

Tender Inviting Authority: Chief Engineer (Project - III), WBSEDCL

Name of Work: “Conversion of Overhead Network into Underground cable system at Rajarhat Town under North 24 Parganas district within the state of West Bengal”

Bid Reference: WBSEDCL/Dist. Project-III/Tender/2020-21/UG/WB/08, Date: 05.01.2021

Bidder Name :				
<div>PRICE SCHEDULE</div> <div>(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevent columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)</div>				
Sl. No.	Item Description	TOTAL AMOUNT Without Taxes	TOTAL AMOUNT With Taxes	TOTAL AMOUNT In Words (Without Taxes)
1	2	53	54	55
1	Total quoted price (Supply+ Erection)	0.00	0.00	INR Zero Only
Total in Figures		0.00	0.00	INR Zero Only
Quoted Rate in Words		INR Zero Only		

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1	2	53	54	55
1	Total quoted price (Supply)	0.00	0.00	INR Zero Only
2	Total quoted price (Erection)	0.00	0.00	INR Zero Only
Grand Total in Figures (1+2)		0.00	0.00	INR Zero Only
Quoted Rate in Words		INR Zero Only		

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Bid Reference: WBSEDCL/Dist. Project-III/Tender/2020-21/UG/WB/08, Date: 05.01.2021, Schedule-2 (Supply)

Bidder Name :											
Notes: Rates or prices for local transportation to named place of final destination as specified in the BDS, insurance and other services incidental to delivery of the plant should be a part of Schedule 2											
PRICE SCHEDULE											
Sl. No.	Description of Materials	Total Quantity	Units	Unit Ex-works price in Figures (To be entered by the Bidder)(in Rs.)	Total Ex-works price in Figures	Unit F&I Charges (To be entered by the Bidder)(in Rs.)	Total F&I Charges(in Rs.)	% GST charges on Total Price(Ex-Works and F&I)(To be entered by the Bidder)(in %)	TOTAL AMOUNT Without Taxes	TOTAL AMOUNT WithTaxes	TOTAL AMOUNT In Words (Without Taxes)
1	2	6	7	15	16	17	18	19	55	56	57
1.00	Distribution Transformer										
1.01	New 315 kVA/160 KVA DTR										
1.02	Supply of 3 phase, 50Hz, outdoor type, 11/0.433 kV, ONAN 315 /160 kVA DTR (BIS Level II with latest amendments)with cable end boxes at both ends(HT <) with all accessories & Fittings on 7.03 mtr H-Beam Pole-ISMB 250 (37.3 kg/mtr.) structure and on the plinth as per TS/ Drawing.										
1.03	11/0.433 kV, 160 kVA ONAN Al wound DTR O/D Type with both side cable entry box	10	Nos		0.00		0.00		0.00	0.00	INR Zero Only
1.04	11/0.433 kV, 315 kVA ONAN Copper wound DTR O/D Type with both side cable entry box	110	Nos		0.00		0.00		0.00	0.00	INR Zero Only
1.05	7.03 mtr H-Beam Pole-ISMB 250 (37.3 kg/mtr.)	168	Nos		0.00		0.00		0.00	0.00	INR Zero Only
1.06	G.1 Earth Spike (1853 x 20 mm) with requisite quantities of bonding conductors, clamps, galvanized nuts, bolts etc. complete	360	Nos		0.00		0.00		0.00	0.00	INR Zero Only
1.07	Pre-fabricated hot dip galvanised steel items like I.S.M.C.-200 I.S.M.C.-175 (175X75 mm), I.S.M.C.-150 (150X75 mm),I.S.A. 130x 130x 12mm, I.S.A. 175x 125x 38mm, I.S.A. 150 X 75 X10 mm, MS Channel 75X40X6 mm, M.S. Angle 50 x 50 x 6 mm, M.S. Flat 65 x 6 mm, of given sizes for over head structures as per technical specification, approved drawings and scope of work	26544	Kg.		0.00		0.00		0.00	0.00	INR Zero Only
1.08	Caution Board (11 kV)	120	Nos		0.00		0.00		0.00	0.00	INR Zero Only
1.09	Turn buckle	168	Nos		0.00		0.00		0.00	0.00	INR Zero Only
1.10	PVC self adhesive insulating Electrical Tape (R,Y,B,N phase coloured)	720	Roll		0.00		0.00		0.00	0.00	INR Zero Only
1.11	3 Ph 4W CT operated fully static AMR compatible Tri Vector Energy meter for DTR of Accuracy class 0.5S fitted inside pillar proof Meter box suitable for housing the Energy meter, TTb & Modem along with associated 12c x 2.5 sq mm (for control purpose) & 4c x 2.5 sq mm (for power) 1.1 kV grade PVC insulated unarmoured Copper conductor cable with requisite numbers of lugs, ferrules and termination sockets complete.(To ensure compatibility and infrastructural issues pertaining to the Data Centre of WBSEDCL, the Modem should be compatible with WBSEDCL's presently installed HES at Data Centre. The Contractor shall install the SIM provided by WBSEDCL and ensure that the data from DTR meter reaches the existing HES at Data Centre. Integration will be done by the meter vendor with assistance from WBSEDCL.(All items except SIM are within contractor scope)	120	Set		0.00		0.00		0.00	0.00	INR Zero Only
1.12	Kiosk made of CRCA sheet metal of 18 SWG fitted with Resin cast Ring type LTCT (4 nos. per Kiosk) having CT ratio of 600/5 or 300/5 as applicable with suitable busbar arrangement	120	Set		0.00		0.00		0.00	0.00	INR Zero Only
1.13	G.I. Wire 5 mm (6-SWG) for Earthing	720	Kg.		0.00		0.00		0.00	0.00	INR Zero Only
2.00	New 11 kV Feeder (R.L.:1.288 km assorted) by 11 kV (E), 3C x 300 sq.mm Armoured XLPE Underground Cable (consisting of but not limited to the following major items, subject to site requirement)										
2.01	11 kV (E) 3C x 300 Sq.mm XLPE Cable	1288	Mtr		0.00		0.00		0.00	0.00	INR Zero Only
2.02	11 kV, 3 Phase Indoor/Outdoor type Heat Shrinkable Cable End Termination Kit Complete suitable for 11 kV (E) 3C x 300 Sq.mm XLPE Cable	10	Nos		0.00		0.00		0.00	0.00	INR Zero Only
2.03	11 kV, 3 Phase Straight Through Heat ShrinkableCable Jointing Kit Complete suitable for 11 kV (E) 3C x 300 Sq.mm XLPE Cable	5	Nos		0.00		0.00		0.00	0.00	INR Zero Only
3.00	New 11 kV feeder for bifurcation of existing 11 kV feeder										

3.01	Design, Engineering, Manufacturing, Assembly, Inspection, Testing at manufacturer's works before Dispatch, Packing, Supply, Delivery at site and subsequent Storage of following materials for new 11 kV Underground Cabling Work.										
3.02	New 11 kV Feeder (R.L.: 39 km assorted) by 11 kV (E), 3C x 95 sq.mm Armoured XLPE Underground Cable (consisting of but not limited to the following major items, subject to site requirement)										
3.03	11 kV (E) 3C x 95 Sq.mm XLPE Cable	39	Km		0.00		0.00		0.00	0.00	INR Zero Only
3.04	11 kV, 3 Phase Outdoor type Heat Shrinkable Cable End Termination Kit Complete suitable for 11 kV (E) 3C x 95 Sq.mm XLPE Cable	120	Nos		0.00		0.00		0.00	0.00	INR Zero Only
3.05	11 kV, 3 Phase Heat Shrinkable Straight Through Cable Jointing Kit Complete suitable for 11 kV (E) 3C x 95 Sq.mm XLPE Cable	156	Nos		0.00		0.00		0.00	0.00	INR Zero Only
4.00	Installation 11 KV Ring Main Unit required for 11 KV Underground feeder network for enhancement of reliability										
4.01	New Plinth mounted outdoor 11kV 3 Way/ 4 Way SCADA Compatible Feeder Ring Main Unit (RMU) at assorted locations of 11 kV Underground feeder network										
4.02	Design, Engineering, Manufacturing, Assembly, Inspection, Testing at manufacturer's works before Despatch, Packing, Supply, Delivery at site and subsequent Storage of following items required for installation of 3-phase, 50 Hz, outdoor type 11 kV 3 Way/ 4 Way SCADA Compatible RMU along with all accessories & fittings required for feeder interconnection (incl. foundations) at assorted places complete. (consisting of but not limited to the following major items, subject to site requirement)										
4.03	11 KV, 3-Phase, 50 Hz, Outdoor Type SCADA compatible 3 Way Ring Main Unit and other accessories complete as per TS	15	Nos		0.00		0.00		0.00	0.00	INR Zero Only
4.04	11 KV, 3-Phase, 50 Hz, Outdoor Type SCADA compatible 4 Way Ring Main Unit and other accessories complete as per TS	133	Nos		0.00		0.00		0.00	0.00	INR Zero Only
5.00	New LT feeder for newly installed DTRs (DTR to FPB and FPB to FPB)										
5.01	Design, Engineering, Manufacturing, Assembly, Inspection, Testing at manufacturer's works before Dispatch, Packing, Supply, Delivery at site and subsequent Storage of following materials for new 1.1 kV Underground Cabling Work (both Power supply & Street lighting).										
5.02	New LT Feeder (R.L.: 15 km assorted) by 1.1 kV, 1C x 400 Sq.mm LT XLPE armoured Underground Cable (consisting of but not limited to the following major items, subject to site requirement)										
5.03	1.1 kV 1C x 400 Sq.mm armoured XLPE aluminium conductor Cable with requisite quantities of straight through joints, termination kits, tags, clamps, lugs etc all consumables complete	60.00	Km		0.00		0.00		0.00	0.00	INR Zero Only
6.00	Augmentation/Renovation of existing 11 kV Feeder										
6.01	Design, Engineering, Manufacturing, Assembly, Inspection, Testing at manufacturer's works before Dispatch, Packing, Supply, Delivery at site and subsequent Storage of following materials for new 11 kV Underground Cabling Work after thorough dismantling of overhead conductor network.										
6.02	Dismantling of existing 11 kV overhead conductor network of town followed by new construction of 11 kV Feeder (R.L.:67 Km assorted) by 11 kV (E), 3C x 300 sq.mm Armoured XLPE Underground Cable. (consisting of but not limited to the following major items, subject to site requirement)										
6.03	11 kV (E) 3C x 300 Sq.mm XLPE Cable	67	Km	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	INR Zero Only
6.04	11 kV, 3 Phase Outdoor type Heat Shrinkable Cable End Termination Kit Complete suitable for 11 kV (E) 3C x 300 Sq.mm XLPE Cable	280	Nos	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	INR Zero Only
6.05	11 kV, 3 Phase Outdoor type Heat Shrinkable Straight Through Cable Jointing Kit Complete suitable for 11 kV (E) 3C x 300 Sq.mm XLPE Cable	268	Nos	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	INR Zero Only
7.00	Augmentation/Renovation of existing 1.1 kV Feeder										

