



Value contract

Vendor Address M/s SHYAM INDUS POWER SOLUTIONS P.LTD. 129, TRANSPORT CENTRE NEW DELHI - 110035 Vendor Code : 4400297 GSTN No. : 07AAICS3625E1ZH	Contract No. : 4600004609-3 Release Date : 15.12.2021 Validity Start : 01.01.2020 Validity End : 31.12.2022
BA Contact Person : Mr. Tarun BA Contact No. : 8800341555	Contact Person : Davinder Bhatia Contact No. : 011-66112370
Consignee Address Tata Power Delhi Distribution Limited TPDDL CEN-Store, Opp. C-2 Block Delhi 110035 GSTN No.: 07AABCN6808R1ZV	References : 1) TPDDL/ENGG/ENQ/200001141/19-20

Sub. For Meter Installation and Associated Services.

Payment Terms : Within 30 days of delivery 100%

Target Value : 124600000.00 INR (TWELVE CRORE FORTY SIX LAKH RUPEES)

Completion By:

- (i) Schedule of items / quantities/ Rates : Annexure I Attached []
(ii) Special Conditions of the Contract : Annexure II Attached []

For Tata Power Delhi Distribution Limited

AUTHORIZED SIGNATORY

Important Note:- This document does not assure or warrant as regards the measurement of performance , non-performance or short performance by the party named as contracting party herein other than TPDDL in relation to the supplies/services or works involved and the same may not be read in support of any contended right or assertion made by such party in relation thereof unless supported with relevant performance certificate issued by TPDDL.

Tata Power Delhi Distribution Limited
(A Tata Power and Delhi Government Joint Venture)
NDPL House, Hudson Lines, Kingsway Camp, Delhi-110009
Tel 91-11-66112222-31 Fax 91-11-27468042
CIN No. : U40109DL2001PLC111526
Email : TPDDL@tatapower-ddl.com, Website: www.tatapower-ddl.com

Annexure I

Amendment History

Revision No	Revision Text	Net Value	Diff Value	Changed BY
3	Value/Validity amendment	124,600,000.00	24,600,000.00	
2	Value Amendment	100,000,000.00	25,000,000.00	
1	value validity	75,000,000.00	42,523,053.00	

Schedule of Item/ Quantities/ Rate

SNo.	MATERIAL CODE DESCRIPTION DETAILS / SPECIFICATIONS	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
1.000	Meter Services for Yr-1 - Capex						
1.001	207761 Meter Installation - SP	998631		EA	535.96		
	Installation of 1 phase energy meter with / without meter box/ existing meter box / Panel/ with freedom unit and communication cable lying.						
1.002	207762 Meter Removal - SP	998631		EA	268.67		
	Removal of any single phase meter with / without meter box/ existing meter box / from Panel/ with freedom unit and communication cable removal.						
1.003	207765 Meter Installation - PP	998631		EA	657.45		
	Installation of 3 phase whole current energy meter with / without meter box/ existing meter box / Panel/ with freedom unit and communication cable lying.						
1.004	207766 Meter Removal - PP	998631		EA	305.45		
	Removal of any Three phase whole						

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
	current meter with / without meter box/ existing meter box / from Panel/ with freedom unit and communication cable removal.						
1.005	207767 Meter Installation - HT Meter Only	998631		EA	1,303.52		
	Installation of any HT energy meter along with modem and its termination in Metering cubicle / CTPT unit						
1.006	207768 Meter Removal - HT Meter Only	998631		EA	619.94		
	Removal of any HT energy meter along with modem and its termination from Metering cubicle / CTPT unit						
1.007	207773 "LTCT Meter box Installation#(100/5 & 20	998631		EA	1,667.78		
	" Installation of new LTCT meters with complete grouting, commissioning, supply of 8 Nos lugs and its crimping, energisation, communication of Meter and its allied accessories and seal installation with LTCT Meter box"						
1.008	207774 LTCT Meter with box Removal - All Rating	998631		EA	508.80		
	" Removal of any LTCT meters from site with de-energisation, Meter, modem and its allied accessories with meter box. "						
1.009	207775 Meter Replacement - LTCT Meter Only	998631		EA	814.72		
	Replacement of LTCT meter/ LTCT Smart meter of any rating i.e. 100/5A or 200/5A or 400/5A without box						
1.010	207776 Smart Meter Installation SP	998631		EA	535.86		

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
	Installation of 1 phase smart meter with / without meter box/ existing meter box / Panel.						
1.011	207777 Smart Meter Installation PP	998631		EA	646.71		
	Installation of 3 phase whole current smart meter with / without meter box/ existing meter box / Panel.						
1.012	207778 Smart Meter Installation LTCT with box	998631		EA	1,650.65		
	" Installation of new LTCT Smart meters with complete grouting, commissioning, supply of 8 Nos lugs and its crimping, energisation, communication of Meter and its allied accessories and seal installation with LTCT Meter box"						
1.013	207784 Meter Accuracy test at site (SP/ PP/LTCT	998631		EA	107.17		
	SP/Polyphase/LTCT Meter Testing						
1.014	207793 Replacement of Freedom Unit	998631		EA	75.68		
	Replacement of Freedom Unit (without prepaid meter)						
1.015	207812 LTCT Meter box Installation-400/5	998631		EA	1,968.90		
	" Installation of new LTCT meters with complete grouting, commissioning, supply of 8 Nos lugs and its crimping, energisation, communication of Meter and its allied accessories and seal installation with LTCT Meter box"						
	Service Subtotal						
	Services Total					18.00	

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
2.000	Services for BB Box Yr-1 - Capex						
2.001	207763 Bus bar/ D/ Box Installation	998631		EA	354.46		
	Installation of any type of bus bar box / distribution box on wall along with supply of fastners / on pole with steel strap and buckles.						
2.002	207764 Bus bar/ D/ Box Removal	998631		EA	233.89		
	Removal of any type of bus bar box / distribution box from wall / from pole along with steel strap and buckles.						
	Service Subtotal						
	Services Total					18.00	
3.000	Cable Services for Yr-1 - Capex						
3.001	207796 Connection-Cable earthing at the pole	998631		EA	125.29		
	Connection of the service cable earthing at the pole & consumer end						
3.002	207797 Loop Connection (Any Rating)	998631		EA	135.07		
	Stringing of loop connection (length < 6 meter) any rating						
3.003	207798 Inst. Of 2*10/2*16 Cable O/H (7M-20M)	998631		EA	751.68		
	" Stringing, sagging of cable size 2x10 / 2 x 16 sq mm cable between 7m to 20m including installation of saddle, fastener for support and connection at pole (bare / ABC						

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
	cable)/ feeder pillar with thimble/ HVDS network with thimble as per drawing."						
3.004	207799 Inst. Of 2*16 Cable O/H (>21M)	998631		EA	851.51		
	" Stringing, sagging of cable size 2x10 / 2 x 16 sq mm cable > 20m including installation of saddle, fastener for support and connection at pole (bare / ABC cable)/ feeder pillar with thimble/ HVDS network with thimble as per drawing."						
3.005	207800 Inst. Of 2*25 Cable O/H (7M-20M)	998631		EA	800.12		
	" Stringing, sagging of cable size 2 x 25 sq mm cable between 7m to 20m including installation of saddle, fastener for support and connection at pole (bare / ABC cable)/ feeder pillar with thimble/ HVDS network with thimble as per drawing."						
3.006	207801 Inst. Of 2*25 Cable O/H (>21M)	998631		EA	851.51		
	" Stringing, sagging of cable size 2 x 25 sq mm cable >20m including installation of saddle, fastener for support and connection at pole (bare / ABC cable)/ feeder pillar with thimble/ HVDS network with thimble as per drawing."						
3.007	207802 Inst. Of 4*25 Cable O/H (7M-20M)	998631		EA	876.36		
	" Stringing, sagging of cable size 4 x 25 sq mm cable between 7m to 20m including installation of saddle, fastener for support and connection at pole (bare / ABC cable)/ feeder pillar with thimble/ HVDS network with thimble as per drawing."						
3.008	207803 Inst. Of 4*25 Cable O/H (>21M)	998631		EA	926.17		

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
	" Stringing, sagging of cable size 4 x 25 sq mm cable >20m including installation of saddle, fastener for support and connection at pole (bare / ABC cable)/ feeder pillar with thimble/ HVDS network with thimble as per drawing."						
3.009	207804 Inst. Of 4*50 Cable O/H (7M-20M)	998631		EA	1,327.83		
	" Stringing, sagging of cable size 4 x 50 sq mm cable between 7m to 20m including installation of saddle, fastener for support and connection at pole (bare / ABC cable)/ feeder pillar with thimble/ HVDS network with thimble as per drawing."						
3.010	207805 Inst. Of 4*50 Cable O/H (>21M)	998631		EA	1,464.52		
	" Stringing, sagging of cable size 4 x 50 sq mm cable >20m including installation of saddle, fastener for support and connection at pole (bare / ABC cable)/ feeder pillar with thimble/ HVDS network with thimble as per drawing."						
3.011	207806 Inst. Of 4*95/4* 150 Cable O/H (7M-20M)	998631		EA	1,912.07		
	" Stringing, sagging of cable size 4*95/4* 150 sq mm cable between 7m to 20m including installation of saddle, fastener for support and connection at pole (bare / ABC cable)/ feeder pillar with thimble/ HVDS network with thimble as per drawing."						
3.012	207807 Inst. Of 4*95/4*150 Cable O/H (>21M)	998631		EA	2,071.41		
	" Stringing, sagging of cable size 4*95/4* 150 sq mm cable >20m including installation of saddle, fastener for support and connection at pole (bare / ABC cable)/ feeder pillar with thimble/ HVDS network with thimble as per drawing."						

