging , refilling, ramming of the foundation and including removal of malba ,grouting with cement concrete mortar to 16 cft. of 1:3:6 ratios (1 cement, 3 Badarpur, 6 Stone blast-Cement, Sand and Mortar to be supplied by the contractor).including transportation of pole from stacking site within 1kms.Painting of Rail with one coat of primer & two coat of Al (Paint to be supplied by the contractor).Including brick padding.	EA	8		
7	Fabrication of MS structure as well as galvanized for different equipment like isolator, C.T.'s, P.T.'s, CVT, LA's etc., cable supporting structure including supply of nuts and bolts, consumables , welding electrode, hacksaw blades etc. excluding supply of steel.	MT	7		
8	Supply and fixing of wire mesh fencing 2.65 mar height with gate frame of 3 mar x 2.5 mar with complete material including painting e.g. angle, chain link, wire mesh and civil material etc. complete as per specification, drawing no.Angle iron size 50x50x6 mm & MS strip 50 x 3 mm wire mesh 1"x3", 8 SWG wire to be used for wire-mesh with providing support at 1.25 distance.	SQM	50		
9	Digging of test pits of required size(not less than 1/2 Mtr. Wide at site for identification of cable route). Relevant volume shall be deducted from quantities of same item of cable digging for Footpath/ tile/ Rajasthan Stone / Brick Works	EA	20		
10	Digging of test pits of required size(not less than 1/2 Mtr. Wide at site for identification of cable route). Relevant volume shall be deducted from quantities of same item of cable digging For Ordinary bituminous road	EA	30		
11	Digging of test pits of required size(not less than 1/2 Mtr. Wide at site for identification of cable route). Relevant volume shall be deducted from quantities of same item of cable digging For Dense carpeted bituminous road / CC Road	EA	30		

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a	b	c	d	e	f=d*e
12	Digging of test pits of required size(not less than 1/2 Mtr. Wide at site for identification of cable route). Relevant volume shall be deducted from quantities of same item of cable digging For Hard Rocky Soil	EA	20		
13	Digging of cable trench as per specification and drawings. Rate is inclusive of digging and backfilling. Measurement shall be as per actual depth excavated . For Ordinary Soil.	CUM	500		
14	Digging of cable trench as per specification and drawings. Rate is inclusive of digging and backfilling. Measurement shall be as per actual depth excavated . For Ordinary Bituminous/C.C.Road.	CUM	1000		
15	Digging of cable trench as per specification and drawings. Rate is inclusive of digging and backfilling. Measurement shall be as per actual depth excavated . For Footpath/tile/Rajasthan Stone/Brick work.	CUM	600		
16	Digging of cable trench as per specification and drawings. Rate is inclusive of digging and backfilling. Measurement shall be as per actual depth excavated . For Dense Carpeted bituminous Road.	CUM	1500		
17	Digging of cable trench as per specification and drawings. Rate is inclusive of digging and backfilling. Measurement shall be as per actual depth excavated. For Rocky Soil	CUM	700		
18	Digging of joint pit suitable for 33/66 KV cable joint box and covering the joint box with sand and providing protection as per BYPL/BRPL design. for Footpath/ tile/ Rajasthan Stone / Brick Works	Cum	74.1		
19	Digging of joint pit suitable for 33/66 KV cable joint box and covering the joint box with sand and providing protection as per BYPL/BRPL design. For Ordinary bituminous road	Cum	222.3		
20	Digging of joint pit suitable for 33/66 KV cable joint box and covering the joint box with sand and providing protection as per BYPL/BRPL design. For Dense carpeted bituminous road.	Cum	222.3		
21	Digging of joint pit suitable for 33/66 KV cable joint box and covering the joint box with sand and providing protection as per BYPL/BRPL design. For Hard Rocky Soil	Cum	74.1		
22	Laying of under ground cable in trench ,covering with RCC cable cover, covering with sand ,Sand cushion will be min 75mm below and 75mm above the cable, fixing of cable identification tags (9" X 4") at every 30 Mtrs, Laying of warning tape above 250mm of the docket, refilling the trench and ramming the surface & removal of malba if any, including watch and ward till charging of cable (This activity includes only labour jobs) for 33 KV cable Running Mtr	M	3300		
23	Laying of XLPE cable in RCC Trench	M	500		