7.01	Design, Engineering, Manufacturing, Assembly, Inspection, Testing at manufacturer's works before Dispatch, Packing, Supply, Delivery at site and subsequent Storage of following materials for new 1.1 kV Underground Cabling Work after thorough dismantling of overhead conductor network.										
7.02	Dismantling of existing 1.1 kV overhead conductor network of town followed by new construction of 1.1 kV Feeder (R.L.: 260 Km assorted) by 1.1 kV (E), 4C x300/185/120sq.mm Armoured XLPE Underground Cable. (consisting of but not limited to the following major items, subject to site requirement)										
7.03	1.1 kV (E) 4C x 185 Sq.mm XLPE Cable	108330	Mtr		0.00		0.00		0.00	0.00	INR Zero Only
7.04	1.1 kV (E) 4C x 300 Sq.mm XLPE Cable	95330	Mtr		0.00		0.00		0.00	0.00	INR Zero Only
7.05	1.1 kV (E) 4C x 120 Sq.mm XLPE Cable	56340	Mtr		0.00		0.00		0.00	0.00	INR Zero Only
7.06	1.1 kV, 3 Phase Heat Shrinkable Straight Through Cable Jointing Kit Complete suitable for 1.1 kV (E) 4C x 185/300/120 Sq.mm XLPE Cable as applicable	520	Set		0.00		0.00		0.00	0.00	INR Zero Only
8.00	New Plinth mounted outdoor type LT Feeder Pillar Box at assorted locations of LT under ground feeder network										
8.01	Design, Engineering, Manufacturing, Assembly, Inspection, Testing at manufacturer's works before Despatch, Packing, Supply, Delivery at site and subsequent Storage of following items required for installation of 415 V, 3-phase, 50 Hz, outdoor type Feeder Pillar Box along with all accessories & fittings at assorted places complete. (consisting of but not limited to the following major items, subject to site requirement)										
8.02	415 Volt, 3 Phase, 50 Hz, 900 Amp 6 Way outdoor weatherproof type Feeder Pillar Box(as per site selection) with all necessary accessories including cable glands etc. complete(as per TS and drawing specified by WBSEDCL)	75	Nos		0.00		0.00		0.00	0.00	INR Zero Only
8.03	415 Volt, 3 Phase, 50 Hz, 1200 Amp 8 Way outdoor weatherproof type Feeder Pillar Box(as per site selection) with all necessary accessories including cable glands etc. complete(as per TS and drawing specified by WBSEDCL)	181	Nos		0.00		0.00		0.00	0.00	INR Zero Only
9.00	New Plinth mounted outdoor type LT Junction Box Unit at assorted locations of LT network with replacement of service connection of consumers										
9.01	415 Volt, 3 Phase, 50 Hz, 200 Amp outdoor weather proof type Service Junction Box with all necessary accessories including cable glands etc. complete (as per TS and drawing specified by WBSEDCL)	2400	Nos		0.00		0.00		0.00	0.00	INR Zero Only
9.02	415 Volt, 3 Phase, 50 Hz, 200 Amp outdoor weather proof type Plot Junction Box with all necessary accessories including cable glands etc. complete (as per TS and drawing specified by WBSEDCL)	960	Nos		0.00		0.00		0.00	0.00	INR Zero Only
9.03	415 Volt, 3 Phase, 50 Hz, 200 Amp outdoor weather proof type Street Light Junction Box with all necessary accessories including cable glands etc. complete (as per TS and drawing specified by WBSEDCL)	120	Nos		0.00		0.00		0.00	0.00	INR Zero Only
9.04	G.I Earth Spike (1853 x 20 mm) with requisite quantities of bonding conductors, clamps, galvanized nuts, bolts etc. complete	7472	Nos	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	INR Zero Only
9.05	G.I. Wire 5 mm (6-SWG) for Earthing	14944	Kg.	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	INR Zero Only
9.06	1.1 kV 2C x 6 sq.mm armoured XLPE Aluminium conductor cable with requisite quantities of joints, tags, clamps, lugs etc. all consumables complete	100	Km		0.00		0.00		0.00	0.00	INR Zero Only
9.07	1.1 kV 4C x 25 sq.mm armoured XLPE Aluminium conductor cable with requisite quantities of joints, tags, clamps, lugs etc. all consumables complete	25.00	Km		0.00		0.00		0.00	0.00	INR Zero Only
9.08	1.1 kV 4C x 16 sq.mm armoured XLPE Aluminium conductor cable with requisite quantities of joints, tags, clamps, lugs etc. all consumables complete for street Light	50.00	Km		0.00		0.00		0.00	0.00	INR Zero Only
9.09	1.1 kV 4C x 50 sq.mm armoured XLPE Aluminium conductor cable with requisite quantities of joints, tags, clamps, lugs etc. all consumables complete	24.00	Km		0.00		0.00		0.00	0.00	INR Zero Only
9.10	Supply of LT Cable fault locator(1.1/2.5 KV grade as specified in TS) (As per latest TS and specification uploaded in WBSEDCLportal/approved by WBSEDCL /future approval)with accessories	1.00	Nos		0.00		0.00		0.00	0.00	INR Zero Only
10.00	Supply of medium duty PVC conforming to ASTM D-1785 and threaded to match with G.I pipes as per IS-1239 (Part 1) with all necessary accessories, special viz. socket, bend, tee, union, cross, elbow etc. for provision of laying 1.1 KV UG Cables. The following are the sizes.										
10.01	150 mm Dia	500.00	Mtr		0.00		0.00		0.00	0.00	INR Zero Only
10.02	100 mm Dia	500	Mtr		0.00		0.00		0.00	0.00	INR Zero Only

10.03	80 mm Dia	500	Mtr		0.00		0.00		0.00	0.00	INR Zero Only
10.04	50 mm Dia	500	Mtr		0.00		0.00		0.00	0.00	INR Zero Only
10.05	40 mm Dia	10000	Mtr		0.00		0.00		0.00	0.00	INR Zero Only
10.06	32 mm Dia	136000	Mtr		0.00		0.00		0.00	0.00	INR Zero Only
11.00	33 KV UNDER GROUND LINE FOR NORMAL ROAD & METAL ROAD LAYING/ RAILWAY/HIGH ROAD CROSSING WITH 3Cx400 Sqmm XLPE Armoured Cable AS REQUIRED AS PER TECHNICAL SPECIFICATIONS, APPROVED DRAWING AND SCOPE OF THE WORK.										
11.01	Design, Engineering, Manufacturing, Assembly, Inspection, Testing at manufacturer's works before Dispatch, Packing, Supply, Delivery at site and subsequent Storage of following materials for new 33 kV Underground Cabling Work after thorough dismantling of 33 KV overhead conductor network.										
11.02	33KV XLPE 3CX400 Sq. MM UG Cable	6.00	Km		0.00		0.00		0.00	0.00	INR Zero Only
11.03	XLPE Cable Jointing Kit, 33 KV Outdoor Type	18	Nos		0.00		0.00		0.00	0.00	INR Zero Only
11.04	XLPE Cable Jointing Kit, 33 KV Straight Through Type	24	Nos		0.00		0.00		0.00	0.00	INR Zero Only
11.05	G.I Earth Spike (1853 x 20 mm) with requisite quantities of bonding conductors, clamps, galvanized nuts, bolts etc. complete	8	Nos	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	INR Zero Only
11.06	G.I. Wire 5 mm (6-SWG) for Earthing	16.00	Kg.	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	INR Zero Only
11.07	Rail Pole 12.8 mtr long 52 kg/mtr	8	Nos		0.00		0.00		0.00	0.00	INR Zero Only
11.08	MS Channel 100X50 mm(Hot dip galvanised)	300	Kg.		0.00		0.00		0.00	0.00	INR Zero Only
11.09	MS Channel 75X40 mm(Hot dip galvanised)	320	Kg.		0.00		0.00		0.00	0.00	INR Zero Only
11.10	MS Angle 65X65X6mm(Hot dip galvanised)	400	Kg.		0.00		0.00		0.00	0.00	INR Zero Only
11.11	MS Flat 65X6 mm(Hot dip galvanised)	100	Kg.		0.00		0.00		0.00	0.00	INR Zero Only
11.12	33 KV Polymer Composite Pin Insulator	36	Nos		0.00		0.00		0.00	0.00	INR Zero Only
11.13	42 KV LA	6	Nos		0.00		0.00		0.00	0.00	INR Zero Only
12.00	Tee off arrangement for existing DTR										
12.01	PCC pole 9 Mtrs Long	20	Nos		0.00		0.00		0.00	0.00	INR Zero Only
12.02	ACSR Dog(100 Sq.mm)Conductor	130	Mtr		0.00		0.00		0.00	0.00	INR Zero Only
12.03	MS Channel 75X40 mm (Hot dip galvanised)	900	Kg.	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	INR Zero Only
12.04	MS Angle 65X65X6 mm (Hot dip galvanised)	130	Kg.	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	INR Zero Only
12.05	MS Flat 65X6 mm (Hot dip galvanised)	385	Kg.	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	INR Zero Only
12.06	G.I. Stay Set H.T.	20	Nos		0.00		0.00		0.00	0.00	INR Zero Only
12.07	G.I Earth Spike (1853 x 20 mm) with requisite quantities of bonding conductors, clamps, galvanized nuts, bolts etc. complete	20	Nos	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	INR Zero Only
12.08	11 KV 320 mm CD Polymer Composite Pin Insulator	120	Nos		0.00		0.00		0.00	0.00	INR Zero Only
12.09	11KV Polymer Composite 45 KN Disc Insulator	60	Nos		0.00		0.00		0.00	0.00	INR Zero Only
12.10	TPGO Isolator : 11 KV:400 Amps	20	Nos		0.00		0.00		0.00	0.00	INR Zero Only
13.00	Design, Engineering, Manufacturing, Assembly, Inspection, Testing at manufacturers works before Despatch, Packing, Supply, Delivery at site and subsequent Storage of following materials required for Replacement and Relocation of Meters										
13.01	Supply of Meter pillar Box complete as per Technical Specification & Drawing (Meter supply within WBSEDCL scope)										
13.02	To contain 6 nos Single Phase meters	100	Nos		0.00		0.00		0.00	0.00	INR Zero Only
13.03	To contain 4 nos Single Phase meters	100	Nos		0.00		0.00		0.00	0.00	INR Zero Only
13.04	1.1 KV Grade,2-Core,PVC Cable 4.0 Sq mm	1000	Mtr		0.00		0.00		0.00	0.00	INR Zero Only
13.05	1.1 KV Grade,2-Core,PVC Cable 6.0 Sq mm	1000	Mtr		0.00		0.00		0.00	0.00	INR Zero Only
13.06	1.1 KV Grade,4-Core,PVC Cable 25 Sq mm	1000	Mtr		0.00		0.00		0.00	0.00	INR Zero Only
14.00	Street Light Connection:-										