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
	tion at pole (bare / ABC cable)/ feeder pillar with thimble/ HVDS network with thimble as per drawing."						
3.013	207879 Inst. Of 4* 300 Cable O/H (per meter)	998631		M	271.57		
	Laying/stringing of Overhead LT 1.1 kV XLPE insulated PVC sheathed AL conductor GI wire Armoured Cable of size 4CX300 sqmm as per TPDDL specification and connection at pole (bare / ABC cable)/ feeder pillar with thimble/ HVDS network with thimble						
3.014	207808 Cable Removal of 2*10/2*16/2*25(> 6 M)	998631		EA	145.29		
	Removal of cable (2X10/ 2X16/ 2X25 sq mm) service cable along with connection removal from pole/ bus bar/ already disconnected at site						
3.015	207809 Cable Removal of 4*25 sqmm/ 4*50 sqmm (>	998631		EA	166.32		
	Removal of cable (4X25/ 4X50 sq mm) service cable along with connection removal from pole/ bus bar/ already disconnected at site						
3.016	207810 Cable Removal of 4*95/4*150(> 6 M)	998631		EA	233.89		
	Removal of cable (4X95/ 4X150 sq mm) service cable along with connection removal from pole/ bus bar/ already disconnected at site						
3.017	207880 Cable Removal of 4*300(per meter)	998631		M	77.18		
	Removal of cable (4X300 sq mm) service cable along with connection removal from pole/ bus bar/ already disconnected at site						

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
3.018	207811 LoopCableRemoval(Anyrating cable)-upto6	998631		EA	54.06		
	"Removal of loop cable, any ratings, service cable along with connection removal from pole/ bus bar/ already disconnected at site"						
3.019	207881 U/G cable laying pm(for >= to 4x95sqmm)	998631		M	474.37		
	"(a) Excavation of cable trench upto 975 mm depth & 450 mm width in Ordinary Soil / Brick work/ Foot-Path of Tile/Rajasthani Stone /Ordinary Cement/ Bitumenous road as per TPDDL drawing and specification for laying of 1.1kV one Cable. Scope of work excludes lay ing of HUME/PVC pipe/GI Pipe.##(b) Laying (underground) of 1.1kV Armoured XLPE AL Cable of size >=95 sq mm in existing trench with supply & laying of 9 bricks horizontally with sand & back filling, ramming and levelling of earth as per TPDDL specification and d rawing. Scope also include removal and disposal of loose malba above road/ground level as per instruction of EIC#"						
3.020	207882 U/G cable laying in GI pipe(< 4x95sqmm)	998631		M	63.60		
	Laying of underground cable of size (less than 4x95 sw mm) upto 4x50 sqmm as per the standard practice for underground LT cable laying - per meter length- (total end to end cable length is to be calculated . no separate charge for exposed (o/h) cable part) with inclusion of excavation as per standard specification and installation of						

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
	GI Pipe. The prices are excluding supply of GI pipe						
	Service Subtotal						
	Services Total					18.00	
4.000	CTPT/Cubicle Services Yr-1 - Capex						
4.001	207769 CTPT Installation	998631		EA	8,079.64		
	"Installation of new HT 11 KV out door Metering CTPT unit, includes to & fro transportation, commissioning and energisation in all respect (i.e. connection in meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30# height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door)."						
4.002	207770 CTPT Removal	998631		EA	3,344.18		
	" Dismantling of complete HT metering out door CTPT unit, includes to & fro transportation, removing and de-energisation in all respect (i.e. connection from meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30# height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination removal, socket/ thimble crimp, stand pipe flanges removal, meter terminal cover, window and chamber door removal from site)."						
	207771			EA			

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
4.003	"Metering Cubicle Installation #(For Rep	998631			10,922.84		
	" Installation of new HT 11 KV indoor Metering cubicle (with removal of defective metering cubicle and activity also include depo site back to MMG), include to & fro transportation, commissioning and energisation in all respect (i.e. grouting, masonry work, two earth connections, HT cable ends termination, socket/ thimble crimp, tape, plug cable entry hole, sealing cable end boxes, meter terminal cover, window and chamber door)."						
4.004	207772 Metering Cubicle Removal	998631		EA	3,841.26		
	" Removal HT 11 KV indoor Metering cubicle, include to & fro transportation, removal and de-energisation in all respect (i.e. grouting, masonry work, two earth connections, HT cable ends opening, removal of meter terminal cover, window and chamber door from site)."						
	Service Subtotal						
	Services Total					18.00	
5.000	Communication Services Yr-1 - Capex						
5.001	207780 NIC Troubleshooting with TAB/ Laptop	998631		EA	249.48		
	(in case - Laptop/Tab in BA#s scope)						
5.002	207781 NIC Troubleshooting without TAB/ Laptop	998631		EA	233.89		
	(in case - Laptop/Tab in TPDDL#s						

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
	Scope)						
5.003	207782 Return Cases - NIC OR Modem TS	998631		EA	120.13		
	Return Case NIC or Modem Troubleshooting						
5.004	207783 Modem Trouble Shooting activity	998631		EA	218.30		
	Modem Trouble Shooting activity						
5.005	207785 Data downloading of meters	998631		EA	107.17		
	Data downloading of any meter per case						
	Service Subtotal						
	Services Total					18.00	
6.000	Other Services Yr-1 - Capex						
6.001	207779 Cancellation cases during replacement	998631		EA	143.87		
	Cancellation of meter installation cases with remarks i.e. Meter found ok at site. Un-successful MRO Visit						
6.002	207878 Prefab. GI Structure (Supply Item)/ kg	998631		KG	114.35		
	" Prefabricated GI structural angle/channel/flats of different sizes, as per the site requirement"						
6.003	207786 Replacement HT meter chamber/cntrl cable	998631		EA	636.36		
	" Replacement of HT Metering chamber of HT 11 KV out door Metering CTPT unit/ replacement of control cable pipe , energy meter and allied accessories include to & fro transportation, commissioning and energisation in all respect (i.e.						

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
	reconnection in meter box from CTPT terminal block through control cable, stand pipe flange replacement, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door)."						
6.004	207787 Dismantling of consumer Iron panel	998631		EA	813.40		
	Dismantling of consumer Iron panel (in societies / common metering place etc) for clearing the site for meter installation with meter box						
6.005	207788 B Angle/ S anchor/ S clamp/ SI angle	998631		EA	49.82		
	" Installation of GI Bracket for Anchoring service cable of size 50, 95 & 150 sqmm / Installation of Service Cable Anchor / Installation of Slotted angle on pole in case of 2x10/2x25/4x25/4x95 cable lying, on uncleaned poles.#(Number of each individual items used at one site shall be considered as number of Quantity for this particular service for billing)."						
6.006	207789 Reworking-CT Meter ter./Dressing - Pole	998631		EA	284.00		
	" Minor reworking includes termination (thimble / socket crimping, gland change, cable lead extension crimping and tightening) and cable dressing during pole cleaning."						
6.007	207790 SITC of Jublee Clip	998631		EA	18.05		
	" Jubli clip of suitable size, for earthing						

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
	cable at meter end. "						
6.008	207791 "SITC of ""O"" Shape Quick Link "	998631		EA	30.08		
	O Shape Quick Link with Fasteners and Saddle.						
6.009	207792 Installation of wall corner clamp	998631		EA	40.49		
	Installation of Wall Corner Clamp. The clamp shall be issued by TPDDL. Consumables i.e. fastener etc. shall be in the scope of BA						
6.010	207794 Stand pipe for maintaining the Sagging	998631		EA	636.36		
	Installation of Stand pipe for maintaining the Sagging (GI Pipe shall be in the scope of TPDDL)						
6.011	207795 Removed meter seizure in gunny bag	998631		EA	122.43		
	Removed meter seizure in gunny bag						
	Service Subtotal						
	Services Total					18.00	
7.000	Meter Services for Yr-1 - Opex						
7.001	207821 Meter Installation - SP	998631		EA	535.96		
	Installation of 1 phase energy meter with / without meter box/ existing meter box / Panel/ with freedom unit and communication cable lying.						
7.002	207822 Meter Removal - SP	998631		EA	268.67		
	Removal of any single phase meter with / without meter box/ existing meter box / from Panel/ with freedom unit and						

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
	communication cable removal.						
7.003	207825 Meter Installation - PP	998631		EA	657.45		
	Installation of 3 phase whole current energy meter with / without meter box/ existing meter box / Panel/ with freedom unit and communication cable lying.						
7.004	207826 Meter Removal - PP	998631		EA	305.45		
	Removal of any Three phase whole current meter with / without meter box/ existing meter box / from Panel/ with freedom unit and communication cable removal.						
7.005	207827 Meter Installation - HT Meter Only	998631		EA	1,303.52		
	Installation of any HT energy meter along with modem and its termination in Metering cubicle / CTPT unit						
7.006	207828 Meter Removal - HT Meter Only	998631		EA	619.94		
	Removal of any HT energy meter along with modem and its termination from Metering cubicle / CTPT unit						
7.007	207833 "LTCT Meter box Installation#(100/5 & 20	998631		EA	1,667.78		
	" Installation of new LTCT meters with complete grouting, commissioning, supply of 8 Nos lugs and its crimping, energisation, communication of Meter and its allied accessories and seal installation with LTCT Meter box"						
7.008	207834 LTCT Meter with box Removal - All	998631		EA	508.80		

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
	Rating						
	" Removal of any LTCT meters from site with de-energisation, Meter, modem and its allied accessories with meter box. "						
7.009	207835 Meter Replacement - LTCT Meter Only	998631		EA	814.72		
	Replacement of LTCT meter/ LTCT Smart meter of any rating i.e. 100/5A or 200/5A or 400/5A without box						
7.010	207836 Smart Meter Installation SP	998631		EA	535.86		
	Installation of 1 phase smart meter with / without meter box/ existing meter box / Panel.						
7.011	207837 Smart Meter Installation PP	998631		EA	646.71		
	Installation of 3 phase whole current smart meter with / without meter box/ existing meter box / Panel.						
7.012	207838 Smart Meter Installation LTCT with box	998631		EA	1,650.65		
	" Installation of new LTCT Smart meters with complete grouting, commissioning, supply of 8 Nos lugs and its crimping, energisation , communication of Meter and its allied accessories and seal installation with LTCT Meter box"						
7.013	207844 Meter Accuracy test at site (SP/ PP/LTCT	998631		EA	107.17		
	SP/Polyphase/LTCT Meter Testing						
7.014	207853 Replacement of Freedom Unit	998631		EA	75.68		
	Replacement of Freedom Unit (without prepaid meter)						

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
7.015	207876 LTCT Meter box Installation-400/5	998631		EA	1,968.90		
	" Installation of new LTCT meters with complete grouting, commissioning, supply of 8 Nos lugs and its crimping, energisation, communication of Meter and its allied accessories and seal installation with LTCT Meter box"						
	Service Subtotal						
	Services Total					18.00	
8.000	Services for BB Box Yr-1 - Opex						
8.001	207823 Bus bar/ D/ Box Installation	998631		EA	354.46		
	Installation of any type of bus bar box / distribution box on wall along with supply of fastners / on pole with steel strap and buckles.						
8.002	207824 Bus bar/ D/ Box Removal	998631		EA	233.89		
	Removal of any type of bus bar box / distribution box from wall / from pole along with steel strap and buckles.						
	Service Subtotal						
	Services Total					18.00	
9.000	Cable Services for Yr-1 - Opex						
9.001	207856 Connection-Cable earthing at the pole	998631		EA	125.29		
	Connection of the service cable earthing at the pole & consumer end						
9.002	207857 Loop Connection (Any Rating)	998631		EA	135.07		