24	Laying of XLPE cable in HDPE Pipe in Excavated Trench	KM	8.83		
25	Removal of Malba including Loading / Unloading on own vehicle. The payment shall be restricted to the quantity of sand laid.	CUM	1600		
26	Providing and Laying Sand cushioning for cable route as per BRPL/BYPL specification and drawing.	CUM	1020		
27	Grouting of cable mounting structure with cement concrete having ratio 1:3:6 including fixing with gantry structure. Badarpur, cement and stone ballast shall be supplied by contractor. Suitable for mounting 33/66 KV cable.	EA	12		
28	Mounting of 66KV,1x1000sq.mm.XLPE cable with cable end box on the steel structure and fixing it with suitable wooden cleats (wooden cleats shall be supplied by contractor) i/c.its jumpering with the isolator as required.	EA	21		
29	Digging of earth pit up to depth of 10 ft. inrocky/ semi rocky as per feasibility at site of embedding 600 x600mm earth plate with M.S Flate 50 x8 mm running the same through 3/4 " dia G.I. grouting pipe. Earth Plate to be covered by charcoal 200kg. And 100 Kg. Sodium chloride in the earth pit and refilling etc. NOTE: Charcoal, commonsalt, earth plate, G.I. Pipe, MS flat, Badarpur, Cement and bricks to be supplied by the contractor	EA	14		
30	Transportation of electrical equipment I.e.CB,CT,PT,ISOLATORS,LA,CABLE DRUMS etc. from store/any site in Delhi to site of work in Delhi inclning loading and unloading at both ends by using T & P such as Tripod/cranes etc.(Considering max lead of 50KM)	TRP	66		

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a	b	c	d	e	f=d*e
31	Transportation of Empty cable drum from site to site or from site to store any where in Union territory of Delhi.	TRP	64		
32	Crossing of roads by trench-less technology by laying of HDPE pipe excluding supply of pipe .Laying by HDD Machine Moling. Drilling and laying. 200mm dia.	M	5328		
33	Laying of HDPE pipe for crossing small Nallas in the cable route or in the existing trenches	M	3500		
34	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of shuttering,centring,finishing and reinforcement-All work up to plinth level : 1:2:4 (1cement :2 coarse sand :4 graded stone agg.20mm nominal size.)	CUM	15		
35	Providing and fixing of Anti climbing device.	EA	4		
36	Charges for Hi pot test - Testing equipment to be provided by the contractor. For 66 KV cables	EA	21		
37	Painting of any M.S.Structure with one coat of Red oxide and two coats of AL.paint ISI marked including supply of paint by contractor.	KG	7000		
38	Charges for providing continous steel barricade 1.2 mar high including cost of all material plant consumables transport and labour for shifting placing painting and regular maintenance.40% qty for selected portion	M	1200		
39	Watch & Ward Charges.	DAY	180		
40	Charges for providing tent, lighting arrangement and labour for supporting the jointer for making the 11/33/66 kv St.through/end termination box	EA	117		
41	Charges for Hi pot test - Testing equipment to be provided by the contractor. For 33/66 KV cables	EA	33		
42	Mounting of 33KV,3x400sq.mm.XLPE cable with cable end box on the steel structure and fixing it with suitable wooden cleats (wooden cleats shall be supplied by contractor) i/c.its jumpering with the isolator as required.	EA	12		
43	Providing and Fixing of Danger plates.	EA	4		
44	Providing and Fixing of circuit plates .	EA	4		
45	Identification of cable and Puncturing of the identified cable at the time of shut down(Shut down shall be arranged by BYPL). The work includes providing of skilled man who will identify the cable and will ensure to get it punctured at the time of shut down. Necessary T&P such as heater, Clip on meter and cable puncturing equipment etc. shall be provided by the contractor -----33 KV/66 cable	EA	33		
46	Phasing of cables before commissioning. The work includes disconnection/reconnection of cable for matching the phase sequence of cables including providing skilled workmen at both ends. For 66KV/33KV/11KV cables	Per ckt.	13		
47	Supply and fixing of Cable Route/Joint Marker as per approved drawing.For 33/66 KV cables.	EA	74		
48	Providing AUTO CAD Drawing above 1 KM.	KM	3		