14.01	Supplying & Fixing GI waterproof looping cable box size 200X250X100 mm deep having 1.6 mm thick comprising of two nos 250 V 16 A kit-Kat fuse unit,one compression type brass cable gland for upto 4 Core 16 sq mm PVC/XLPE cable and having lined with rubber gasketed GI top cover with brass machine screws etc.,earthing terminal with lug,on existing pole near base,including S&F 40X6 mm thick,pole fixing MS clamps with bolts,nuts etc.including painting with anticorrosive paint(as per drawing & GTP approved by WBSEDCL).	5000	Set		0.00		0.00		0.00	0.00	INR Zero Only
15.00	Supply of LT AB Cable and accessories										
15.01	LT AB NEW(Route Length- 112 CKT)										
15.02	Support for LT overhead Line as per technical specification, approved drawings and scope of work.										
15.03	8 m/200 kgs PCC Poles	2517	Nos		0.00		0.00		0.00	0.00	INR Zero Only
15.04	Galvanised Stay Set with anchor plate (150x150x6mm), stay clamp using MS Flat(65x6 mm) 1 No , 1 No guy insulator, nut bolts, 1 Nos turn buckle, 1.68 m long 16 mm diameter solid GI Stay rod & 7/2.5 mm Dia GI stranded wire , etc as required as per technical specification, approved drawings and scope of work.	2089	Set		0.00		0.00		0.00	0.00	INR Zero Only
15.05	Earthing as per approved drawings, technical specifications and scope of work										
15.06	G.I Earth Spike (1853 x 20 mm) with requisite quantities of bonding conductors, clamps, galvanized nuts, bolts etc. complete	2517	Nos	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	INR Zero Only
15.07	G.I. Wire 5 mm (6-SWG) for Earthing	6619	Kg.	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	INR Zero Only
15.08	New Aerial bunched cable (3 X 50 SQ.MM+1x35 SQ. MM.+1x16 SQ. MM.) as per technical specification, approved drawings and scope of work:	118	Km		0.00		0.00		0.00	0.00	INR Zero Only
15.09	200 A .3 Phase SMC Box Bolted Type LT Distribution Box Along with Fixing Arrangements as per technical specifications and scope of work	2517	Set		0.00		0.00		0.00	0.00	INR Zero Only
15.10	Suspension Clamp with Bracket for 35 Sq. mm. Messanger	2013	Set		0.00		0.00		0.00	0.00	INR Zero Only
15.11	Anchor Clamp with Bracket for 35 Sq. mm. Messanger	1007	Set		0.00		0.00		0.00	0.00	INR Zero Only
16.00	Supply of PLB HDPE Pipe as per IS 9938 for provision of laying Optical Fibres. Cables shall be laid in the pipe to be buried along the excavated trench as per the approved design. The PLB HDPE pipe shall be complete with collors, bends, tee-offs etc. other accessories for complete work. The following are the sizes.										
16.01	40 mm Diameter HDPE Pipe	74288	Mtr		0.00		0.00		0.00	0.00	INR Zero Only
16.02	Supply of Unarmoured Fibre Optical cable of 24 core (Type of Fibre- G.652D) for SCADA Communication as per tech. spec.(TS.-SEC.-XX) .	74288	Mtr		0.00		0.00		0.00	0.00	INR Zero Only
	Total				0.00		0.00		0.00	0.00	INR Zero Only
	Discount in (%)									0.00%	
	Discount Amount in (Rs.)								0.00	0.00	INR Zero Only
Total in Figures									0.00	0.00	INR Zero Only
Quoted Rate in Figures			Select						0.0000	0.0000	Zero Only

Tender Inviting Authority: Chief Engineer (Project - III), WBSEDCL
Name of Work: “Conversion of Overhead Network into Underground cable system at Rajarhat Town under North 24 Parganas district within the state of West Bengal”
Bid Reference: WBSEDCL/Dist. Project-III/Tender/2020-21/UG/WB/08, Date: 05.01.2021, Schedule-4 (Erection)

Bidder Name :								
		PRICE SCHEDULE						
Sl. No.	Description of Works	Total Quantity	Units	Unit Erection charges (To be entered by the Bidder)(in Rs.)	Total Erection charges price in Figures	% GST charges on Total Erection charges(in %)	TOTAL AMOUNT Without Taxes	TOTAL AMOUNT With Taxes
1	2	6	7	15	16	17	55	56
1.00	PART-I : ELECTRICAL & STRUCTURAL WORK							
1.01	Distribution Transformer							
1.02	New 315 and 160 kVA DTR at new location and Dismantling of existing DTR (with return to WBSEDCL store of all conductors,insulators,fittings ,poles etc as per instruction of site engineer)							
1.03	Erection, testing and commissioning of 3-Phase, 50 Hz, Outdoor Type 11/0.433 kV ONAN 315 and 160 KVA DTR along with fixing of cable end socket and busbar, all accessories & fittings, on 7.03 mtr H-Beam Pole-ISMB 250 (37.3 kg/mtr.) DP structures including foundations at assorted places as per scope specified in AQS. (consisting of but not limited to the following major items, subject to site requirement) with dismantling of old and used DTR/DTRs and return to WBSEDCL store in good order and condition as per instruction of site engineer							
1.04	Erection of 7.03 mtr H-Beam Pole-ISMB 250 (37.3 kg/mtr.) DP with all fabrications & fittings complete(with in built ladder structure of 20 mm dia solid rods on both H-beams) & Proper Grouting complete including supply of nut bolts and proper painting(must be cleaned until good surface finish,painted with minimum two coats of red oxide primer and two coats of anti-corrosive aluminium paint of approved brand,with peripheral blue colour band and anti corrosive blank paint of approved brand for planting depth with suitable marking) as per TS/ Drawing.	84	Nos		0.00		0.00	0.00
1.05	Earthing of Transformer as per drawing consisting of 1 nos, 3 metres long 50 mm dia. medium duty(ISI Make) G.I TATA make Pipe (M),with perforation of 12 mm Diameter each at 300 mm intervals spirally ,to be driven to earth so that the top of the pipe is driven 0.5 Mtr. below GL.The neutral point of DTR/body separately earthed and the above G.I. pipe is to be linked up with G.I.Strip(50X6mm).The said strip is to be connected by using galvanised bolt,double nuts,double washer at pipe end and at DTR neutral stud point only/DTR body with galvanised nuts and washers at both end of GI strip as per enclosed drawing (Ref Order No. CE/DP/17-18/26/10068 Dt 12.12.2017 (including supply of all materials) ,using Bentonite powder with water(1:2) for earthing in 40Kg/pit (separate earthing for DTR body and neutral earthing),as per IS 3043. DTR neutral earthing and body earthing should be separate.	240	Nos		0.00		0.00	0.00
1.06	Fixing of Caution Board (11 kV)	120	Nos		0.00		0.00	0.00
1.07	Erection, Testing & Commissioning of 160kVA, 11/0.433 kV DTR with all connection complete	10	Nos		0.00		0.00	0.00
1.08	Erection, Testing & Commissioning of 315kVA, 11/0.433 kV DTR with all connection complete	110	Nos		0.00		0.00	0.00
1.09	Earthing complete with driving of earth spike and connection of earth electrode with non current carrying parts of supports,stay wire etc.	360	Nos		0.00		0.00	0.00