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
	Stringing of loop connection (length < 6 meter) any rating						
9.003	207858 Inst. Of 2*10/2*16 Cable O/H (7M-20M)	998631		EA	751.68		
	" Stringing, sagging of cable size 2x10 / 2 x 16 sq mm cable between 7m to 20m including installation of saddle, fastener for support and connection at pole (bare / ABC cable)/ feeder pillar with thimble/ HVDS network with thimble as per drawing."						
9.004	207859 Inst. Of 2*16 Cable O/H (>21M)	998631		EA	851.51		
	" Stringing, sagging of cable size 2x10 / 2 x 16 sq mm cable > 20m including installation of saddle, fastener for support and connection at pole (bare / ABC cable)/ feeder pillar with thimble/ HVDS network with thimble as per drawing."						
9.005	207860 Inst. Of 2*25 Cable O/H (7M-20M)	998631		EA	800.12		
	" Stringing, sagging of cable size 2 x 25 sq mm cable between 7m to 20m including installation of saddle, fastener for support and connection at pole (bare / ABC cable)/ feeder pillar with thimble/ HVDS network with thimble as per drawing."						
9.006	207861 Inst. Of 2*25 Cable O/H (>21M)	998631		EA	851.51		
	" Stringing, sagging of cable size 2 x 25 sq mm cable >20m including installation of saddle, fastener for support and connection at pole (bare / ABC cable)/ feeder pillar with thimble/ HVDS network with thimble as per drawing."						
	207862			EA			

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
9.007	Inst. Of 4*25 Cable O/H (7M-20M)	998631			876.36		
	" Stringing, sagging of cable size 4 x 25 sq mm cable between 7m to 20m including installation of saddle, fastener for support and connection at pole (bare / ABC cable)/ feeder pillar with thimble/ HVDS network with thimble as per drawing."						
9.008	207863 Inst. Of 4*25 Cable O/H (>21M)	998631		EA	926.17		
	" Stringing, sagging of cable size 4 x 25 sq mm cable >20m including installation of saddle, fastener for support and connection at pole (bare / ABC cable)/ feeder pillar with thimble/ HVDS network with thimble as per drawing."						
9.009	207864 Inst. Of 4*50 Cable O/H (7M-20M)	998631		EA	1,327.83		
	" Stringing, sagging of cable size 4 x 50 sq mm cable between 7m to 20m including installation of saddle, fastener for support and connection at pole (bare / ABC cable)/ feeder pillar with thimble/ HVDS network with thimble as per drawing."						
9.010	207865 Inst. Of 4*50 Cable O/H (>21M)	998631		EA	1,464.52		
	" Stringing, sagging of cable size 4 x 50 sq mm cable >20m including installation of saddle, fastener for support and connection at pole (bare / ABC cable)/ feeder pillar with thimble/ HVDS network with thimble as per drawing."						
9.011	207866 Inst. Of 4*95/4* 150 Cable O/H (7M-20M)	998631		EA	1,912.07		
	" Stringing, sagging of cable size 4*95/4* 150 sq mm cable between 7m to 20m						

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
	including installation of saddle, fastener for support and connection at pole (bare / ABC cable)/ feeder pillar with thimble/ HVDS network with thimble as per drawing."						
9.012	207867 Inst. Of 4*95/4*150 Cable O/H (>21M)	998631		EA	2,071.41		
	" Stringing, sagging of cable size 4*95/4* 150 sq mm cable >20m including installation of saddle, fastener for support and connection at pole (bare / ABC cable)/ feeder pillar with thimble/ HVDS network with thimble as per drawing."						
9.013	207868 Inst. Of 4* 300 Cable O/H (per meter)	998631		M	271.57		
	Laying/stringing of Overhead LT 1.1 kV XLPE insulated PVC sheathed AL conductor GI wire Armoured Cable of size 4CX300 sqmm as per TPDDL specification and connection at pole (bare / ABC cable)/ feeder pillar with thimble/ HVDS network with thimble						
9.014	207869 Cable Removal of 2*10/2*16/2*25(> 6 M)	998631		EA	145.29		
	Removal of cable (2X10/ 2X16/ 2X25 sq mm) service cable along with connection removal from pole/ bus bar/ already disconnected at site						
9.015	207870 Cable Removal of 4*25 sqmm/ 4*50 sqmm (>	998631		EA	166.32		
	Removal of cable (4X25/ 4X50 sq mm) service cable along with connection removal from pole/ bus bar/ already disconnected at site						
9.016	207871 Cable Removal of 4*95/4*150(> 6 M)	998631		EA	233.89		

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
	Removal of cable (4X95/ 4X150 sq mm) service cable along with connection removal from pole/ bus bar/ already disconnected at site						
9.017	207872 Cable Removal of 4*300(per meter)	998631		M	77.18		
	Removal of cable (4X300 sq mm) service cable along with connection removal from pole/ bus bar/ already disconnected at site						
9.018	207873 LoopCableRemoval(Anyrating cable)-upto6	998631		EA	54.06		
	"Removal of loop cable, any ratings, service cable along with connection removal from pole/ bus bar/ already disconnected at site"						
9.019	207874 U/G cable laying pm(for >= to 4x95sqmm)	998631		M	474.37		
	"(a) Excavation of cable trench upto 975 mm depth & 450 mm width in Ordinary Soil / Brick work/ Foot-Path of Tile/Rajasthani Stone /Ordinary Cement/ Bitumenous road as per TPDDL drawing and specification for laying of 1.1kV one Cable. Scope of work excludes lay ing of HUME/PVC pipe/GI Pipe.##(b) Laying (underground) of 1.1kV Armoured XLPE AL Cable of size >=95 sq mm in existing trench with supply & laying of 9 bricks horizontally with sand & back filling, ramming and levelling of earth as per TPDDL specification and d rawing. Scope also include removal and disposal of loose malba above road/ground level as per instruction of EIC#"						
	207875			M			

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
9.020	U/G cable laying in GI pipe(< 4x95sqmm)	998631			63.60		
	Laying of underground cable of size (less than 4x95 sq mm) upto 4x50 sqmm as per the standard practice for underground LT cable laying - per meter length- (total end to end cable length is to be calculated . no separate charge for exposed (o/h) cable part) with inclusion of excavation as per standard specification and installation of GI Pipe. The prices are excluding supply of GI pipe						
	Service Subtotal						
	Services Total					18.00	
10.000	CTPT/Cubicle Services Yr-1 - Opex						
10.001	207829 CTPT Installation	998631		EA	8,079.64		
	"Installation of new HT 11 KV out door Metering CTPT unit, includes to & fro transportation, commissioning and energisation in all respect (i.e. connection in meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30# height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door)."						
10.002	207830 CTPT Removal	998631		EA	3,344.18		
	" Dismantling of complete HT metering out door CTPT unit, includes to & fro						

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
	transportation, removing and de-energisation in all respect (i.e. connection from meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30# height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination removal, socket/thimble crimp, stand pipe flanges removal, meter terminal cover, window and chamber door removal from site)."						
10.00 3	207831 "Metering Cubicle Installation #(For Rep	998631		EA	10,922.84		
	" Installation of new HT 11 KV indoor Metering cubicle (with removal of defective metering cubicle and activity also include depo site back to MMG), include to & fro transportation, commissioning and energisation in all respect (i.e. grouting, masonry work, two earth connections, HT cable ends termination, socket/ thimble crimp, tape, plug cable entry hole, sealing cable end boxes, meter terminal cover, window and chamber door)."						
10.00 4	207832 Metering Cubicle Removal	998631		EA	3,841.26		
	" Removal HT 11 KV indoor Metering cubicle, include to & fro transportation, removal and de-energisation in all respect (i.e. grouting, masonry work, two earth connections, HT cable ends opening, removal of meter terminal cover, window and chamber door from site)."						
	Service Subtotal						
	Services Total					18.00	

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
11.000	Communication Services Yr-1 - Opex						
11.001	207840 NIC Troubleshooting with TAB/ Laptop (in case - Laptop/Tab in BA#s scope)	998631		EA	249.48		
11.002	207841 NIC Troubleshooting without TAB/ Laptop (in case - Laptop/Tab in TPDDL#s Scope)	998631		EA	233.89		
11.003	207842 Return Cases - NIC OR Modem TS Return Case NIC or Modem Troubleshooting	998631		EA	120.13		
11.004	207843 Modem Trouble Shooting activity Modem Trouble Shooting activity	998631		EA	218.30		
11.005	207845 Data downloading of meters Data downloading of any meter per case	998631		EA	107.17		
	Service Subtotal						
	Services Total					18.00	
12.000	Other Services Yr-1 - Opex						
12.001	207839 Cancellation cases during replacement Cancellation of meter installation cases with remarks i.e. Meter found ok at site. Un-successful MRO Visit	998631		EA	143.87		
12.00	207877 Prefab. GI Structure (Supply Item)/ kg	998631		KG	114.35		

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
2	" Prefabricated GI structural angle/channel/flats of different sizes, as per the site requirement"						
12.003	207846 Replacement HT meter chamber/cntrl cable	998631		EA	636.36		
	" Replacement of HT Metering chamber of HT 11 KV out door Metering CTPT unit/ replacement of control cable pipe , energy meter and allied accessories include to & fro transportation, commissioning and energisation in all respect (i.e. reconnection in meter box from CTPT terminal block through control cable, stand pipe flange replacement, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door)."						
12.004	207847 Dismantling of consumer Iron panel	998631		EA	813.40		
	Dismantling of consumer Iron panel (in societies / common metering place etc) for clearing the site for meter installation with meter box						
12.005	207848 B Angle/ S anchor/ S clamp/ SI angle	998631		EA	49.82		
	" Installation of MS Bracket for Anchoring service cable of size 50, 95 & 150 sqmm / Installation of Service Cable Anchor / Installation of Slotted angle on pole in case of 2x10/2x25/4x25/4x95 cable lying, on uncleaned poles.#(Number of each individual items used at one site shall be considered as number of Qyantity for this particular						

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
	service for billing)."						
12.006	207849 Reworking-CT Meter ter./Dressing - Pole	998631		EA	284.00		
	" Minor reworking includes termination (thimble / socket crimping, gland change, cable lead extension crimping and tightening) and cable dressing during pole cleaning."						
12.007	207850 SITC of Jublee Clip	998631		EA	18.05		
	" Jubli clip of suitable size, for earthing cable at meter end. "						
12.008	207851 "SITC of ""O"" Shape Quick Link "	998631		EA	30.08		
	O Shape Quick Link with Fasteners and Saddle.						
12.009	207852 Installation of wall corner clamp	998631		EA	40.49		
	Installation of Wall Corner Clamp. The clamp shall be issued by TPDDL. Consumables i.e. fastener etc. shall be in the scope of BA						
12.010	207854 Stand pipe for maintaining the Sagging	998631		EA	636.36		
	Installation of Stand pipe for maintaining the Sagging (GI Pipe shall be in the scope of TPDDL)						
12.011	207855 Removed meter seizure in gunny bag	998631		EA	122.43		
	Removed meter seizure in gunny bag						
	Service Subtotal						
	Services Total					18.00	