49	Dismantling of ACSR GOAT Conductor, Earthwire, Insulator & Hardware Fittings i.e. Single Tension String Insulator fittings with single tension clamp for single GOAT conductor ,Single Tension String Insulator fittings with double tension clamp for twin GOAT conductor, Double Tension String Insulator fittings with single tension clamp for single GOAT conductor, Single Suspension String Insulator fittings with single drop/tension clamp for single GOAT conductor, Single Suspension String Insulator fittings with double drop/tension clamp for twin GOAT conductor, Single Suspension String Insulator fittings with single suspension clamp for single GOAT conductor, Single Suspension String Insulator fittings with double suspension clamp for twin GOAT conductor ,Bolted type 'T' Connector suitable for single GOAT conductor, Vibration Damper for GOAT Conductor, Repair Sleeve for GOAT, Mid span compression joint for ACSR GOAT, Rigid Type Spacers for twin GOAT PER CIRCUIT INCLUDING EARTH WIRE(PER CIRCUIT MEANS 3 CONDUCTORS AND ONE EARTH WIRE INCLUDING HARDWARE FITTINGS AND ACCESSORIES)	KM	1		

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a	b	c	d	e	f=d*e
50	Erection of electrical equipment Including supply of T & P, all consumable items such as welding rods, hacksaw blades etc. and minor modification in support structure for fixing as required. For 66 kV LA's with or without surge counter	EA	12		
51	Laying of MS flat in the excavated trench including risers, equipment earthing, overlapping of MS flat at the joints by twice of its width and welding of over lapping and cross joints including supply of electrodes, red oxide/bitumin compound, paint etc and Laying of GI earth strip for equipment earthing, along the wall, trench, cable trays etc. including fabrication of supports/cleats and fixing with wall bolts, welding works, painting of earth strip and riser with red oxide paint/bitumin compound and final. For 50X6 sqmm	M	400		
52	Transportation of material by hand-cart	TRP	400		
53	12 mm cement plaster of mix 1:4 (1 cement : 4 fine sand)	Sqm	120		
54	15 mm cement plaster on rough side of single or half brick wall of mix 1:4 (1 cement : 4 fine sand)	Sqm	100		
55	Distemping with dry distemper of approved brand and manufacture (two or more coats) and of required shade on new work, over and including water thinnable priming coat to give an even shade.	Sqm	250		
56	Providing and fixing concertina coil fencing with punched tape concertina coil 600 mm dia 10 metre openable length (total length 90 m), having 50 nos rounds per 6 metre length, up to 3 m height of wall with existing angle iron 'Y' shaped placed 2.4 m or 3.00 m apart and with 9 horizontal R.B.T. reinforced barbed wire, stud tied with G.I. staples and G.I. clips to retain horizontal, including necessary bolts or G.I. barbed wire tied to angle iron, all complete as per direction of Engineer-in-charge, with reinforced barbed tape (R.B.T.) / Spring core (2.5mm thick) wire of high tensile strength of 165 kg/sq.mm with tape (0.52 mm thick) and weight 43.478 gm/ metre (cost of M.S. angle, C.C. blocks shall be paid separately).	m	50		
57	<u>Brick work</u> with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in cement mortar 1 : 4 (1 cement : 4 coarse sand)	CUM	15		
58	<u>Brick work</u> with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in cement mortar 1 : 6 (1 cement : 6 coarse sand)	CUM	8		
59	<u>Brick work</u> with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level. in all shapes and sizes in : Cement mortar 1:4 (1 cement : 4 coarse sand)	CUM	30		
60	Loading/unloading and transportation of 110 lbs 42' MS rail from store to site or from site to site. Beyond 5 kms.	EA	8		
61	Providing testing instruments, vehicle and skilled manpower during inspection by the electrical inspector. The work includes operation of electrical equipment's as per the requirements/satisfaction of electrical inspector for obtaining the EIC Certificate. EHV Cables	per KM	3		
62	Stringing and sagging of main bus and cover bus bar with ACSR Zebra conductor and Jumpering of various electrical equipment by ACSR Zebra conductor in between equipment to equipment of any length required and from bus bar to equipment of any length required with the help of PG clamps, T connectors and other clamps. For 66 kV /33KV Yard	M	120		
63	Excavation of trench below the ultimate good earth level in following type of soil including refilling after laying of eath mat riser, fixing of earth electrodes welding etc. For Soft soil	CUM	200		
64	De-watering of pits with the help of Mech.Pump (5H.P.) rating	HR	20		
65	Cutting of stubs (Each member)	EA	8		