1.10	Supply & fitting and fixing of steel foldable platform with steel hollow section (25mmx 25mmx 2.6mm) mesh supported by steel hollow section (50mmx 25mmx 2.9mm) bars beneath HV and LV cable termination box (for future maintenance work) suitably fixed with H Beam DP structure fixed with both end steel chains suitable for loading of personnel and maintenance items as per TS and Drawing.	84	Nos		0.00		0.00	0.00
1.11	Supply and fixing/laying of GI Pipe (Medium) as per I.S.I.of G.I.pipe 150 mm dia(Medium) suitable for cable protection as per instruction of site engineer	336	Mtr		0.00		0.00	0.00
1.12	Supply and fixing/laying of GI Pipe (Medium) as per I.S.I.of G.I.pipe 50 mm dia(Medium) suitable for cable protection as per instruction of site engineer	168	Mtr		0.00		0.00	0.00
1.13	Erection, Testing & Commissioning of 3 Ph 4W CT operated fully static AMR compatible Tri Vector Energy meter with pilfer proof Meter box and proper connection with associated 12c x 2.5 sqmm & 4c x 2.5 sqmm 1.1 kV grade PVC insulated unarmoured Copper conductor cable by requisite numbers of lugs, ferrules and termination sockets complete& erection, testing & commissioning of Resin cast Ring type LTCT (4 nos. per Kiosk) alongwith CRCA Kiosk	120	Set		0.00		0.00	0.00
2.00	New 11 kV feeder newly installed DTRs							
2.01	<i>Dismantling of existing HT OH network of town (with return to WBSEDCL store of all conductors,insulators,fittings ,poles etc as per instruction of site engineer) and construction of New 11 kV Feeder (R.L.: 1.288 km assorted) by 11 kV (E), 3C x 300 sq.mm Armoured XLPE Underground Cable (consisting of but not limited to the following major items, subject to site requirement),as per I.S. 1255-1983</i>							
2.02	<i>GPS survey and submission of preparation and handover of preliminary and final in built drawing(minimum 6 copies in hard,soft copies and digital format described in GTC) with details of UG cable size,location of joints with distance from landmarks shown on drawing,depth of Opencut & Microtunneling and span(after completion of work),to authorised site engineer of WBSEDCL, obtaining approval from statutory authority, Laying, dressing, testing & commissioning of all the materials for Underground Cabling work either directly buried in soil or through buried conduit, Erection & Fixing of suitable termination Kit & Straight Through Jointing Kit & Fixing of cable route marker at WBSEDCL identified location and preparation of actual route map as per scope specified in GTC &AQS.Format for asset mapping as per data model to be provided by WBSEDCL</i>							
2.03	Survey and preparation of provisional route plan for the upcoming underground cabling work to feed newly installed DTRs	1288	Mtr		0.00		0.00	0.00
2.04	Laying & dressing of 11 kV (E), 3C x 300 sq.mm Armoured XLPE Underground Cable in the excavated cable trenches as per drawing no.PLN(D)/SS/104, dt. 05.05.2015 and instruction of the Site Engineer(with supply and laying of Caution Tape(LDPE plastic tape(1500mm wideX500 mm long with thickness of P100 microns(0.1 mm) as per GTC) over the cable with specified clearance from cable top and GL)(Cost of supply of sand to be considered in Part II :civil works)	700	Mtr		0.00		0.00	0.00
2.05	Laying of 11 KV grade 11 kV (E), 3C x 300 sq.mm cable above ground or riser cable through suitable size of Ductile pipe where excavation of earth is not required.(Ductile pipe already included separately in BOQ)	47	Mtr		0.00		0.00	0.00
2.06	Making of Straight Through/Transition Joint including making of jointing pit of 11 KV XLPE cable without supply of jointing materials excluding making of "protection duct for cable joint"	5	Nos		0.00		0.00	0.00
2.07	Making & fixing of end termination joint indoor or outdoor type for 11 KV XLPE cable including fixing of the jointing box at the existing structure but without the jointing materials as per instruction of the Site Engineer.	10	Nos		0.00		0.00	0.00
2.08	Micro-Tunnelling work (as per guideline of WBSEDCL) with laying of HDPE pipe as per instruction of Site Engineer and as per site condition with laying of U.G cable in the HDPE pipe including supply of HDPE pipe as per IS: 4984-1995 including preparation and submission of drawing for such cable laying with 160mm dia HDPE pipeType PE 80 PN 6	420	Mtr		0.00		0.00	0.00
2.09	Laying of HDPE pipe as per Jack push method as per instruction of Site Engineer and as per site condition with laying of U.G cable including supply of HDPE pipe as per IS: 4984-1995with 160mm dia HDPE pipe Type PE 80 PN 6	93	Mtr		0.00		0.00	0.00
2.10	Supply & Laying of 150 mm dia. RCC spun pipe NP4 with spigot socket for Culvert/ Nullahs/ Drains/ road x-ing etc. On first class bedding of granular material in single row including fixing with cement mortar 1:2 as per T.S . This cost includes cutting of pipes, fittings of necessary accessories, laying of cable in the pipe as per the approved design.(No separate payment will be made for accessories)	28	Mtr		0.00		0.00	0.00

2.11	Preparation and submission of final 'as built' drawings to WBSEDCL(as per GTC,AQS and additional Technical Specifications)	1288	Mtr		0.00		0.00	0.00
3.00	Dismantling of existing 11 KV OH network of town (with return to WBSEDCL store of all conductors,insulators,fittings ,poles etc as per instruction of site engineer) & Constuction of New 11 kV Feeder (R.L.: 39 km assorted) by 3C x 95 sq.mm Armoured XLPE Underground Cable (consisting of but not limited to the following major items, subject to site requirement),as per I.S. 1255-1983							
3.01	GPS survey and submission of preliminary and final in built drawing(minimum 6 copies in hard,soft copies and digital format described in GTC) with details of UG cable size,location of joints with distance from landmarks shown on drawing,depth of Opencut & Microtunneling and span(after completion of work),to authorised site engineer of WBSEDCL, obtaining approval from statutory authority, Laying, dressing, testing & commissioning of all the materials for Underground Cabling work either directly buried in soil or through buried conduit, Erection & Fixing of suitable termination Kit & Straight Through Jointing Kit & Fixing of cable route marker at WBSEDCL identified location and preparation of actual route map as per scope specified in GTC & AQS.Format for asset mapping as per data model to be provided by WBSEDCL.							
3.02	Survey and preparation of provisional route plan for the upcoming underground cabling work to feed newly installed DTRs	39	Km		0.00		0.00	0.00
3.03	Laying & dressing of 11 kV (E), 3C x 95 sq.mm Armoured XLPE Underground Cable in the excavated cable trenches as per drawing no.PLN(D)/SS/104, dt. 05.05.2015 and instruction of the Site Engineer, with supply and laying of Caution Tape(LDPE plastic tape(1500mm wideX500 mm long with thickness of P100 microns(0.1 mm) as per GTC) over the cable with specified clearance from cable top and GL) (Cost of supply of sand to be considered in Part II :civil works)	30000	Mtr		0.00		0.00	0.00
3.04	Laying of 11 kV (E), 3C x 95 sq.mm cable above ground or riser cable through suitable size of Ductile pipe where excavation of earth is not required.(Ductile pipe already included separately in BOQ)	3000	Mtr		0.00		0.00	0.00
3.05	Making of Straight Through/Transition Joint including making of jointing pit of 11 KV XLPE cable without supply of jointing materials excluding making of "protection duct for cable joint"	156	Nos		0.00		0.00	0.00
3.06	Making & fixing of end termination joint indoor or outdoor type for 11 KV XLPE cable including fixing of the jointing box at the existing structure but without the jointing materials as per instruction of the Site Engineer.	120	Nos		0.00		0.00	0.00
3.07	Micro-Tunnelling work (as per guideline of WBSEDCL) with laying of HDPE pipe as per instruction of Site Engineer and as per site condition with laying of U.G cable in the pipe including supply of HDPE pipe as per IS: 4984-1995 including preparation and submission of drawing for such cable laying with 110mm diam HDPE pipe PE 80 PN 6	1500	Mtr		0.00		0.00	0.00
3.08	Laying of HDPE pipe as per Jack push method as per instruction of Site Engineer and as per site condition with laying of U.G cable in the pipe including supply of HDPE pipe as per IS: 4984-1995 with 110 mm dia HDPE pipe PE 80 PN 6	1500	Mtr		0.00		0.00	0.00
3.09	Supply & Laying of 150 mm dia. RCC spun pipe NP4 with spigot socket for Culvert/ Nullahs/ Drains/ road x-ing etc. On first class bedding of granular material in single row including fixing with cement mortar 1:2 as per T.S . This cost includes cutting of pipes, fittings of necessary accessories, laying of cable in the pipe as per the approved design.(No seperate payment will be made for accessories)	3000	Mtr		0.00		0.00	0.00
3.10	Preparation and submission of final 'as built' drawings to WBSEDCL(as per GTC,AQS and additional Technical Specifications)	39	KM		0.00		0.00	0.00
4.00	Installation of 11 KV Ring Main Unit required for 11 KV feeder network for enhancement of reliability							

4.01	New Plinth mounted outdoor 11kV Feeder Ring Main Unit (RMU) at assorted locations Detailed location Survey followed by Erection, Testing & Commissioning of 11 kV 3-phase, 50 Hz, outdoor type 3 Way/ 4 Way SCADA compatible RMU along with all accessories & fittings complete at assorted places with earthing(2nos pipe earthing /RMU). [Consisting of but not limited to the following items, subject to site requirement]							
4.02	Erection of Outdoor 11 KV 250/ 350 MVA 400 / 630A 3 way RMU metering /non-metering VCB complete on existing plinth as per WBSEDCL's approved drawing and as per instruction of Site Engineer.	15	Nos		0.00		0.00	0.00
4.03	Erection of Outdoor 11 KV 250/ 350 MVA 400 / 630A 4 way RMU metering /non-metering VCB complete on existing plinth as per WBSEDCL's approved drawing and as per instruction of Site Engineer.	133	Nos		0.00		0.00	0.00
4.04	Earthing of RMU as per drawing consisting of 1 nos, 3 metres long 50 mm dia. medium duty(ISI Make) G.I TATA make Pipe (M),with perforation of 12 mm Diameter each at 300 mm intervals spirally ,to be driven to earth so that the top of the pipe is driven 0.5 Mtr. below GL, installation & connection in between earth pipe and other equipments using G,I Flat 50mm x 6 mm. by welding complete with galvanised nuts and washers at both end , using Bentonite powder with water(1:2) for earthing in 40Kg/pit and as per instruction of the Site Engineer (including supply of all materials) ,total 2 pipe earthing /RMU, as per IS 3043.	296	Nos		0.00		0.00	0.00
5.00	New LT feeder for newly installed DTRs (DTR to FPB and FPB to FPB)							
5.01	Dismantling of existing LT OH network of town (with return to WBSEDCL store of all conductors,insulators,fittings ,poles etc as per instruction of site engineer) & Construction of New LT Feeder (R.L.: 15 km assorted) by 1.1 kV, 1C x 400 Sq.mm LT XLPE armoured Underground Cable (consisting of but not limited to the following major items, subject to site requirement),as per I.S. 1255-1983							
5.02	GPS survey and submission of preliminary and final in built drawing(minimum 6 copies in hard,soft copies and digital format described in GTC)with details of UG cable size,location of joints with distance from landmarks shown on drawing,depth of Opencut & Microtunneling and span(after completion of work),to authorised site engineer of WBSEDCL, obtaining approval from statutory authority, Laying, dressing, testing & commissioning of all the materials for Underground Cabling work either directly buried in soil or through buried conduit by 1.1 kV, 1CX400 Sq.mm XLPE cable (for Power) including all accessories, termination etc.at WBSEDCL identified location with preparation of actual route map as per scope specified in GTC & AQS.Format for asset mapping as per data model to be provided by WBSEDCL.							
5.03	Survey of L.T cable route as per instruction of Site Engineer and submission of route survey drawing (in two copies) inscribing different land marks	15.00	Km		0.00		0.00	0.00
5.04	Laying & dressing of 1.1 kV (E), 1C x 400 sq.mm Armoured XLPE Underground Cable in the excavated cable trenches as per drawing no.PLN(D)/SS/104, dt. 05.05.2015 and instruction of the Site Engineer. with supply and laying of Caution Tape(LDPE plastic tape(1500mm wideX500 mm long with thickness of P100 microns(0.1 mm) as per GTC) over the cable with specified clearance from cable top and GL) (Cost of supply of sand to be considered in Part II :civil works)	30000	Mtr		0.00		0.00	0.00
5.05	Laying of 1.1 KV grade 1.1 kV (E), 1C x 400 sq.mm cable above ground or riser cable through suitable size of Ductile pipe where excavation of earth is not required.(Ductile pipe already included separately in BOQ)	6000	Mtr		0.00		0.00	0.00
5.06	Making of end termination of the following 1.1 KV 1Cx400 XLPE Cable including supply of suitable cable glands, tapes, lugs, sockets & other necessary materials as per instruction of the Site Engineer.	2520	Nos		0.00		0.00	0.00
5.07	Micro-Tunnelling work with laying of HDPE pipe as per instruction of Site Engineer and as per site condition with laying of U.G cable in the pipe including supply of HDPE pipe as per IS: 4984-1995 including preparation and submission of drawing for such cable laying with 160mm dia HDPE pipe PE 80 PN 6	3000	Mtr		0.00		0.00	0.00
5.08	Laying of 160mm dia HDPE pipe as per Jack push method as per instruction of Site Engineer and as per site condition with laying of U.G cable in the pipe including supply of HDPE pipe as per IS: 4984-1995with 160mm dia HDPE pipe Type PE 80 PN 6	18000	Mtr		0.00		0.00	0.00