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
13.000	Meter Services for Yr-2 - Capex						
13.001	207761 Meter Installation - SP	998631		EA	562.76		
	Installation of 1 phase energy meter with / without meter box/ existing meter box / Panel/ with freedom unit and communication cable lying.						
13.002	207762 Meter Removal - SP	998631		EA	282.10		
	Removal of any single phase meter with / without meter box/ existing meter box / from Panel/ with freedom unit and communication cable removal.						
13.003	207765 Meter Installation - PP	998631		EA	690.33		
	Installation of 3 phase whole current energy meter with / without meter box/ existing meter box / Panel/ with freedom unit and communication cable lying.						
13.004	207766 Meter Removal - PP	998631		EA	320.72		
	Removal of any Three phase whole current meter with / without meter box/ existing meter box / from Panel/ with freedom unit and communication cable removal.						
13.005	207767 Meter Installation - HT Meter Only	998631		EA	1,368.70		
	Installation of any HT energy meter along with modem and its termination in Metering cubicle / CTPT unit						
13.00	207768 Meter Removal - HT Meter Only	998631		EA	650.94		

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
6							
	Removal of any HT energy meter along with modem and its termination from Metering cubicle / CTPT unit						
13.007	207773 "LTCT Meter box Installation#(100/5 & 20	998631		EA	1,751.17		
	" Installation of new LTCT meters with complete grouting, commissioning, supply of 8 Nos lugs and its crimping, energisation, communication of Meter and its allied accessories and seal installation with LTCT Meter box"						
13.008	207774 LTCT Meter with box Removal - All Rating	998631		EA	534.24		
	" Removal of any LTCT meters from site with de-energisation, Meter, modem and its allied accessories with meter box. "						
13.009	207775 Meter Replacement - LTCT Meter Only	998631		EA	855.45		
	Replacement of LTCT meter/ LTCT Smart meter of any rating i.e. 100/5A or 200/5A or 400/5A without box						
13.010	207776 Smart Meter Installation SP	998631		EA	562.65		
	Installation of 1 phase smart meter with / without meter box/ existing meter box / Panel.						
13.011	207777 Smart Meter Installation PP	998631		EA	679.04		
	Installation of 3 phase whole current smart meter with / without meter box/ existing meter box / Panel.						
13.012	207778 Smart Meter Installation LTCT with box	998631		EA	1,733.19		

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
	" Installation of new LTCT Smart meters with complete grouting, commissioning, supply of 8 Nos lugs and its crimping, energisation, communication of Meter and its allied accessories and seal installation with LTCT Meter box"						
13.013	207784 Meter Accuracy test at site (SP/PP/LTCT	998631		EA	112.53		
	SP/Polyphase/LTCT Meter Testing						
13.014	207793 Replacement of Freedom Unit	998631		EA	79.47		
	Replacement of Freedom Unit (without prepaid meter)						
13.015	207812 LTCT Meter box Installation-400/5	998631		EA	2,067.34		
	" Installation of new LTCT meters with complete grouting, commissioning, supply of 8 Nos lugs and its crimping, energisation, communication of Meter and its allied accessories and seal installation with LTCT Meter box"						
	Service Subtotal						
	Services Total					18.00	
14.000	Services for BB Box Yr-2 - Capex						
14.001	207763 Bus bar/ D/ Box Installation	998631	1,396	EA	372.19		519,577.24
	Installation of any type of bus bar box / distribution box on wall along with supply of fastners / on pole with steel strap and buckles.						
14.001	207764 Bus bar/ D/ Box Removal	998631	130	EA	245.58		31,925.40

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
2							
	Removal of any type of bus bar box / distribution box from wall / from pole along with steel strap and buckles.						
14.00 3	208205 Bus bar box Installation	998631		EA	372.19		
	Installation of any type of bus bar box on wall along with supply of fastners / on pole with steel strap and buckles.						
14.00 4	208206 Distribution box Installation	998631		EA	372.19		
	Installation of any type of distribution box on wall along with supply of fastners / on pole with steel strap and buckles.						
14.00 5	208207 Bus bar box removal	998631		EA	245.58		
	Removal of any type of bus bar box from wall / from pole along with steel strap and buckles.						
14.00 6	208208 Distribution box removal	998631		EA	245.58		
	Removal of any type of distribution box from wall / from pole along with steel strap and buckles.						
	Service Subtotal						551,502.64
	Services Total				551,502.64	18.00	650,773.12
15.00 0	Cable Services for Yr-2 - Capex						
15.00 1	207796 Connection-Cable earthing at the pole	998631		EA	131.56		
	Connection of the service cable earthing at the pole & consumer end						
15.00 2	207797 Loop Connection (Any Rating)	998631		EA	141.82		

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
	Stringing of loop connection (length < 6 meter) any rating						
15.003	207798 Inst. Of 2*10/2*16 Cable O/H (7M-20M)	998631		EA	789.26		
	" Stringing, sagging of cable size 2x10 / 2 x 16 sq mm cable between 7m to 20m including installation of saddle, fastener for supp ort and connection at pole (bare / ABC cable)/ feeder pillar with thimble/ HVDS network with thimble as per drawing."						
15.004	207799 Inst. Of 2*16 Cable O/H (>21M)	998631		EA	894.08		
	" Stringing, sagging of cable size 2x10 / 2 x 16 sq mm cable > 20m including installation of saddle, fastener for support and conn ection at pole (bare / ABC cable)/ feeder pillar with thimble/ HVDS network with thimble as per drawing."						
15.005	207800 Inst. Of 2*25 Cable O/H (7M-20M)	998631		EA	840.13		
	" Stringing, sagging of cable size 2 x 25 sq mm cable between 7m to 20m including installation of saddle, fastener for support and connection at pole (bare / ABC cable)/ feeder pillar with thimble/ HVDS network with thimble as per drawing."						
15.006	207801 Inst. Of 2*25 Cable O/H (>21M)	998631		EA	894.09		
	" Stringing, sagging of cable size 2 x 25 sq mm cable >20m including installation of saddle, fastener for support and connection a t pole (bare / ABC cable)/ feeder pillar with thimble/ HVDS network with thimble as per drawing."						
15.00	207802 Inst. Of 4*25 Cable O/H (7M-20M)	998631		EA	920.18		

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
7							
	" Stringing, sagging of cable size 4 x 25 sq mm cable between 7m to 20m including installation of saddle, fastener for support and connection at pole (bare / ABC cable)/ feeder pillar with thimble/ HVDS network with thimble as per drawing."						
15.008	207803 Inst. Of 4*25 Cable O/H (>21M)	998631		EA	972.48		
	" Stringing, sagging of cable size 4 x 25 sq mm cable >20m including installation of saddle, fastener for support and connection at pole (bare / ABC cable)/ feeder pillar with thimble/ HVDS network with thimble as per drawing."						
15.009	207804 Inst. Of 4*50 Cable O/H (7M-20M)	998631		EA	1,394.22		
	" Stringing, sagging of cable size 4 x 50 sq mm cable between 7m to 20m including installation of saddle, fastener for support and connection at pole (bare / ABC cable)/ feeder pillar with thimble/ HVDS network with thimble as per drawing."						
15.010	207805 Inst. Of 4*50 Cable O/H (>21M)	998631		EA	1,537.74		
	" Stringing, sagging of cable size 4 x 50 sq mm cable >20m including installation of saddle, fastener for support and connection at pole (bare / ABC cable)/ feeder pillar with thimble/ HVDS network with thimble as per drawing."						
15.011	207806 Inst. Of 4*95/4* 150 Cable O/H (7M-20M)	998631		EA	2,007.67		
	" Stringing, sagging of cable size 4*95/4* 150 sq mm cable between 7m to 20m including installation of saddle, fastener						

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
	for support and connection at pole (bare / ABC cable)/ feeder pillar with thimble/ HVDS network with thimble as per drawing."						
15.01 2	207807 Inst. Of 4*95/4*150 Cable O/H (>21M)	998631		EA	2,174.98		
	" Stringing, sagging of cable size 4*95/4* 150 sq mm cable >20m including installation of saddle, fastener for support and connection at pole (bare / ABC cable)/ feeder pillar with thimble/ HVDS network with thimble as per drawing."						
15.01 3	207879 Inst. Of 4* 300 Cable O/H (per meter)	998631		M	285.15		
	Laying/stringing of Overhead LT 1.1 kV XLPE insulated PVC sheathed AL conductor GI wire Armoured Cable of size 4CX300 sqmm as per TPDDL specification and connection at pole (bare / ABC cable)/ feeder pillar with thimble/ HVDS network with thimble						
15.01 4	207808 Cable Removal of 2*10/2*16/2*25(> 6 M)	998631		EA	152.56		
	Removal of cable (2X10/ 2X16/ 2X25 sq mm) service cable along with connection removal from pole/ bus bar/ already disconnected at site						
15.01 5	207809 Cable Removal of 4*25 sqmm/ 4*50 sqmm (>	998631		EA	174.64		
	Removal of cable (4X25/ 4X50 sq mm) service cable along with connection removal from pole/ bus bar/ already disconnected at site						
15.01 6	207810 Cable Removal of 4*95/4*150(> 6 M)	998631		EA	245.58		

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
	Removal of cable (4X95/ 4X150 sq mm) service cable along with connection removal from pole/ bus bar/ already disconnected at site						
15.017	207880 Cable Removal of 4*300(per meter)	998631		M	81.04		
	Removal of cable (4X300 sq mm) service cable along with connection removal from pole/ bus bar/ already disconnected at site						
15.018	207811 LoopCableRemoval(Anyrating cable)-upto6	998631		EA	56.76		
	"Removal of loop cable, any ratings, service cable along with connection removal from pole/ bus bar/ already disconnected at site"						
15.019	207881 U/G cable laying pm(for >= to 4x95sqmm)	998631		M	498.09		
	"(a) Excavation of cable trench upto 975 mm depth & 450 mm width in Ordinary Soil / Brick work/ Foot-Path of Tile/Rajasthani Stone /Ordinary Cement/ Bitumenous road as per TPDDL drawing and specification for laying of 1.1kV one Cable. Scope of work excludes lay ing of HUME/PVC pipe/GI Pipe.##(b) Laying (underground) of 1.1kV Armoured XLPE AL Cable of size >=95 sq mm in existing trench with supply & laying of 9 bricks horizontally with sand & back filling, ramming and levelling of earth as per TPDDL specification and d rawing. Scope also include removal and disposal of loose malba above road/ground level as per instruction of EIC#"						
15.020	207882 U/G cable laying in GI pipe(< 4x95sqmm)	998631		M	66.78		