66	CENTRING AND SHUTTERING INCLUDING STRUTTING, PROPPING ETC. AND " REMOVAL OF FORM WORK FOR : FOUNDATIONS, FOOTINGS, BASES OF COLUMNS ETC. FOR MASS	sqm	126		

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a	b	c	d	e	f=d*e
67	REINFORCEMENT FOR R.C.C. WORK INCLUDING STRAIGHTENING, CUTTING, "BENDING, PLACING IN POSITION AND BINDING ALL COMPLETE. COLD TWISTED" BARS	KG	200		
68	COLLECTING THE SPREADED STONE GRIT FROM YARD, STACKING AT SUITABLE PLACES & RELAYING THE SAME AFTER PROPER SCREENING / CLEANING TWICE ON THE SPECIFIED AREA OF YARD AS PER DIRECTION OF ENGINEER IN CHARGE	cum	6		
69	PROVIDING AND LAYING IN POSITION CEMENT CONCRETE OF SPECIFIED GRADE EXCLUDING THE COST OF CENTRING AND SHUTTERING- ALL WORK UPTO PLINTH LEVEL 1 : 4 : 8	cum	3		
70	Trimming of any no. of branches of any size of any type of tree overhanging on building / terrace so as to keep them away from building by at least 2.00 mar at the time of trimming in such a way that they do not fall on the bldg., terrace, GI/ACC shed, live transformer, electric/telephone wire by any means Use axe, saw, ropes etc. as per site conditions. The trimmed material to be disposed to the MCD bin by any means. Nothing shall be allowed to be burnt or flamed.	Ea	10		
71	Dismantling of Screen wire 7/9 gauge including all hardware fittings, insulators for 66 kV Yard	M	150		
72	Making termination in the existing line i/c.sagging and jumpering complete for 6Nos.Conductors with one earth wire.	EA	1		
73	Dismantling of MS as well as galvanized structure for different equipment like isolator, C.T.'s, P.T.'s, CVT, LA's , ISO etc., cable supporting structure, 33kV/66 kV GI gantry and tower structure including consumables , welding electrode & hacksaw blades etc.	MT	5		
74	Transportation of various material like 40 mm dia Rod 12-15 mtrs long by 25 T trailer from store/any site in Delhi to site of work in Delhi inclding loading and unloading at both ends manually.(Considering max lead of 50KM)	TRP	2		
75	Stringing of Bolted type 'T'/PG Connector suitable for single Zebra conductor	EA	24		
76	Providing sand stone slab for roofing and laying them in cement mortar 1 : 4 (1 cement : 4 coarse sand) over wooden karries or R.C.C. battens or structural steel sections (Karries or battens or structural steel sections to be paid separately), including pointing the ceiling joints with cement mortar 1:3 (1 cement : 3 fine sand) complete : Red sand stone slab 40 to 50 mm thick	sqm	40		
77	Erection of MS as well as galvanized structure for different equipment like isolator, C.T.'s, P.T.'s, CVT, LA's , ISO etc., cable supporting structure, 33kV/66 kV GI gantry structure , Tower Structure i/c consumables , welding electrode ,tack welding & hacksaw blades etc.	MT	7		
78	Transportation of electrical equipment from store/any site in Delhi to site of work in Delhi inclding loading and unloading at both ends manually.(Considering max lead of 50KM)	TRP	45		
79	Fixing of HDPE cable cleat on 33/66 KV cable	EA	42		
80	Painting of nomenclature of size(s) as reqd. on power transformer/Breakers/Capacitor bank/Battery Bank/CRP/Panels etc. including supply of paint ----- rates are per alphabet.	EA	500		
81	Digging of cable trench with the help of tractor hammer cutting where digging through standard tools like pickaxe and spade is not possible. The work includes demolishing cement concrete manually/ by mechanical means including disposal of material within 50 meters lead as per direction of Engineer - in Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	CUM	800		
82	Supply of RCC Cable protection cover as per BYPL/BRPL specification & drawing. (50 Thick 550 mm wide)	EA	9389		
83	Supply of warning tape per BSES Design specification (Width=150mm, Thickness=0.3u)	M	8000		
84	Supply and fixing of Cable Route/Joint Marker as per approved drawing.For 33/66 KV cables.	EA	74		

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a	b	c	d	e	f=d*e
85	Supplying and fixing hot dipped Galvanized Reinforced punched tape made of 0.5 mm wide tape and spring core wire of 2.59 mm dia of approved quality dipped in PH2 oil to protect rusting of wire and tapes Stretched and fixed between post with GI Staples / GI wire in existing MS angle frame as specified complete as per direction of Engineer - in - Charge. (MS structure steel, Cement Concrete, Pointing etc. if required, will be paid separately.) (16.53-AR300)	Mtr	1000		