5.09	Supply & Laying of 150 mm dia. RCC spun pipe NP4 with spigot socket for Culvert/ Nullahs/ Drains/ road x-ing etc. On first class bedding of granular material in single row including fixing with cement mortar 1:2 as per T.S . This cost includes cutting of pipes, fittings of necessary accessories, laying of cable in the pipe as per the approved design.(No separte payment will be made for accessories)	3000	Mtr		0.00		0.00	0.00
5.08	Preparation and submission of final 'as built' drawings to WBSEDCL(as per GTC,AQS and additional Technical Specifications)	15.00	KM		0.00		0.00	0.00
6.00	Augmentation/Renovation of existing 11 kV Feeder							
6.01	<i>Dismantling of existing 11 kV overhead conductor network of town followed by new construction of 11 kV Feeder (R.L.:67 Km assorted) by 11 kV (E), 3C x 300 sq.mm Armoured XLPE Underground Cable. (consisting of but not limited to the following major items, subject to site requirement),as per I.S. 1255-1983</i>							
6.02	<i>GPS survey and submission of preparation and handover of preliminary and final in built drawing(minimum 6 copies in hard,soft copies and digital format described in GTC) with details of UG cable size,location of joints with distance from landmarks shown on drawing,depth of Opencut & Microtunneling and span(after completion of work),to authorised site engineer of WBSEDCL, obtaining approval from statutory authority, Laying, dressing, testing & commissioning of all the materials for Underground Cabling work either directly buried in soil or through buried conduit, Erection & Fixing of suitable termination Kit & Straight Through Jointing Kit & Fixing of cable route marker at WBSEDCL identified location and preparation of actual route map as per scope specified in GTC &AQS, to feed existing DTRs.Format for asset mapping as per data model to be provided by WBSEDCL.</i>							
6.03	Survey and preparation of provisional route plan for the upcoming underground cabling work to feed newly installed DTRs	67	Km	0.00	0.00	0.00%	0.00	0.00
6.04	Laying & dressing of 11 kV (E), 3C x 300 sq.mm Armoured XLPE Underground Cable in the excavated cable trenches as per drawing no.PLN(D)/SS/104, dt. 05.05.2015 and instruction of the Site Engineer(with supply and laying of Caution Tape(LDPE plastic tape(1500mm wideX500 mm long with thickness of P100 microns(0.1 mm) as per GTC) over the cable with specified clearance from cable top and GL)(Cost of supply of sand to be considered in Part II :civil works)	26800	Mtr	0.00	0.00	0.00%	0.00	0.00
6.05	Laying of 11 KV grade 11 kV (E), 3C x 300 sq.mm cable above ground or riser cable through suitable size of Ductile pipe where excavation of earth is not required.(Ductile pipe already included separately in BOQ)	6700	Mtr	0.00	0.00	0.00%	0.00	0.00
6.06	Making of Straight Through/Transition Joint including making of jointing pit of 11 KV XLPE cable without supply of jointing materials excluding making of "protection duct for cable joint"	268	Nos	0.00	0.00	0.00%	0.00	0.00
6.07	Making & fixing of end termination joint indoor or outdoor type for 11 KV XLPE cable including fixing of the jointing box at the existing structure but without the jointing materials as per instruction of the Site Engineer.	280	Nos	0.00	0.00	0.00%	0.00	0.00
6.08	Micro-Tunnelling work (as per guideline of WBSEDCL)with laying of HDPE pipe as per instruction of Site Engineer and as per site condition for laying of U.G cable including supply of HDPE pipe as per IS: 4984-1995 including preparation and submission of drawing for such cable laying with 160mm diam HDPE pipe PE 80 PN 6	26800	Mtr	0.00	0.00	0.00%	0.00	0.00
6.09	Laying of HDPE pipe as per Jack push method as per instruction of Site Engineer and as per site condition for laying of U.G cable including supply of HDPE pipe as per IS: 4984-1995with 160mm diam HDPE pipe PE 80 PN 6	3350	Mtr	0.00	0.00	0.00%	0.00	0.00
6.10	Supply & Laying of 150 mm dia. RCC spun pipe NP4 with spigot socket for Culvert/ Nullahs/ Drains/ road x-ing etc. On first class bedding of granular material in single row including fixing with cement mortar 1:2 as per T.S . This cost includes cutting of pipes, fittings of necessary accessories, laying of cable in the pipe as per the approved design.(No separte payment will be made for accessories)	3350	Mtr	0.00	0.00	0.00%	0.00	0.00
6.11	Preparation and submission of final 'as built' drawings to WBSEDCL(as per GTC,AQS and additional Technical Specifications)	67	KM	0.00	0.00	0.00%	0.00	0.00
7.00	Augmentation/Renovation of existing LT Feeder							

7.01	<i>Dismantling of existing overhead LT Feeder followed by new construction of Underground cabling by 1.1 kV 4CX300,4C x 185,4CX120 sq.mm XLPE Cable (R.L.: 260 km assorted) (consisting of but not limited to the following major items, subject to site requirement),as per I.S. 1255-1983</i>						
7.02	GPS survey and submission of preliminary and final in built drawing(minimum 6 copies in hard,soft copies and digital format described in GTC) with details of UG cable size,location of joints with distance from landmarks shown on drawing,depth of Opencut & Jackpush and span(after completion of work),to authorised site engineer of WBSEDCL upto consumer premises as per instruction of Site Engineer inscribing different land marks as per GTC and AQS. Format for asset mapping as per data model to be provided by WBSEDCL.	260	Km		0.00		0.00
7.03	Laying & dressing of 1.1 kV (E), 4C x 185 sq.mm Armoured XLPE Underground Cable in the excavated cable trenches as per drawing no.PLN(D)/SS/104, dt. 05.05.2015 and instruction of the Site Engineer. with supply and laying of Caution Tape(LDPE plastic tape((1500mm wideX500 mm long with thickness of P100 microns(0.1 mm) as per GTC) over the cable with specified clearance from cable top and GL) (Cost of supply of sand to be considered in Part II :civil works)	78000	Mtr		0.00		0.00
7.04	Laying & dressing of 1.1 kV (E), 4CX300 sq.mm Armoured XLPE Underground Cable in the excavated cable trenches as per drawing no.PLN(D)/SS/104, dt. 05.05.2015 and instruction of the Site Engineer. with supply and laying of Caution Tape(LDPE plastic tape((1500mm wideX500 mm long with thickness of P100 microns(0.1 mm) as per GTC) over the cable with specified clearance from cable top and GL) (Cost of supply of sand to be considered in Part II :civil works)	65000	Mtr		0.00		0.00
7.05	Laying & dressing of 1.1 kV (E), 4CX120 sq.mm Armoured XLPE Underground Cable in the excavated cable trenches as per drawing no.PLN(D)/SS/104, dt. 05.05.2015 and instruction of the Site Engineer. with supply and laying of Caution Tape(LDPE plastic tape((1500mm wideX500 mm long with thickness of P100 microns(0.1 mm) as per GTC) over the cable with specified clearance from cable top and GL) (Cost of supply of sand to be considered in Part II :civil works)	26000	Mtr		0.00		0.00
7.06	Laying of 1.1 KV grade 1.1 kV (E), 4CX300,4C x 185,4CX120 sq.mm cable above ground or riser cable through suitable size of Ductile pipe where excavation of earth is not required.(Ductile pipe already included separately in BOQ)	26000	Mtr		0.00		0.00
7.07	Making of Straight Through/Transition Joint including making of jointing pit of 1.1 KV XLPE cable without supply of jointing materials excluding making of "protection duct for cable joint"	520	Nos		0.00		0.00
7.08	Making of end termination of the following 1.1 KV XLPE Cable including supply of suitable cable glands, tapes, lugs, sockets & other necessary materials as per instruction of the Site Engineer.	8632	Nos		0.00		0.00