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
	Laying of underground cable of size (less than 4x95 sw mm) upto 4x50 sqmm as per the standard practice for underground LT cable laying - per meter length- (total end to end cable length is to be calculated . no separate charge for exposed (o/h) cable part) with inclusion of excavation as per standard specification and installation of GI Pipe. The prices are excluding supply of GI pipe						
	Service Subtotal						
	Services Total					18.00	
16.000	CTPT/Cubicle Services Yr-2 - Capex						
16.001	207769 CTPT Installation	998631		EA	8,483.62		
	"Installation of new HT 11 KV out door Metering CTPT unit, includes to & fro transportation, commissioning and energisation in all respect (i.e. connection in meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30# height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door)."						
16.002	207770 CTPT Removal	998631		EA	3,511.39		
	" Dismantling of complete HT metering out door CTPT unit, includes to & fro transportation, removing and de-energisation in all respect (i.e. connection from meter box						

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
	from CTPT terminal block through control cable, pole mount CTPT unit erected at 30# height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination removal, socket/thimble crimp, stand pipe flanges removal, meter terminal cover, window and chamber door removal from site)."						
16.003	207771 "Metering Cubicle Installation #(For Rep	998631		EA	11,468.98		
	" Installation of new HT 11 KV indoor Metering cubicle (with removal of defective metering cubicle and activity also include depo site back to MMG), include to & fro transportation, commissioning and energisation in all respect (i.e. grouting, masonry work, two earth connections, HT cable ends termination, socket/ thimble crimp, tape, plug cable entry hole, sealing cable end boxes, meter terminal cover, window and chamber door). "						
16.004	207772 Metering Cubicle Removal	998631		EA	4,033.32		
	" Removal HT 11 KV indoor Metering cubicle, include to & fro transportation, removal and de-energisation in all respect (i.e. grouting, masonry work, two earth connections, HT cable ends opening, removal of meter terminal cover, window and chamber door from site)."						
	Service Subtotal						
	Services Total					18.00	
17.000	Communication Services Yr-2 - Capex						

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
17.00 1	207780 NIC Troubleshooting with TAB/ Laptop (in case - Laptop/Tab in BA#s scope)	998631		EA	261.95		
17.00 2	207781 NIC Troubleshooting without TAB/ Laptop (in case - Laptop/Tab in TPDDL#s Scope)	998631		EA	245.58		
17.00 3	207782 Return Cases - NIC OR Modem TS Return Case NIC or Modem Troubleshooting	998631		EA	126.14		
17.00 4	207783 Modem Trouble Shooting activity Modem Trouble Shooting activity	998631		EA	229.22		
17.00 5	207785 Data downloading of meters Data downloading of any meter per case	998631		EA	112.52		
	Service Subtotal						
	Services Total					18.00	
18.00 0	Other Services Yr-2 - Capex						
18.00 1	207779 Cancellation cases during replacement Cancellation of meter installation cases with remarks i.e. Meter found ok at site. Un-successful MRO Visit	998631		EA	151.07		
18.00 2	207878 Prefab. GI Structure (Supply Item)/ kg " Prefabricated GI structural angle/ channel/flats of different sizes, as per the site requirement"	998631	2,163.035	KG	120.07		259,715.61

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
18.003	207786 Replacement HT meter chamber/cntrl cable	998631		EA	668.18		
	" Replacement of HT Metering chamber of HT 11 KV out door Metering CTPT unit/ replacement of control cable pipe , energy meter and allied accessories include to & fro transportation, commissioning and energisation in all respect (i.e. reconnection in meter box from CTPT terminal block through control cable, stand pipe flange replacement, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door)."						
18.004	207787 Dismantling of consumer Iron panel	998631		EA	854.07		
	Dismantling of consumer Iron panel (in societies / common metering place etc) for clearing the site for meter installation with meter box						
18.005	207788 B Angle/ S anchor/ S clamp/ SI angle	998631	11,035	EA	52.31		577,240.85
	" Installation of GI Bracket for Anchoring service cable of size 50, 95 & 150 sqmm / Installation of Service Cable Anchor / Installation of Slotted angle on pole in case of 2x10/2x25/4x25/4x95 cable lying, on uncleaned poles.#(Number of each individual items used at one site shall be considered as number of Quantity for this particular service for billing)."						
18.00	207789 Reworking-CT Meter ter./Dressing -	998631		EA	298.19		

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
6	Pole						
	" Minor reworking includes termination (thimble / socket crimping, gland change, cable lead extension crimping and tightening) and cable dressing during pole cleaning."						
18.007	207790 SITC of Jublee Clip	998631		EA	18.95		
	" Jubli clip of suitable size, for earthing cable at meter end. "						
18.008	207791 "SITC of ""O"" Shape Quick Link "	998631		EA	31.59		
	O Shape Quick Link with Fasteners and Saddle.						
18.009	207792 Installation of wall corner clamp	998631		EA	42.52		
	Installation of Wall Corner Clamp. The clamp shall be issued by TPDDL. Consumables i.e. fastener etc. shall be in the scope of BA						
18.010	207794 Stand pipe for maintaining the Sagging	998631		EA	668.18		
	Installation of Stand pipe for maintaining the Sagging (GI Pipe shall be in the scope of TPDDL)						
18.011	207795 Removed meter seizure in gunny bag	998631		EA	128.55		
	Removed meter seizure in gunny bag						
18.012	208209 GI/MS Angle Bracket	998631		EA	52.31		
	Installation of GI/MS Angle Bracket for Anchoring service cable of different sizes on poles/walls.(Number of each individual items used at one site shall be considered as number of Quantity for this particular						

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
	service for billing).						
18.01 3	208210 Service cable anchor	998631		EA	52.31		
	Installation of Service Cable Anchor on poles/walls.(Number of each individual items used at one site shall be considered as number of Quantity for this particular service for billing)						
18.01 4	208331 Suspension clamp	998631		EA	52.31		
	Installation of Suspension clamp on poles/walls.(Number of each individual items used at one site shall be considered as number of Quantity for this particular service for billing)						
18.01 5	208332 GI/MS Slotted angle	998631		EA	52.31		
	Installation of GI/MS Slotted angle on poles/walls.(Number of each individual items used at one site shall be considered as number of Quantity for this particular service for billing)						
18.01 6	208203 Prefab. GI/MS ANGLE BRACKET (Supply)	998631		KG	120.07		
	Supply of Prefabricated GI/MS structure angle bracket of different sizes, as per the site requirement.						
18.01 7	208204 Prefab. GI/MS Slotted angle(Supply)	998631		KG	120.07		
	"Supply of Prefabricated GI/MS structure Slotted angle of different sizes, as per the site requirement"" "						
	Service Subtotal						836,956.46
	Services Total				836,956.46	18.00	987,608.62

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
19.000	Meter Services for Yr-2 - Opex						
19.001	207821 Meter Installation - SP	998631		EA	562.76		
	Installation of 1 phase energy meter with / without meter box/ existing meter box / Panel/ with freedom unit and communication cable lying.						
19.002	207822 Meter Removal - SP	998631		EA	282.10		
	Removal of any single phase meter with / without meter box/ existing meter box / from Panel/ with freedom unit and communication cable removal.						
19.003	207825 Meter Installation - PP	998631		EA	690.33		
	Installation of 3 phase whole current energy meter with / without meter box/ existing meter box / Panel/ with freedom unit and communication cable lying.						
19.004	207826 Meter Removal - PP	998631		EA	320.72		
	Removal of any Three phase whole current meter with / without meter box/ existing meter box / from Panel/ with freedom unit and communication cable removal.						
19.005	207827 Meter Installation - HT Meter Only	998631		EA	1,368.70		
	Installation of any HT energy meter along with modem and its termination in Metering cubicle / CTPT unit						
19.00	207828 Meter Removal - HT Meter Only	998631		EA	650.94		

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
6							
	Removal of any HT energy meter along with modem and its termination from Metering cubicle / CTPT unit						
19.007	207833 "LTCT Meter box Installation#(100/5 & 20	998631		EA	1,751.17		
	" Installation of new LTCT meters with complete grouting, commissioning, supply of 8 Nos lugs and its crimping, energisation, communication of Meter and its allied accessories and seal installation with LTCT Meter box"						
19.008	207834 LTCT Meter with box Removal - All Rating	998631		EA	534.24		
	" Removal of any LTCT meters from site with de-energisation, Meter, modem and its allied accessories with meter box. "						
19.009	207835 Meter Replacement - LTCT Meter Only	998631		EA	855.45		
	Replacement of LTCT meter/ LTCT Smart meter of any rating i.e. 100/5A or 200/5A or 400/5A without box						
19.010	207836 Smart Meter Installation SP	998631		EA	562.65		
	Installation of 1 phase smart meter with / without meter box/ existing meter box / Panel.						
19.011	207837 Smart Meter Installation PP	998631		EA	679.04		
	Installation of 3 phase whole current smart meter with / without meter box/ existing meter box / Panel.						
19.012	207838 Smart Meter Installation LTCT with box	998631		EA	1,733.19		

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
	" Installation of new LTCT Smart meters with complete grouting, commissioning, supply of 8 Nos lugs and its crimping, energisation, communication of Meter and its allied accessories and seal installation with LTCT Meter box"						
19.013	207844 Meter Accuracy test at site (SP/PP/LTCT	998631		EA	112.53		
	SP/Polyphase/LTCT Meter Testing						
19.014	207853 Replacement of Freedom Unit	998631		EA	79.47		
	Replacement of Freedom Unit (without prepaid meter)						
19.015	207876 LTCT Meter box Installation-400/5	998631		EA	2,067.34		
	" Installation of new LTCT meters with complete grouting, commissioning, supply of 8 Nos lugs and its crimping, energisation, communication of Meter and its allied accessories and seal installation with LTCT Meter box"						
	Service Subtotal						
	Services Total					18.00	
20.000	Services for BB Box Yr-2 - Opex						
20.001	207823 Bus bar/ D/ Box Installation	998631	85	EA	372.19		31,636.15
	Installation of any type of bus bar box / distribution box on wall along with supply of fastners / on pole with steel strap and buckles.						
20.00	207824 Bus bar/ D/ Box Removal	998631	22	EA	245.58		5,402.76

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
2							
	Removal of any type of bus bar box / distribution box from wall / from pole along with steel strap and buckles.						
20.00 3	208199 Bus bar box Installation	998631		EA	372.19		
	Installation of any type of bus bar box on wall along with supply of fastners / on pole with steel strap and buckles.						
20.00 4	208200 Distribution box Installation	998631		EA	372.19		
	Installation of any type of distribution box on wall along with supply of fastners / on pole with steel strap and buckles.						
20.00 5	208341 Bus bar box removal	998631		EA	245.58		
	Removal of any type of bus bar box from wall / from pole along with steel strap and buckles.						
20.00 6	208342 Distribution box removal	998631		EA	245.58		
	Removal of any type of distribution box from wall / from pole along with steel strap and buckles.						
	Service Subtotal						37,038.91
	Services Total				37,038.91	18.00	43,705.91
21.00 0	Cable Services for Yr-2 - Opex						
21.00 1	207856 Connection-Cable earthing at the pole	998631		EA	131.56		
	Connection of the service cable earthing at the pole & consumer end						
21.00 2	207857 Loop Connection (Any Rating)	998631		EA	141.82		