86	Supplying and spreading uniformly in yard of grid s/stn. blue stone aggregate 20 mm single size of good quality i/c loading, unloading for all leads & lifts complete, as per direction of Engineer in charge.	Cum	12		
87	Supply of Galvanized Nut & Bolts	KG	100		
88	PIPE,SPECIAL PURPOSE,SIZE:200 MM;MATERIAL:HDPE;SPECIFICATION:PN6 PE80;MANUFACTURING PROCESS:ROLLING;ADDITIONAL INFORMATION:HDPE PIPE DIAMETER 200 MM PN6 PE 80 FOR CABLE LAYING	M	8828		
89	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering- All work up to plinth level 1:2:4 (1 Cement : 2 Coarse Sand : 4 Graded stone agg. 20 mm nominal size)	CUM	6		
90	Labour charges for digging of the trench of the required size including the backfilling with the excavated earth and ramming the same and disposing the surplus excavated material all complete. Payment shall be released as per actual depth excavated or as mentioned in drawing whichever is less.Digging of cable trench in Dense carpeted bituminous roads/CC Road/Asphaltic Road for 11KV H.T. 3X150/300/400 sq.mm Single Circuit of size 400X1055 mm as per Drg.# 6 and Type A-2.	M	6500		
91	Laying of under- ground HT. cable in trench ,docketing with bricks & sand as per BSES specifications, refilling the trench and ramming the surface & removal of malba if any, including supply of IInd class bricks and sand (Sand cushion min 75mm below and 75mm above the cable.Also a warning tape above 224 mm of the docket be laid.) and including watch and ward till charging of cable of size 3X150/300/400 sq.mm.11KV.Single Circuit,as per Drg.#6, Type A-2.	M	6500		
92	Laying of HT/LT cables through GI Pipe /RCC hume pipe. above 150 sqmm up to 400 sqmm.	M	2000		
93	Laying of HT/LT cable of following size in S/ Stn. Trench.above 150 sq.mm.	M	199		
94	Crossing of roads by trench-less technology by laying of HDPE pipee excluding supply of pipe. Laying by HDD Machine Moling. Drilling and laying. 160mm dia.	M	1500		
95	Supply of HDPE pipes as per IS 4984,PN 4 class PE 63 - 160mm dia.	M	1500		
96	Crossing of roads by trench-less technology by laying of HDPE pipe excluding supply of pipe .Laying by HDD Machine Moling.Drilling and laying. 110/140mm dia.	M	500		
97	Supply of HDPE pipes as per IS 4984,PN 4 class PE 63 - 110mm dia	M	500		
98	Charges for carrying out Route survey and identification of underground utilities of various civic agencies before/during execution of scheme involving cable laying work. Route length will be considered for payment. Route will be specifically verified by DGM.	M	8000		
99	High Voltage test of 11KV 3x300/400sq.mm cable - Testing Equipment to be provided by the contractor.	EA	36		
100	Transportation of Electrical equipment's or any any kind of materials from store to site or from site to site including laoding and unloading at both ends by using T & P such as Tripod/cranes -> By Full body truck load (9T capacity). Note:- Above item will	TRP	60		
101	Transportation of Electrical equipment's or any any kind of materials from store to site or from site to site including laoding and unloading at both ends by manually -> By Half body Truck. Note:- Above tem will be selected ensuring optimum utilization of	TRP	30		
102	Digging of joints pits as required, docketing with bricks and sand of the joint & refilling with loose earth and ramming the surface including removal malba. Brick and sand shall be supplied by the contractor	EA	27		

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a	b	c	d	e	f=d*e
103	Digging of Test pit of the required size at site for identification of the cable alongwith refilling with loose earth and ramming the surface including removal of Malba. The volume of this shall be deducted from Item Labour charges for digging of this schedule(Only for those test pit which are lying on the cable digging route).For Dense Carpet/CC Portion/Asphaltic Road Portion.	CUM	30		
104	Disconnection or Connection of 11KV XLPE Cable of following sizes: 3cX 300/400 sq.mm.	EA	36		
105	Transportation of empty cable drum from site to designated store anywhere in Delhi. For minimum 11 nos Wooden Drum (In case under execution No. of empty drum are less than 11 nos. the same can be transported against one transportation charges)	TRP	10		
106	Cleaning and clearing of malba after completion of work at site or removal of malba to carry out the work at site (This item is not applicable for removal of malba in digging and cable laying and Pole erection work)	CUM	1000		
107	Transportation of material by hand-cart	TRP	90		