7.09	Micro-Tunnelling work with laying of HDPE pipe as per instruction of Site Engineer and as per site condition with laying of U.G cable(4X300/4Cx185/4Cx120) inside the pipe including supply of HDPE pipe as per IS: 4984-1995 including preparation and submission of drawing for such cable laying with 160mm dia HDPE pipe PE 80 PN 6	39000	Mtr		0.00		0.00	0.00
7.10	Laying of 160mm diam HDPE pipe as per Jack push method as per instruction of Site Engineer and as per site condition with laying of U.G cable(4X300/4Cx185/4Cx120) inside the pipe including supply of HDPE pipe as per IS: 4984-1995 PE 80 PN 6	13000	Mtr		0.00		0.00	0.00
7.11	Supply & Laying of 150 mm dia. RCC spun pipe NP4 with spigot socket for Culvert/ Nullahs/ Drains/ road x-ing etc. On first class bedding of granular material in single row including fixing with cement mortar 1:2 as per T.S . This cost includes cutting of pipes, fittings of necessary accessories, laying of cable in the pipe as per the approved design.(No seperate payment will be made for accessories)	13000	Mtr		0.00		0.00	0.00
7.12	Preparation and submission of final 'as built' drawings to WBSEDCL(as per GTC,AQS and additional Technical Specifications)	260	KM		0.00		0.00	0.00
8.00	New Plinth mounted outdoor type LT Feeder Pillar Box at assorted locations of underground feeder network							
8.01	Detailed GIS location Survey, Erection, Testing & Commissioning of 415 V, 3-phase, 50 Hz, outdoor type Feeder Pillar Box along with all accessories & fittings at assorted places required for LT feeder distribution complete. (consisting of but not limited to the following major items, subject to site requirement). Format for asset mapping as per data model to be provided by WBSEDCL.							
8.02	415 Volt, 3 Phase, 50 Hz, 900 Amp 6 way outdoor weatherproof type Feeder Pillar Box (as per site selection)with necessary accessories including cable glands etc. complete(as per TS and drawing specified by WBSEDCL)	75	Nos		0.00		0.00	0.00
8.03	415 Volt, 3 Phase, 50 Hz, 1200 Amp 8 way outdoor weatherproof type Feeder Pillar Box (as per site selection)with necessary accessories including cable glands etc. complete(as per TS and drawing specified by WBSEDCL)	181	Nos		0.00		0.00	0.00
8.04	Neutral Earthing of LT Feeder Piller as per WBSEDCL technical specification consisting of 1 nos, 3 metres long 40 mm dia. medium gauge G.I TATA make Pipe (M), installation & connection in between earth pipe and neutral bus with 2 nos insulated (1Cx185 sq mm XLPE cable,one no. for left and right side of neutral bus bar each,connection should be insulated and separate from equipment body earthing),with galvanised nuts and washers at both end,using Bentonite powder with water(1:2) for earthing in 40Kg/pit and as per instruction of the Site Engineer (including supply of all materials including pipe and cable) ,as per IS 3043.	256	Nos		0.00		0.00	0.00
9.00	New Plinth mounted outdoor type LT Junction Box at assorted locations of LT network with replacement of service connections of consumers							
9.01	Detailed GIS Route Survey, disconnection of overhead service cables, Erection, Testing & Commissioning of following items required for reinstatement of underground service connections from junction boxes along with all accessories & fittings at assorted places complete and preparation of actual route map as per AQS. (consisting of but not limited to the following major items, subject to site requirement). Format for asset mapping as per data model to be provided by WBSEDCL.							
9.02	Erection, Testing & Commissioning of 415 Volt, 3 Phase, 50 Hz, 200 Amp weatherproof Service Junction Box with all necessary accessories including cable glands etc. complete on the existing plinth/structure including proper fixing on the plinth/structure as per instruction of Site Engineer	2400	Nos		0.00		0.00	0.00
9.03	Erection, Testing & Commissioning of 415 Volt, 3 Phase, 50 Hz, 200 Amp weatherproof Block/Plot Junction Box with all necessary accessories including cable glands etc. complete on the existing plinth/structure including proper fixing on the plinth/structure as per instruction of Site Engineer	960	Nos		0.00		0.00	0.00
9.04	Earthing complete with Earth spike & G.I wire (5 mm) as per TS/ Drawing(2 nos for each installation)	7232	Nos		0.00		0.00	0.00

9.05	<u>Neutral Earthing</u> of service JB and Plot JB complete with Earth spike & 2 nos insulated(1CX50 sq mm XLPE cable)one for right and one for left side of neutral bus with supply of sockets ,washers ,fixing bolts and nuts etc. with supply of all materials including earth spike and cable and necessary connections as per technical specification of WBSEDCL.	3360	Nos		0.00		0.00	0.00
10.00	Augmentation/Renovation of existing Service Connection							
10.01	<i>Dismantling of existing service connection (with return to WBSEDCL store of all conductors,insulators,fittings ,poles etc as per instruction of site engineer) followed by new construction of Underground cabling by 1.1 kV 2C x 6 sq.mm XLPE Cable for single phase consumers (R.L.: 100 km assorted), 1.1 kV 4C x 25 sq.mm XLPE Cable for three phase consumers (R.L.: 25 km assorted) and 1.1 kV 4C x 50 sq.mm XLPE Cable for three phase consumers (R.L.: 24 km assorted)(consisting of but not limited to the following major items, subject to site requirement), as per I.S. 1255-1983 with detailed GPS Route Survey upto consumer premises (to be indicated in map) preliminary and final in built drawing(minimum 6 copies,as per format described in GTC)and preparation of actual route map as per AQS.</i>							

10.02	Laying & dressing of 1.1 kV (E) Armoured XLPE Underground Cable in the excavated cable trenches as per drawing no.PLN(D)/SS/104, dt. 05.05.2015 and instruction of the Site Engineer.	149.00	Km		0.00		0.00	0.00
10.03	Laying of 150 mm dia PVC pipes at road crossing or wherever the proper depth is not achievable due to presence of other services/ obstrucles, service cable riser or for other reasons etc. as per instruction of Site Engineer and site condition for laying of U.G cable. This cost includes cutting of pipes, fittings of necessary accessories, jointing materials, laying of cable in the pipe as per the approved design(No seperate payment will be made for accessories).	500	Mtr		0.00		0.00	0.00
10.04	Laying of 100 mm dia PVC pipes at road crossing or wherever the proper depth is not achievable due to presence of other services/ obstrucles, service cable riser or for other reasons etc. as per instruction of Site Engineer and site condition for laying of U.G cable. This cost includes cutting of pipes, fittings of necessary accessories, jointing materials, laying of cable in the pipe as per the approved design(No seperate payment will be made for accessories).	500	Mtr		0.00		0.00	0.00
10.05	Laying of 80 mm dia PVC pipes at road crossing or wherever the proper depth is not achievable due to presence of other services/ obstrucles, service cable riser or for other reasons etc. as per instruction of Site Engineer and site condition for laying of U.G cable. This cost includes cutting of pipes, fittings of necessary accessories, jointing materials, laying of cable in the pipe as per the approved design(No seperate payment will be made for accessories). .	500	Mtr		0.00		0.00	0.00
10.06	Laying of 50 mm dia PVC pipes at road crossing or wherever the proper depth is not achievable due to presence of other services/ obstrucles, service cable riser or for other reasons etc. as per instruction of Site Engineer and site condition for laying of U.G cable. This cost includes cutting of pipes, fittings of necessary accessories, jointing materials, laying of cable in the pipe as per the approved design (No seperate payment will be made for accessories)..	500	Mtr		0.00		0.00	0.00
10.07	Laying of 40 mm dia PVC pipes at road crossing or wherever the proper depth is not achievable due to presence of other services/ obstrucles, service cable riser or for other reasons etc. as per instruction of Site Engineer and site condition for laying of U.G cable. This cost includes cutting of pipes, fittings of necessary accessories, jointing materials, laying of cable in the pipe as per the approved design(No seperate payment will be made for accessories). .	10000	Mtr		0.00		0.00	0.00
10.08	Laying of 32 mm dia PVC pipes at road crossing or wherever the proper depth is not achievable due to presence of other services/ obstrucles, service cable riser or for other reasons etc. as per instruction of Site Engineer and site condition for laying of U.G cable. This cost includes cutting of pipes, fittings of necessary accessories, jointing materials, laying of cable in the pipe as per the approved design(No seperate payment will be made for accessories).	136000	Mtr		0.00		0.00	0.00
11.00	Augmentation/Renovation of existing Street Light Service Connection							
11.01	Laying of 1.1 KV 4C X16 sqmm XLPE cable in trench with earthing ,jointing, looping as per street light pole location at site ,termination at JB ends and street light connection ,back filling of earth , compaction ,leveling etc. complete	48000	Mtr		0.00		0.00	0.00
11.02	Laying of 1.1 KV 4C X16 sqmm XLPE cable above ground or riser cable through suitable size of Ductile pipe where excavation of earth is not required.	2000	Mtr		0.00		0.00	0.00
11.03	Making of end termination of the following 1.1 KV XLPE Cable including supply of suitable cable glands, tapes, lugs, sockets & other necessary materials as per instruction of the Site Engineer.	240	Nos		0.00		0.00	0.00
11.04	Erection, Testing & Commissioning of Street Light Junction Box with all necessary accessories including cable glands etc. complete on the existing plinth/structure including proper fixing on the plinth/structure as per instruction of Site Engineer	120	Nos		0.00		0.00	0.00
11.05	Earthing complete with Earth spike & G.I wire (5 mm) as per TS/ Drawing(2 nos for each installation)	240	Nos	0.00	0.00	0.00%	0.00	0.00
12.00	Testing and commissioning of UG Cable							
12.01	Testing & Commissioning of 33 KV & 11 KV 3core XLPE insulated aluminium armoured UG cable with DC High voltage as per specifications guided by relevant IS1255-1983 & I.E rules for 3cX400/3C x 300 SQMM XLPE Al Armored UG cable from S/S to R.M.U or R.M.U to R.M.U,3C x 95 SQMM XLPE Al Armoured UG cable from R.M.U to DTR(160/315 KVA)	74288.00	Mtr		0.00		0.00	0.00
12.02	Testing and Commissioning of 24 core Optical Fiber Cable through the HDPE Duct in the trench of 11 KV UG Cable with necessary protection along with hire & labour charges of men & machineries,materials including preparation, necessary straight through/ tee- off jointing and submission of drawing for such cable laying.	74288.00	Mtr		0.00		0.00	0.00
13.00	PART-II: CIVIL WORK							
13.01	Excavation of soil for formation of cable trenches & re-instatement of cable trenches with the excavated soil as per direction of Site Engineer. (as per approved Drawing no.UG/CABLE/GEN/6)(Job includes supply of sand as per drawing)	75719	Cum		0.00		0.00	0.00