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
	Stringing of loop connection (length < 6 meter) any rating						
21.003	207858 Inst. Of 2*10/2*16 Cable O/H (7M-20M)	998631		EA	789.26		
	" Stringing, sagging of cable size 2x10 / 2 x 16 sq mm cable between 7m to 20m including installation of saddle, fastener for supp ort and connection at pole (bare / ABC cable)/ feeder pillar with thimble/ HVDS network with thimble as per drawing."						
21.004	207859 Inst. Of 2*16 Cable O/H (>21M)	998631		EA	894.08		
	" Stringing, sagging of cable size 2x10 / 2 x 16 sq mm cable > 20m including installation of saddle, fastener for support and conn ection at pole (bare / ABC cable)/ feeder pillar with thimble/ HVDS network with thimble as per drawing."						
21.005	207860 Inst. Of 2*25 Cable O/H (7M-20M)	998631		EA	840.13		
	" Stringing, sagging of cable size 2 x 25 sq mm cable between 7m to 20m including installation of saddle, fastener for support and connection at pole (bare / ABC cable)/ feeder pillar with thimble/ HVDS network with thimble as per drawing."						
21.006	207861 Inst. Of 2*25 Cable O/H (>21M)	998631		EA	894.09		
	" Stringing, sagging of cable size 2 x 25 sq mm cable >20m including installation of saddle, fastener for support and connection a t pole (bare / ABC cable)/ feeder pillar with thimble/ HVDS network with thimble as per drawing."						
21.00	207862 Inst. Of 4*25 Cable O/H (7M-20M)	998631		EA	920.18		

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
7							
	" Stringing, sagging of cable size 4 x 25 sq mm cable between 7m to 20m including installation of saddle, fastener for support and connection at pole (bare / ABC cable)/ feeder pillar with thimble/ HVDS network with thimble as per drawing."						
21.008	207863 Inst. Of 4*25 Cable O/H (>21M)	998631		EA	972.48		
	" Stringing, sagging of cable size 4 x 25 sq mm cable >20m including installation of saddle, fastener for support and connection at pole (bare / ABC cable)/ feeder pillar with thimble/ HVDS network with thimble as per drawing."						
21.009	207864 Inst. Of 4*50 Cable O/H (7M-20M)	998631		EA	1,394.22		
	" Stringing, sagging of cable size 4 x 50 sq mm cable between 7m to 20m including installation of saddle, fastener for support and connection at pole (bare / ABC cable)/ feeder pillar with thimble/ HVDS network with thimble as per drawing."						
21.010	207865 Inst. Of 4*50 Cable O/H (>21M)	998631		EA	1,537.74		
	" Stringing, sagging of cable size 4 x 50 sq mm cable >20m including installation of saddle, fastener for support and connection at pole (bare / ABC cable)/ feeder pillar with thimble/ HVDS network with thimble as per drawing."						
21.011	207866 Inst. Of 4*95/4* 150 Cable O/H (7M-20M)	998631		EA	2,007.67		
	" Stringing, sagging of cable size 4*95/4* 150 sq mm cable between 7m to 20m including installation of saddle, fastener						

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
	for support and connection at pole (bare / ABC cable)/ feeder pillar with thimble/ HVDS network with thimble as per drawing."						
21.01 2	207867 Inst. Of 4*95/4*150 Cable O/H (>21M)	998631		EA	2,174.98		
	" Stringing, sagging of cable size 4*95/4* 150 sq mm cable >20m including installation of saddle, fastener for support and connection at pole (bare / ABC cable)/ feeder pillar with thimble/ HVDS network with thimble as per drawing."						
21.01 3	207868 Inst. Of 4* 300 Cable O/H (per meter)	998631		M	285.15		
	Laying/stringing of Overhead LT 1.1 kV XLPE insulated PVC sheathed AL conductor GI wire Armoured Cable of size 4CX300 sqmm as per TPDDL specification and connection at pole (bare / ABC cable)/ feeder pillar with thimble/ HVDS network with thimble						
21.01 4	207869 Cable Removal of 2*10/2*16/2*25(> 6 M)	998631		EA	152.56		
	Removal of cable (2X10/ 2X16/ 2X25 sq mm) service cable along with connection removal from pole/ bus bar/ already disconnected at site						
21.01 5	207870 Cable Removal of 4*25 sqmm/ 4*50 sqmm (>	998631		EA	174.64		
	Removal of cable (4X25/ 4X50 sq mm) service cable along with connection removal from pole/ bus bar/ already disconnected at site						
21.01 6	207871 Cable Removal of 4*95/4*150(> 6 M)	998631		EA	245.58		

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
	Removal of cable (4X95/ 4X150 sq mm) service cable along with connection removal from pole/ bus bar/ already disconnected at site						
21.017	207872 Cable Removal of 4*300(per meter)	998631		M	81.04		
	Removal of cable (4X300 sq mm) service cable along with connection removal from pole/ bus bar/ already disconnected at site						
21.018	207873 LoopCableRemoval(Anyrating cable)-upto6	998631		EA	56.76		
	"Removal of loop cable, any ratings, service cable along with connection removal from pole/ bus bar/ already disconnected at site"						
21.019	207874 U/G cable laying pm(for >= to 4x95sqmm)	998631		M	498.09		
	"(a) Excavation of cable trench upto 975 mm depth & 450 mm width in Ordinary Soil / Brick work/ Foot-Path of Tile/Rajasthani Stone /Ordinary Cement/ Bitumenous road as per TPDDL drawing and specification for laying of 1.1kV one Cable. Scope of work excludes lay ing of HUME/PVC pipe/GI Pipe.##(b) Laying (underground) of 1.1kV Armoured XLPE AL Cable of size >=95 sq mm in existing trench with supply & laying of 9 bricks horizontally with sand & back filling, ramming and levelling of earth as per TPDDL specification and d rawing. Scope also include removal and disposal of loose malba above road/ground level as per instruction of EIC#"						
21.020	207875 U/G cable laying in GI pipe(< 4x95sqmm)	998631		M	66.78		

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
	Laying of underground cable of size (less than 4x95 sw mm) upto 4x50 sqmm as per the standard practice for underground LT cable laying - per meter length- (total end to end cable length is to be calculated . no separate charge for exposed (o/h) cable part) with inclusion of excavation as per standard specification and installation of GI Pipe. The prices are excluding supply of GI pipe						
	Service Subtotal						
	Services Total					18.00	
22.00 0	CTPT/Cubicle Services Yr-2 - Opex						
22.00 1	207829 CTPT Installation	998631		EA	8,483.62		
	"Installation of new HT 11 KV out door Metering CTPT unit, includes to & fro transportation, commissioning and energisation in all respect (i.e. connection in meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30# height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door)."						
22.00 2	207830 CTPT Removal	998631		EA	3,511.39		
	" Dismantling of complete HT metering out door CTPT unit, includes to & fro transportation, removing and de-energisation in all respect (i.e. connection from meter box						

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
	from CTPT terminal block through control cable, pole mount CTPT unit erected at 30# height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination removal, socket/thimble crimp, stand pipe flanges removal, meter terminal cover, window and chamber door removal from site)."						
22.00 3	207831 "Metering Cubicle Installation #(For Rep	998631		EA	11,468.98		
	" Installation of new HT 11 KV indoor Metering cubicle (with removal of defective metering cubicle and activity also include depo site back to MMG), include to & fro transportation, commissioning and energisation in all respect (i.e. grouting, masonry work, two earth connections, HT cable ends termination, socket/ thimble crimp, tape, plug cable entry hole, sealing cable end boxes, meter terminal cover, window and chamber door)."						
22.00 4	207832 Metering Cubicle Removal	998631		EA	4,033.32		
	" Removal HT 11 KV indoor Metering cubicle, include to & fro transportation, removal and de-energisation in all respect (i.e. grouting, masonry work, two earth connections, HT cable ends opening, removal of meter terminal cover, window and chamber door from site)."						
	Service Subtotal						
	Services Total					18.00	
23.00 0	Communication Services Yr-2 - Opex						

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
23.00 1	207840 NIC Troubleshooting with TAB/ Laptop (in case - Laptop/Tab in BA#s scope)	998631		EA	261.95		
23.00 2	207841 NIC Troubleshooting without TAB/ Laptop (in case - Laptop/Tab in TPDDL#s Scope)	998631		EA	245.58		
23.00 3	207842 Return Cases - NIC OR Modem TS Return Case NIC or Modem Troubleshooting	998631		EA	126.14		
23.00 4	207843 Modem Trouble Shooting activity Modem Trouble Shooting activity	998631		EA	229.22		
23.00 5	207845 Data downloading of meters Data downloading of any meter per case	998631		EA	112.52		
	Service Subtotal						
	Services Total					18.00	
24.00 0	Other Services Yr-2 - Opex						
24.00 1	207839 Cancellation cases during replacement Cancellation of meter installation cases with remarks i.e. Meter found ok at site. Un-successful MRO Visit	998631		EA	151.07		
24.00 2	207877 Prefab. GI Structure (Supply Item)/ kg " Prefabricated GI structural angle/channel/flats of different sizes, as per the site requirement"	998631	40.862	KG	120.07		4,906.30

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
24.003	207846 Replacement HT meter chamber/cntrl cable	998631		EA	668.18		
	" Replacement of HT Metering chamber of HT 11 KV out door Metering CTPT unit/ replacement of control cable pipe , energy meter and allied accessories include to & fro transportation, commissioning and energisation in all respect (i.e. reconnection in meter box from CTPT terminal block through control cable, stand pipe flange replacement, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door)."						
24.004	207847 Dismantling of consumer Iron panel	998631		EA	854.07		
	Dismantling of consumer Iron panel (in societies / common metering place etc) for clearing the site for meter installation with meter box						
24.005	207848 B Angle/ S anchor/ S clamp/ SI angle	998631	1,109	EA	52.31		58,011.79
	" Installation of MS Bracket for Anchoring service cable of size 50, 95 & 150 sqmm / Installation of Service Cable Anchor / Installation of Slotted angle on pole in case of 2x10/2x25/4x25/4x95 cable lying, on uncleaned poles.#(Number of each individual items used at one site shall be considered as number of Quantity for this particular service for billing)."						
24.00	207849 Reworking-CT Meter ter./Dressing -	998631		EA	298.19		