108	Charges for providing continous steel barricade 1.2 mar high including cost of all material plant consumables transport and labour for shifting placing painting and regular maintenance.40% qty for selected portion	M	5000		
109	RMU installation 3- Function	EA	1		
110	Testing and commissioning comprising of Hi-pot test, primary injection, IR & mV Drop test for 3-Function RMU.	EA	1		
111	Casting of civil foundation for each 3 Way-RMU. It includes cement, sand, ballast (rodi)and labour.	EA	1		
112	Extra civil work for step-making (required for smooth operation/maintenance of RMU's)if the RMU is to be installed more than 300mm height from Ground Level.	EA	1		
113	Transportation of RMU's and other materials from Main Store to Distt.Store or from Distt.Store to site, i/c.loading & unloading at both ends safely (a) One transport will be paid per site for New RMU along with other materials. (b) In case of transshipment of RMU from main store to district store and then from district store to site, two transport will be allowed.	TRP	2		
114	Fabrication work using MS steel (for any type & as per drawing, specification provided by BSES) including all consumables i.e. welding rods, supplying and providing 2 coats of red oxide primer and one coat of aluminum paint, nuts, bolts and washers. All type frames,structure,clamps etc.Steel shall be provided by Contactor.	KG	180		
115	Supply and laying of 50 x 6 mm G I strip to connect all earth electrode in parallel with double connection to the tansformer / any switch gear as per site requirement	M	180		
116	Earthing with 100 mmX6 mt.,GI pipe of B class with Masonary earth pit enclosure on top covered having locking watering arrangement with funnel I/C provision of salt charcoal as per IS 3043. (Resistance should be less than 1 ohm) Salt,charcoal, masonary material and top enclosure coverv and all the earthling material shall be provided by contractor.	EA	10		
117	Painting of nomenclature of size(s) as reqd. on FP/Service Pillar / LT Panel / HT Panel and LT ACBs etc. including supply of paint.rates are per alphabat	EA	565		
118	Installation , testing and commissiong of 11/0.433 KV distribution Transformer of following sizes on existing plinth including grouting of frames required on HT & LT side for cables as per BSES Design & practice. 1000 KVA Transformer any type	EA	1		
119	Dragging of Old/New Distribution Transformres of 400 to 990 KVA ratng of oil/dry type as per standard practice from more than 10 mar to 30 mtrs.	EA	1		
120	Dragging of Old/New Distribution Transformres of 400 to 990 KVA ratng of oil/dry type as per standard practice from more than 30 mar to 60 mtrs.	EA	1		
121	Providing and Fabrications of wooden cleats for supporting LT S/C cable from transformer to LT board with suitable size of holes as required. (Material will be supplied by the contractor). Cleats with 7-11 holes	EA	2		

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a	b	c	d	e	f=d*e
122	Providing and Fabrications of wooden cleats for supporting HT cable from Transformer to H.T.Switchgear with suitable size of holes as required. (Material will be supplied by the contractor). Cleats with single hole for HT cable	EA	2		
123	Making of masonry plinth for placing the transformer with 90cm height above the ground level and 30cm below ground complete with bricks, cement, badarpur in the ratio of 1:6 and duly plastered on all sides Plinth to be provided with 75mm PCC layer on top.	CUM	50		
124	Providing, supplying and laying minimum 150 mm thick gravel filling after cleaning and leveling of site. Size of gravel should be between 20mm including dressing, compacting etc. All stone used shall be granite stone free from dirt or organic material.	CUM	50		
125	Supplying and filling in plinth with Jamuna sand under floors including, watering, ramming consolidating and dressing complete.	Cum	50		
126	Supply and fixing of wire mesh fencing 2.5 mtr height with gate frame of 3 mtr x 2.5 mtr with complete material including painting eg angle, chain link,wire mesh and civil material etc complete as per specification & drawing of BSES.Angle iron size 50x50x6 mm & MS strip 50 x 3 mm,Wire mesh 1"x3" of 8 SWG wire to be used for wire-mesh with providing support at 1.25m distance.	SQM	50		
127	Sheet for covering s/stn.	SQM	50		
128	Concreting with 1:3:6 mix complete in all respect.	CUM	53		
			A	Total	
			B	GST@18%	
			C	Grand Total(A+B)	