13.02	Excavation of any type of soil by dismantling/ cutting of Metalled Road/ Concrete Road/Brick Soling/ and any other kind of road /pavement/ drain etc. (required for cable laying) with equipments and resurfacing the same including mending good all damages with supply of labour & material with transportation, shifting, handling, removal of debris etc. all complete in all respect and restoring into working condition as per site requirements and instructions of site engineer (as per approved Drawing no.UG/CABLE/GEN/6) (Job includes supply of sand as per drawing)	113579	Cum		0.00		0.00	0.00
13.03	Supply of kiln-burnt 1st class bricks having proper size & shape suitable for cable protective cover as per instruction of Site Engineer	6996750	Nos		0.00		0.00	0.00
13.04	Laying of bricks as per drawing and instruction of the Site Engineer	6996750	Nos		0.00		0.00	0.00
13.05	Installation of Cement Concrete Cable route marker at every 100 Meters or as per direction of site engineer duly engraving with letters“WBSEDCL 33 KV UG Electric cable” or “WBSEDCL 11 KV UG Electric cable” as applicable with an arrow (→) letter showing distance and depth at which cable is buried on a smooth and clean finished surface conforming to IS 5820-2001 with painting of 2 coats of apex over coat of primer with yellow shade and the letters with contrast red shade (As per GTC & AQS and approved drawing of WBSEDCL).For LT ST joints LT cable markers approved by WBSEDCL may be installed as per site requirement.	3433.00	Nos		0.00		0.00	0.00
13.06	Supply & fixing of cable tag on the cable by 25 mtr. interval	1486	Nos		0.00		0.00	0.00
13.07	Design, Engineering, labour, material and construction of RCC pedestal including the cost of excavation, concrete, reinforcement, inserts, curing, form work, grouting, fixing of foundation bolts etc for Outdoor RMU (Drawing No. PLN(D)/SS/103) /Latest amendmends	148	Nos		0.00		0.00	0.00
13.08	Making straight through joint with Straight through jointing pit suitable for 3C 11 KV.AL XLPE Cable,including all accessories as required for complete erection along with joint markers including laying of platform with bricks.making of protection duct for cable joint for placement of joint box & pitching up of temporary tent by providing bamboo & tarpolene & re-instatement in the joint pit/duct filling with the excavated soil after completion of jointing work with construction of Masanory Joint Pit/Duct with RCC cover slab as per technical specifications and drawing (Drawing no.PLN(D)/SS/106). /Latest amendmends	429	Nos		0.00		0.00	0.00
13.09	Design, Engineering, construction, supply of labour, material, curing, machine mix/hand mix for construction of Pedestal as foundation of Feeder Pillar of sufficient base size, in cement mortar of 1:4 (1 cement : 4 sand) over a cement concrete of 100 mm thickness in proportion of 1:1.5:3 (M20) (1 cement : 1.5 sand : 3 stone aggregate 20 mm down) including plastering of the exposed surface with cement mortar 1:4 and finishing with a floating coat of mat cement punning. The pedestal shall have a height of 500 mm from the finished ground level with a hollow at the centre to facilitate cable entry/exit.	256	Nos		0.00		0.00	0.00
13.10	Design, Engineering, construction, supply of labour, material, curing, machine mix/hand mix for construction of Pedestal as foundation of Plot/ServiceJunction Box/SL JB of sufficient base size, in cement mortar of 1:4 (1 cement : 4 sand) over a cement concrete of 100 mm thickness in proportion of 1:1.5:3 (M20) (1 cement : 1.5 sand : 3 stone aggregate 20 mm down) including plastering of the exposed surface with cement mortar 1:4 and finishing with a floating coat of mat cement punning. The pedestal shall have a height of 500 mm from the finished ground level with a hollow at the centre to facilitate cable entry/exit.(Ref Drawing No. PLN(D)/SS/103)/Latest amendmends	3480	Nos		0.00		0.00	0.00
13.11	Design, Engineering, construction, supply of labour, material, curing, machine mix/hand mix for construction of Pedestal as foundation of Transformer plinth of sufficient base size, in cement mortar of 1:4 (1 cement : 4 sand) over a cement concrete of 100 mm thickness in proportion of 1:1.5:3 (M20) (1 cement : 1.5 sand : 3 stone aggregate 20 mm down) including plastering of the exposed surface with cement mortar 1:4 and finishing with a floating coat of mat cement punning. The pedestal shall have a height of 900 mm from the finished ground level with a hollow at the centre to facilitate cable entry/exit ,suitable for mounting of new 315 KVA DTr as per the approved design.(Drawing no UG/Cable/GEN/2)/Latest amendmends .The plinth shall be plastered & neat cemented with identification mark & danger board as per the WBSEDCL practise. Old and used DTR/DTRs to be dismantled and returned to WBSEDCL store in good order and condition.	36	Nos		0.00		0.00	0.00
13.12	Design, Engineering, construction, supply of labour, material, curing, machine mix/hand mix for construction of underground pedestal structure(3050mm X1200mm X600 mm as foundation of H-Beam DP of sufficient base size at a depth of 2430 mm below GL, with M20 grade concrete of 1:1.5:3 (1 cement : 1.5 fine aggregate : 3 coarse aggregate) including plastering of the exposed surface with cement mortar 1:4 and finishing with a floating coat of neat cement punning. The pedestal will have two columns(400mm X400 mm),each shall have a height of 1800 mm below GL and 785 mm above the finished ground level with provision at the centre to support H-Beam ISMB-250 mounted of new 315 KVA DTr DP as per the approved design.The plinth shall be plastered & neat cemented with identification mark & danger board as per the WBSEDCL practise. Old and used DTR/DTRs to be dismantled and returned to WBSEDCL store in good order and condition as per instruction of site enginner.	84	Nos		0.00		0.00	0.00

14.00	Dismantling of existing 33 KV OH network of town (with return to WBSEDCL store of all conductors,insulators,fittings ,poles etc as per instruction of site engineer) and construction of 33 KV UNDER GROUND LINE FOR NORMAL ROAD & METAL ROAD LAYING/ RAILWAY/HIGH ROAD CROSSING WITH 3Cx400 Sqmm XLPE Armoured Cable AS REQUIRED AS PER TECHNICAL SPECIFICATIONS, APPROVED DRAWING AND SCOPE OF THE WORK. ,as per I.S. 1255-1983							
14.01	GPS survey and submission of preparation and handover of preliminary and final in built drawing(minimum 6 copies in hard,soft copies and digital format described in GTC) with details of UG cable size,location of joints with distance from landmarks shown on drawing,depth of Opencut & Microtunneling and span(after completion of work),to authorised site engineer of WBSEDCL, obtaining approval from statutory authority, Laying, dressing, testing & commissioning of all the materials for Underground Cabling work either directly buried in soil or through buried conduit, Erection & Fixing of suitable termination Kit & Straight Through Jointing Kit & Fixing of cable route marker at WBSEDCL identified location and preparation of actual route map as per scope specified in GTC &AQS.Format for asset mapping as per data model to be provided by WBSEDCL.All iron Materials should be Hot Dip Galvanised.							
14.02	GPS Survey(Preliminary and Final) for HV line upto 33 KV. Format for asset mapping as per data model to be provided by WBSEDCL.	6	Km		0.00		0.00	0.00
14.03	Laying of heavy duty HDPE Pipe by Microtunnelling work (as per guideline of WBSEDCL) without disturbing the regular railway or vehicular traffic above maintaining statutory depth under railway track or highway carriageway with sealing or plugging & earthing complete at both end including supply of 160 mm (dia) NB HDPE pipe 10 mm (thickness) and associated materials and laying of 400 sqmm XLPE CABLE (3C) as per IS:4984-1995,PE 100 PN 6	3	KM		0.00		0.00	0.00
14.04	Soil excavation by cutting of metallad road/cement concrete/brick soiling etc , laying of 33 kV (E) 3C x 400 Sq.mm XLPE Cable (Single Run) in trench, cable bonding & earthing, providing adequate brick & sand protection to the laid cable, backfilling of earth, compaction, levelling i.e re-instatement of the same as per instruction etc. complete as per drawing no PLN/(D)/SS/126 with supply and laying of Caution Tape(LDPE plastic tape((1500mm wideX500 mm long with thickness of P100 microns(0.1 mm) as per GTC) over the cable with specified clearance from cable top and GL) Completion certificate to be obtained from local authority(Job includes supply of sand as per drawing)	1200	Mtr		0.00		0.00	0.00
14.05	Soil excavation, digging of burried trench of proper dimension maintaining statutory depth from the formation level as per TS , dressing, laying of 33 kV (E) 3C x 400 Sq.mm XLPE Cable (Single Run) in trench, cable bonding & earthing, providing adequate brick & sand protection to the laid cable, backfilling of earth, compaction, levelling etc. complete as per drawing no PLN/(D)/SS/126.(Job includes supply of sand as per drawing)	1800	Mtr		0.00		0.00	0.00
14.06	Laying of 33 kV (E) 3C x 400 Sq.mm XLPE Cable above ground or riser cable through suitable size of Ductile pipe where excavation of earth is not required.(Ductile pipe already included separately in BOQ)	16	Mtr		0.00		0.00	0.00
14.07	Supply and fixing/laying of GI Pipe (Medium) as per I.S.I.of G.I.pipe 150 mm dia(Medium) suitable for cable protection as per instruction of site engineer	10	Mtr		0.00		0.00	0.00
14.08	Making of Heat Shrinkable Outdoor Termination for 33 KV, 3 C x 400 sq mm XLPE cable including fixing of the jointing box at the existing structure but without the jointing materials as per instruction of the Site Engineer.	18	Nos		0.00		0.00	0.00
14.09	Making of Heat Shrinkable Straight through Termination for 33 KV, 3 C x 400 sq mm XLPE cable without supply of jointing materials excluding making of "protection duct for cable joint"	24	Nos		0.00		0.00	0.00