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
6	Pole						
	" Minor reworking includes termination (thimble / socket crimping, gland change, cable lead extension crimping and tightening) and cable dressing during pole cleaning."						
24.007	207850 SITC of Jublee Clip	998631		EA	18.95		
	" Jubli clip of suitable size, for earthing cable at meter end. "						
24.008	207851 "SITC of ""O"" Shape Quick Link "	998631		EA	31.59		
	O Shape Quick Link with Fasteners and Saddle.						
24.009	207852 Installation of wall corner clamp	998631		EA	42.52		
	Installation of Wall Corner Clamp. The clamp shall be issued by TPDDL. Consumables i.e. fastener etc. shall be in the scope of BA						
24.010	207854 Stand pipe for maintaining the Sagging	998631		EA	668.18		
	Installation of Stand pipe for maintaining the Sagging (GI Pipe shall be in the scope of TPDDL)						
24.011	207855 Removed meter seizure in gunny bag	998631		EA	128.55		
	Removed meter seizure in gunny bag						
24.012	208343 GI/MS Angle Bracket	998631		EA	52.31		
	Installation of GI/MS Angle Bracket for Anchoring service cable of different sizes on poles/walls.(Number of each individual items used at one site shall be considered as number of Quantity for this particular						

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
	service for billing).						
24.01 3	208344 Service cable anchor	998631		EA	52.31		
	Installation of Service Cable Anchor on poles/walls.(Number of each individual items used at one site shall be considered as number of Quantity for this particular service for billing)						
24.01 4	208345 Suspension clamp	998631		EA	52.31		
	Installation of Suspension clamp on poles/walls.(Number of each individual items used at one site shall be considered as number of Quantity for this particular service for billing)						
24.01 5	208346 GI/MS Slotted angle	998631		EA	52.31		
	Installation of GI/MS Slotted angle on poles/walls.(Number of each individual items used at one site shall be considered as number of Quantity for this particular service for billing)						
24.01 6	208347 Prefab. GI/MS ANGLE BRACKET (Supply)	998631		KG	120.07		
	Supply of Prefabricated GI/MS structure angle bracket of different sizes, as per the site requirement						
24.01 7	208348 Prefab. GI/MS Slotted angle(Supply)	998631		KG	120.07		
	Supply of Prefabricated GI/MS structure Slotted angle of different sizes, as per the site requirement.						
	Service Subtotal						62,918.09
	Services Total				62,918.09	18.00	74,243.35

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
25.000	Meter Services for Yr-3 - Capex						
25.001	207761 Meter Installation - SP	998631		EA	585.27		
	Installation of 1 phase energy meter with / without meter box/ existing meter box / Panel/ with freedom unit and communication cable lying.						
25.002	207762 Meter Removal - SP	998631		EA	293.38		
	Removal of any single phase meter with / without meter box/ existing meter box / from Panel/ with freedom unit and communication cable removal.						
25.003	207765 Meter Installation - PP	998631		EA	717.94		
	Installation of 3 phase whole current energy meter with / without meter box/ existing meter box / Panel/ with freedom unit and communication cable lying.						
25.004	207766 Meter Removal - PP	998631		EA	333.55		
	Removal of any Three phase whole current meter with / without meter box/ existing meter box / from Panel/ with freedom unit and communication cable removal.						
25.005	207767 Meter Installation - HT Meter Only	998631		EA	1,423.45		
	Installation of any HT energy meter along with modem and its termination in Metering cubicle / CTPT unit						
25.00	207768 Meter Removal - HT Meter Only	998631		EA	676.98		

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
6							
	Removal of any HT energy meter along with modem and its termination from Metering cubicle / CTPT unit						
25.007	207773 "LTCT Meter box Installation#(100/5 & 20	998631		EA	1,821.22		
	" Installation of new LTCT meters with complete grouting, commissioning, supply of 8 Nos lugs and its crimping, energisation, communication of Meter and its allied accessories and seal installation with LTCT Meter box"						
25.008	207774 LTCT Meter with box Removal - All Rating	998631		EA	555.61		
	" Removal of any LTCT meters from site with de-energisation, Meter, modem and its allied accessories with meter box. "						
25.009	207775 Meter Replacement - LTCT Meter Only	998631		EA	889.67		
	Replacement of LTCT meter/ LTCT Smart meter of any rating i.e. 100/5A or 200/5A or 400/5A without box						
25.010	207776 Smart Meter Installation SP	998631		EA	585.16		
	Installation of 1 phase smart meter with / without meter box/ existing meter box / Panel.						
25.011	207777 Smart Meter Installation PP	998631		EA	706.20		
	Installation of 3 phase whole current smart meter with / without meter box/ existing meter box / Panel.						
25.012	207778 Smart Meter Installation LTCT with box	998631		EA	1,802.52		

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
	" Installation of new LTCT Smart meters with complete grouting, commissioning, supply of 8 Nos lugs and its crimping, energisation, communication of Meter and its allied accessories and seal installation with LTCT Meter box"						
25.013	207784 Meter Accuracy test at site (SP/PP/LTCT	998631		EA	117.03		
	SP/Polyphase/LTCT Meter Testing						
25.014	207793 Replacement of Freedom Unit	998631		EA	82.65		
	Replacement of Freedom Unit (without prepaid meter)						
25.015	207812 LTCT Meter box Installation-400/5	998631		EA	2,150.03		
	" Installation of new LTCT meters with complete grouting, commissioning, supply of 8 Nos lugs and its crimping, energisation, communication of Meter and its allied accessories and seal installation with LTCT Meter box"						
	Service Subtotal						
	Services Total					18.00	
26.000	Services for BB Box Yr-3- Capex						
26.001	208205 Bus bar box Installation	998631		EA	387.08		
	Installation of any type of bus bar box on wall along with supply of fastners / on pole with steel strap and buckles.						
26.002	208206 Distribution box Installation	998631		EA	387.08		
	Installation of any type of distribution box						

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
	on wall along with supply of fastners / on pole with steel strap and buckles.						
26.003	208207 Bus bar box removal	998631		EA	255.40		
	Removal of any type of bus bar box from wall / from pole along with steel strap and buckles.						
26.004	208208 Distribution box removal	998631		EA	255.40		
	Removal of any type of distribution box from wall / from pole along with steel strap and buckles.						
	Service Subtotal						
	Services Total					18.00	
27.000	Cable Services for Yr-3 - Capex						
27.001	207796 Connection-Cable earthing at the pole	998631		EA	136.82		
	Connection of the service cable earthing at the pole & consumer end						
27.002	207797 Loop Connection (Any Rating)	998631		EA	147.49		
	Stringing of loop connection (length < 6 meter) any rating						
27.003	207798 Inst. Of 2*10/2*16 Cable O/H (7M-20M)	998631		EA	820.83		
	" Stringing, sagging of cable size 2x10 / 2 x 16 sq mm cable between 7m to 20m including installation of saddle, fastener for support and connection at pole (bare / ABC cable)/ feeder pillar with thimble/ HVDS network with thimble as per drawing."						
27.00	207799 Inst. Of 2*16 Cable O/H (>21M)	998631		EA	929.84		

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
4							
	" Stringing, sagging of cable size 2x10 / 2 x 16 sq mm cable > 20m including installation of saddle, fastener for support and connection at pole (bare / ABC cable)/ feeder pillar with thimble/ HVDS network with thimble as per drawing."						
27.00 5	207800 Inst. Of 2*25 Cable O/H (7M-20M)	998631		EA	873.74		
	" Stringing, sagging of cable size 2 x 25 sq mm cable between 7m to 20m including installation of saddle, fastener for support and connection at pole (bare / ABC cable)/ feeder pillar with thimble/ HVDS network with thimble as per drawing."						
27.00 6	207801 Inst. Of 2*25 Cable O/H (>21M)	998631		EA	929.85		
	" Stringing, sagging of cable size 2 x 25 sq mm cable >20m including installation of saddle, fastener for support and connection at pole (bare / ABC cable)/ feeder pillar with thimble/ HVDS network with thimble as per drawing."						
27.00 7	207802 Inst. Of 4*25 Cable O/H (7M-20M)	998631		EA	956.99		
	" Stringing, sagging of cable size 4 x 25 sq mm cable between 7m to 20m including installation of saddle, fastener for support and connection at pole (bare / ABC cable)/ feeder pillar with thimble/ HVDS network with thimble as per drawing."						
27.00 8	207803 Inst. Of 4*25 Cable O/H (>21M)	998631		EA	1,011.38		
	" Stringing, sagging of cable size 4 x 25 sq mm cable >20m including installation of saddle, fastener for support and connection at pole (bare / ABC cable)/ feeder pillar with thimble/ HVDS network with thimble as per drawing."						

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
	t pole (bare / ABC cable)/ feeder pillar with thimble/ HVDS network with thimble as per drawing."						
27.009	207804 Inst. Of 4*50 Cable O/H (7M-20M)	998631		EA	1,449.99		
	" Stringing, sagging of cable size 4 x 50 sq mm cable between 7m to 20m including installation of saddle, fastener for support and connection at pole (bare / ABC cable)/ feeder pillar with thimble/ HVDS network with thimble as per drawing."						
27.010	207805 Inst. Of 4*50 Cable O/H (>21M)	998631		EA	1,599.25		
	" Stringing, sagging of cable size 4 x 50 sq mm cable >20m including installation of saddle, fastener for support and connection at pole (bare / ABC cable)/ feeder pillar with thimble/ HVDS network with thimble as per drawing."						
27.011	207806 Inst. Of 4*95/4* 150 Cable O/H (7M-20M)	998631		EA	2,087.98		
	" Stringing, sagging of cable size 4*95/4* 150 sq mm cable between 7m to 20m including installation of saddle, fastener for support and connection at pole (bare / ABC cable)/ feeder pillar with thimble/ HVDS network with thimble as per drawing."						
27.012	207807 Inst. Of 4*95/4*150 Cable O/H (>21M)	998631		EA	2,261.98		
	" Stringing, sagging of cable size 4*95/4* 150 sq mm cable >20m including installation of saddle, fastener for support and connection at pole (bare / ABC cable)/ feeder pillar with thimble/ HVDS network with thimble as per drawing."						
	207879			M			