14.10	Making protective duct for cable joint complete as per WBSEDCLs approved drawing(Ref. Drg.no. PLN(D)/SS/127,Dt 23.06.2018)	24	Nos		0.00		0.00	0.00
14.11	Installation of Cement Concrete Cable route marker at every 100 Meters or as per direction of site engineer duly engraving with letters "WBSEDCL 33 KV UG Electric cable" with an arrow (→) letter showing distance and depth at which cable is buried on a smooth and clean finished surface confirming to IS 5820-2001 with painting of 2 coats of apex over coat of primer with yellow shade and the letters with contrast red shade (As per approved drawing of WBSEDCL)	30	Nos		0.00		0.00	0.00
14.12	Erection of 4 pole structure on Rail Pole complete with fitting and fixing of fabricated items with painting but without fitting and fixing of insulator	2	Nos		0.00		0.00	0.00
14.13	Fixing of L.A. With Supply of L.A. Base Plate	6	Nos		0.00		0.00	0.00
14.14	Fixing of 33KV Pin insulator	36	Nos		0.00		0.00	0.00
14.15	Earthing complete with Earth spike & G.I wire (5 mm) as per TS/ Drawing	8	Nos	0.00	0.00	0.00%	0.00	0.00
14.16	Preparation and submission of final 'as built' drawings to WBSEDCL(as per GTC,AQS and additional Technical Specifications)	6	KM		0.00		0.00	0.00
15.00	Tee off arrangement for existing DTR							
15.01	Erection of 4 pole structure complete with all fittings and foundation but without insulator for HV OH line upto33 KV (for PCC pole 9 mtr long) with painting All iron Materials should be Hot Dip Galvanised.	5	Nos		0.00		0.00	0.00
15.02	Fixing of Pin Insulator 11 KV with pin	120	Nos		0.00		0.00	0.00
15.03	Fixing of Disc Insulator 11 KV with HF	60	Nos		0.00		0.00	0.00
15.04	Fixing of earthing complete with driving of earth spike and connection of earth electrode with non current carrying metallic parts of supports ,stay wires etc,LA etc.	6	Nos	0.00	0.00	0.00%	0.00	0.00
15.05	Fixing of HTstay set(1830X20mm) complete with all fittings ,guy insulator ,binding etc.	20	Nos		0.00		0.00	0.00
15.06	Erection of conductor including laying ,hoisting,stringing,jointing,sagging,tensioning & Route clearance(includes supply and fixing of necessary sockets,nut bolts,washers etc.)	130	Mtr		0.00		0.00	0.00
15.07	Fixing of 11 KV TPGO Isolator online structure including fixing of supports etc. channel,clamp with proper adjustment with painting	20	Nos		0.00		0.00	0.00
16.00	Erection, testing, installation & commissioning of meter pillar boxes for 6 Nos. / 4 Nos. of single phase meter made out from SMC conforming to IS specification at suitable location on pole/wall with charging of SMC box bus-bar by drawing max 4 Core X 25 sq. Mm. PVC cable from nearby mains with proper dressing, termination, glanding and socketing by crimping including earthing of box by driving 1 No. earth spike & connection of earth electrode with meter pillar box by 4 mm GI wire							
16.01	Meter Piller Box with 6 Nos Single Phase Meters	100	Nos		0.00		0.00	0.00
16.02	Meter Piller Box with 4 Nos Single Phase Meters	100	Nos		0.00		0.00	0.00
16.03	Relocation of single phase meter from consumer premises to meter pillar box including replacement of conventional/hybrid/defective meter if necessary as per list and drawal of load cable from outgoing of meter terminal to consumer main switch with restoration of power including return of dismantle material to store along with submission of documentation as per scope of work	1000	Nos		0.00		0.00	0.00
17.00	Street Light Connection:-							

17.01	Providing wiring with supply and erection of 2X1/1.40 PVC insulated and sheathed wire(single core)from loop box at the base of pole to light fitting through pole& bracket(approx 6 mtr riser) including making connections(as per drawing & GTP approved by WBSEDCL) .	5000	Nos		0.00		0.00	0.00
17.02	Fixing GI waterproof looping cable box with steet light pole and necessary connection complete with incoming and outgoing cables(as per drawing & GTP approved by WBSEDCL).	5000	Set		0.00		0.00	0.00
18.00	Shifting of service connection							
18.01	Shifting of energy meter from existing location to new location as per instruction of Site Engineer with supply & fixing of all accessories and all necessary connection (for the purpose of Underground cabling work)							
18.02	Cost of shifting of 1-Ph energy meter from existing location to new location as per instruction of site engineer of WBSEDCL, with supply and fixing of all accessories including all necessary connections but excluding TW board and cost of PVC cable/Nos	3000	Nos		0.00		0.00	0.00
18.03	Cost of shifting of 1-Ph energy meter from existing location to new location as per instruction of site engineer of WBSEDCL, with supply and fixing of all accessories including all necessary connections and supply and fixing of TW board with allied accessories but excluding the cost of PVC cable	1000	Nos		0.00		0.00	0.00
18.04	Cost for supply & drawing of PVC 1.1 Kv grade 2Cx4 sqmm through conduit pipe including supply & fixing of allied accessories i.e. Pipe, clamps, nut, screws, gulli, etc as per site requirement /metre.	20000	Mtr		0.00		0.00	0.00
18.05	Cost for supply & drawing of PVC 1.1 Kv grade 2Cx6 sqmm through conduit pipe including supply & fixing of allied accessories i.e. Pipe, clamps, nut, screws, gulli, etc as per site requirement /metre.	5000	Mtr		0.00		0.00	0.00
18.06	Cost of shifting of 3-Ph energy meter from existing location to new location as per instruction of site engineer of WBSEDCL, with supply and fixing of all accessories including all necessary connections but excluding TW board and cost of PVC cable/Nos	300	Nos		0.00		0.00	0.00
18.07	Cost of shifting of 3-Ph energy meter from existing location to new location as per instruction of site engineer of WBSEDCL, with supply and fixing of all accessories including all necessary connections and supply and fixing of TW board with allied accessories but excluding the cost of PVC cable/Nos	100	Nos		0.00		0.00	0.00
18.08	Cost for supply & drawing of PVC 1.1 KV grade 4Cx25 sqmm through conduit pipe including supply & fixing of allied accessories i.e. Pipe, clamps, nut, screws, gulli, etc as per site requirement / meter.(Cost of pipe and cable in inclusive)	2000	Mtr		0.00		0.00	0.00
18.09	Cost for supply & drawing of PVC 1.1 KV grade 4Cx50 sqmm through conduit pipe including supply & fixing of allied accessories i.e. Pipe, clamps, nut, screws, gulli, etc as per site requirement / meter.(Cost of pipe and cable in inclusive)	500	Mtr		0.00		0.00	0.00
19.00	Erection of LT AB Cable							
19.01	LT AB NEW							
19.02	GPS Survey & route alignment , pole spotting, preparation of survey report and uploading in the web portal after taking approval of Project Manager.GPS survey and submission of preliminary and final in built drawing(minimum 6 copies,as per format described in GTC)	112	KM		0.00		0.00	0.00
19.03	Excavation of pole pit (of depth 1/6th of pole length) in normal soil & Erection of the poles for LT overhead line in pole pit with supply of concrete base slab and the pit will be well rammed with earth mixed with brick bats & excavated earth (Brick bats : Earth ; 60:40) etc as per scope of work, approved drawings and specifications (8 mt PCC)	2517	NO		0.00		0.00	0.00
19.04	Excavation of stay pit in all type of soils & Erection of complete stay set with anchor plate (150x150x6mm), 65x6mm stay clamp, LT guy insulator, nut bolts, 1 Nos turn buckle, 1.68 m long, 16 mm diameter solid GI Stay rod & 7/2.5 mm Dia GI stranded wire and . 0.2 cmt concreting 1 part cement, 3 part sand, 6 part 40 mm size stone aggregate chips (1:3:6) and ramming as per specification and scope of work	2089	SET		0.00		0.00	0.00
19.05	Erection, testing & commissioning of new aerial bunched cable (50x3)+(35x1)+(16x1) ,providing and erecting tension clamps for dead end, suspension clamps as per technical specification, approved drawings and scope of work including supply of required galvanised nuts and bolts	112	KM		0.00		0.00	0.00

19.06	IPC , Bimetallic Crimping type water proof lugs & straight through joints including supply of cable end cap & cable tie for LT AB Cable (50x3+35x1+16x1) sqmm & its erection(as per description below)							
19.07	Supply & Fixing of IPC for connecting neutral wire messenger to street light cable (for 35 & 50 sqmm) phase side	2517	NO		0.00		0.00	0.00
19.08	Supply & Fixing of IPC for connecting phase side to street light cable (16 sqmm)	2517	NO		0.00		0.00	0.00
19.09	Supply & Fixing of IPC for 50 sqmm both main and service cable for connecting Distribution Box	10067	NO		0.00		0.00	0.00
19.10	Supply & Fixing of insulating piercing connector for ABC Tee connection including connection with AB Cable	2800	NO		0.00		0.00	0.00
19.11	Supply & Fixing of pre insulated straight through joint for 50 sqmm power cable ,35 sqmm neutral messenger ,16 sqmm 1 ph street light along with cable tie and its locking arrangement	12	NO		0.00		0.00	0.00
19.12	Supply & Fixing of bimetallic crimping tool type water proof lug for 50 sqmm power cable	7551	NO		0.00		0.00	0.00
19.13	Supply & Fixing of bimetallic crimping tool type water proof lug for 35 sqmm neutral messenger	2517	NO		0.00		0.00	0.00
19.14	Supply & Fixing of bimetallic crimping tool type water proof lug for 16 sqmm 1 Ph Street light	112	NO		0.00		0.00	0.00
19.15	Supply & Fixing of Cable end cap for aforesaid cable	2013	NO		0.00		0.00	0.00
19.16	Supply & Fixing of Cable tie with adjustable locking arrangement	7467	NO		0.00		0.00	0.00
19.17	Erection, testing & commissioning of earthing by inserting GI Earthing spike made of 1853 X 20mm solid Rod & GI Wire 5 mm as per approved drawings, scope of work and technical specifications	2517	Set		0.00		0.00	0.00
19.18	Erection, fitting, fixing & engineering of SMC Box on the pole with fittings & connection at SMC (charging) as per specification and scope of work	2517	Set		0.00		0.00	0.00
19.19	Shifting connection from existing line to new line as per site requirement							
19.20	Dismantle of Existing service connection and reconnection through SMC Box (single phase)	3360	NO		0.00		0.00	0.00
19.21	Dismantle of Existing service connection and reconnection through SMC Box(three phase)	28.00	NO		0.00		0.00	0.00
19.22	Erection of Suspension Clamp suitable for AB cable 35/50 Sq.mm including all types of materials	2013	NO		0.00		0.00	0.00
19.23	Erection of Anchor Clamp suitable for AB cable 35/50 Sq.mm including all types of materials	1007	NO		0.00		0.00	0.00
20.00	Laying of PLB HDPE Pipe as per IS 9938 for provision of laying Optical Fibres. Cables shall be laid in the pipe to be buried along the excavated trench as per the approved design. The PLB HDPE pipe laying job shall be complete with collors, bends, tee-offs,joints etc. other accessories for complete work.							
20.01	Laying with testing commissioning of 40 mm diam.PLB HDPE Pipe as per instruction of Site Engineer and site condition for provision of laying Optical Fibre for SCADA as per IS: 4984-1995 along with hire & labour charges of men & machineries,materials including preparation and submission of drawing for such cable laying.Cables shall be laid in the pipe to be buried along the excavated trench/or microtunneling as per site requirement as per the approved design with all works complete including joints,terminations,tee offs and necessary connections suitable for satisfactory commercial use with supply of all accessories .(This item includes laying of both HDPE pipe and Optical Fibre)	74288	Mtr		0.00		0.00	0.00
	Total in (Rs.)				0.00		0.00	0.00
	Discount in (%)							0.00%

	Discount Amount in (Rs.)						0.00	0.00
Total in Figures							0.00	0.00
Quoted Rate in Figures			Select				0.0000	0.0000
Quoted Rate in Words							INR Zero Only	

TOTAL AMOUNT In Words (Without Taxes)
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