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
27.01 3	Inst. Of 4* 300 Cable O/H (per meter)	998631			296.56		
	Laying/stringing of Overhead LT 1.1 kV XLPE insulated PVC sheathed AL conductor GI wire Armoured Cable of size 4CX300 sqmm as per TPDDL specification and connection at pole (bare / ABC cable)/ feeder pillar with thimble/ HVDS network with thimble						
27.01 4	207808 Cable Removal of 2*10/2*16/2*25(> 6 M)	998631		EA	158.66		
	Removal of cable (2X10/ 2X16/ 2X25 sq mm) service cable along with connection removal from pole/ bus bar/ already disconnected at site						
27.01 5	207809 Cable Removal of 4*25 sqmm/ 4*50 sqmm (>	998631		EA	181.63		
	Removal of cable (4X25/ 4X50 sq mm) service cable along with connection removal from pole/ bus bar/ already disconnected at site						
27.01 6	207810 Cable Removal of 4*95/4*150(> 6 M)	998631		EA	255.40		
	Removal of cable (4X95/ 4X150 sq mm) service cable along with connection removal from pole/ bus bar/ already disconnected at site						
27.01 7	207880 Cable Removal of 4*300(per meter)	998631		M	84.28		
	Removal of cable (4X300 sq mm) service cable along with connection removal from pole/ bus bar/ already disconnected at site						
27.01 8	207811 LoopCableRemoval(Anyrating cable)-upto6	998631		EA	59.03		

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
	"Removal of loop cable, any ratings, service cable along with connection removal from pole/ bus bar/ already disconnected at site"						
27.019	207881 U/G cable laying pm(for >= to 4x95sqmm)	998631		M	518.01		
	"(a) Excavation of cable trench upto 975 mm depth & 450 mm width in Ordinary Soil / Brick work/ Foot-Path of Tile/Rajasthani Stone /Ordinary Cement/ Bitumenous road as per TPDDL drawing and specification for laying of 1.1kV one Cable. Scope of work excludes lay ing of HUME/PVC pipe/GI Pipe.##(b) Laying (underground) of 1.1kV Armoured XLPE AL Cable of size >=95 sq mm in existing trench with supply & laying of 9 bricks horizontally with sand & back filling, ramming and levelling of earth as per TPDDL specification and d rawing. Scope also include removal and disposal of loose malba above road/ground level as per instruction of EIC#"						
27.020	207882 U/G cable laying in GI pipe(< 4x95sqmm)	998631		M	69.45		
	Laying of underground cable of size (less than 4x95 sw mm) upto 4x50 sqmm as per the standard practice for underground LT cable laying - per meter length- (total end to end cable length is to be calculated . no separate charge for exposed (o/h) cable part) with inclusion of excavation as per standard specification and installation of GI Pipe. The prices are excluding supply of GI pipe						

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
	Service Subtotal						
	Services Total					18.00	
28.00 0	CTPT/Cubicle Services Yr-3 - Capex						
28.00 1	207769 CTPT Installation	998631		EA	8,822.96		
	"Installation of new HT 11 KV out door Metering CTPT unit, includes to & fro transportation, commissioning and energisation in all respect (i.e. connection in meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30# height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door)."						
28.00 2	207770 CTPT Removal	998631		EA	3,651.85		
	" Dismantling of complete HT metering out door CTPT unit, includes to & fro transportation, removing and de-energisation in all respect (i.e. connection from meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30# height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination removal, socket/ thimble crimp, stand pipe flanges removal, meter terminal cover, window and chamber door removal from site)."						
28.00 3	207771 "Metering Cubicle Installation #(For Rep	998631		EA	11,927.74		

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
	" Installation of new HT 11 KV indoor Metering cubicle (with removal of defective metering cubicle and activity also include depo site back to MMG), include to & fro transportation, commissioning and energisation in all respect (i.e. grouting, masonry work, two earth connections, HT cable ends termination, socket/ thimble crimp, tape, plug cable entry hole, sealing cable end boxes, meter terminal cover, window and chamber door)."						
28.004	207772 Metering Cubicle Removal	998631		EA	4,194.65		
	" Removal HT 11 KV indoor Metering cubicle, include to & fro transportation, removal and de-energisation in all respect (i.e. grouting, masonry work, two earth connections, HT cable ends opening, removal of meter terminal cover, window and chamber door from site)."						
	Service Subtotal						
	Services Total					18.00	
29.000	Communication Services Yr-3 - Capex						
29.001	207780 NIC Troubleshooting with TAB/ Laptop	998631		EA	272.43		
	(in case - Laptop/Tab in BA#s scope)						
29.002	207781 NIC Troubleshooting without TAB/ Laptop	998631		EA	255.40		
	(in case - Laptop/Tab in TPDDL#s Scope)						
	207782			EA			

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
29.003	Return Cases - NIC OR Modem TS	998631			131.19		
	Return Case NIC or Modem Troubleshooting						
29.004	207783 Modem Trouble Shooting activity	998631		EA	238.39		
	Modem Trouble Shooting activity						
29.005	207785 Data downloading of meters	998631		EA	117.02		
	Data downloading of any meter per case						
	Service Subtotal						
	Services Total					18.00	
30.000	Other Services Yr-3 - Capex						
30.001	207779 Cancellation cases during replacement	998631		EA	157.11		
	Cancellation of meter installation cases with remarks i.e. Meter found ok at site. Un-successful MRO Visit						
30.002	207786 Replacement HT meter chamber/cntrl cable	998631		EA	694.91		
	" Replacement of HT Metering chamber of HT 11 KV out door Metering CTPT unit/ replacement of control cable pipe , energy meter and allied accessories include to & fro transportation, commissioning and energisation in all respect (i.e. reconnection in meter box from CTPT terminal block through control cable, stand pipe flange replacement, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block,						

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
	stand pipe flanges, meter terminal cover, window and chamber door)."						
30.003	207787 Dismantling of consumer Iron panel	998631		EA	888.23		
	Dismantling of consumer Iron panel (in societies / common metering place etc) for clearing the site for meter installation with meter box						
30.004	207789 Reworking-CT Meter ter./Dressing - Pole	998631		EA	310.12		
	" Minor reworking includes termination (thimble / socket crimping, gland change, cable lead extension crimping and tightening) and cable dressing during pole cleaning."						
30.005	207790 SITC of Jublee Clip	998631		EA	19.71		
	" Jubli clip of suitable size, for earthing cable at meter end. "						
30.006	207791 "SITC of ""O"" Shape Quick Link "	998631		EA	32.85		
	O Shape Quick Link with Fasteners and Saddle.						
30.007	207792 Installation of wall corner clamp	998631		EA	44.22		
	Installation of Wall Corner Clamp. The clamp shall be issued by TPDDL. Consumables i.e. fastener etc. shall be in the scope of BA						
30.008	207794 Stand pipe for maintaining the Sagging	998631		EA	694.91		
	Installation of Stand pipe for maintaining the Sagging (GI Pipe shall be in the scope of TPDDL)						

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
30.009	207795 Removed meter seizure in gunny bag	998631		EA	133.69		
	Removed meter seizure in gunny bag						
30.010	208209 GI/MS Angle Bracket	998631		EA	54.40		
	Installation of GI/MS Angle Bracket for Anchoring service cable of different sizes on poles/walls.(Number of each individual items used at one site shall be considered as number of Quantity for this particular service for billing).						
30.011	208210 Service cable anchor	998631		EA	54.40		
	Installation of Service Cable Anchor on poles/walls.(Number of each individual items used at one site shall be considered as number of Quantity for this particular service for billing)						
30.012	208331 Suspension clamp	998631		EA	54.40		
	Installation of Suspension clamp on poles/walls.(Number of each individual items used at one site shall be considered as number of Quantity for this particular service for billing)						
30.013	208332 GI/MS Slotted angle	998631		EA	54.40		
	Installation of GI/MS Slotted angle on poles/walls.(Number of each individual items used at one site shall be considered as number of Quantity for this particular service for billing)						
30.01	208203 Prefab. GI/MS ANGLE BRACKET	998631		KG	124.87		

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
4	(Supply)						
	Supply of Prefabricated GI/MS structure angle bracket of different sizes, as per the site requirement.						
30.015	208204 Prefab. GI/MS Slotted angle(Supply)	998631		KG	124.87		
	"Supply of Prefabricated GI/MS structure Slotted angle of different sizes, as per the site requirement"" "						
	Service Subtotal						
	Services Total					18.00	
31.000	Meter Services for Yr-3 - Opex						
31.001	207821 Meter Installation - SP	998631		EA	585.27		
	Installation of 1 phase energy meter with / without meter box/ existing meter box / Panel/ with freedom unit and communication cable lying.						
31.002	207822 Meter Removal - SP	998631		EA	293.38		
	Removal of any single phase meter with / without meter box/ existing meter box / from Panel/ with freedom unit and communication cable removal.						
31.003	207825 Meter Installation - PP	998631		EA	717.94		
	Installation of 3 phase whole current energy meter with / without meter box/ existing meter box / Panel/ with freedom unit and communication cable lying.						
31.00	207826 Meter Removal - PP	998631		EA	333.55		

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
4							
	Removal of any Three phase whole current meter with / without meter box/ existing meter box / from Panel/ with freedom unit and communication cable removal.						
31.00 5	207827 Meter Installation - HT Meter Only	998631		EA	1,423.45		
	Installation of any HT energy meter along with modem and its termination in Metering cubicle / CTPT unit						
31.00 6	207828 Meter Removal - HT Meter Only	998631		EA	676.98		
	Removal of any HT energy meter along with modem and its termination from Metering cubicle / CTPT unit						
31.00 7	207833 "LTCT Meter box Installation#(100/5 & 20	998631		EA	1,821.22		
	" Installation of new LTCT meters with complete grouting, commissioning, supply of 8 Nos lugs and its crimping, energisation, communication of Meter and its allied accessories and seal installation with LTCT Meter box"						
31.00 8	207834 LTCT Meter with box Removal - All Rating	998631		EA	555.61		
	" Removal of any LTCT meters from site with de-energisation, Meter, modem and its allied accessories with meter box. "						
31.00 9	207835 Meter Replacement - LTCT Meter Only	998631		EA	889.67		
	Replacement of LTCT meter/ LTCT Smart meter of any rating i.e. 100/5A or 200/5A or 400/5A without box						
	207836			EA			

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
31.010	Smart Meter Installation SP	998631			585.16		
	Installation of 1 phase smart meter with / without meter box/ existing meter box / Panel.						
31.011	207837 Smart Meter Installation PP	998631		EA	706.20		
	Installation of 3 phase whole current smart meter with / without meter box/ existing meter box / Panel.						
31.012	207838 Smart Meter Installation LTCT with box	998631		EA	1,802.52		
	" Installation of new LTCT Smart meters with complete grouting, commissioning, supply of 8 Nos lugs and its crimping, energisation, communication of Meter and its allied accessories and seal installation with LTCT Meter box"						
31.013	207844 Meter Accuracy test at site (SP/ PP/LTCT	998631		EA	117.03		
	SP/Polyphase/LTCT Meter Testing						
31.014	207853 Replacement of Freedom Unit	998631		EA	82.65		
	Replacement of Freedom Unit (without prepaid meter)						
31.015	207876 LTCT Meter box Installation-400/5	998631		EA	2,150.03		
	" Installation of new LTCT meters with complete grouting, commissioning, supply of 8 Nos lugs and its crimping, energisation, communication of Meter and its allied accessories and seal installation with LTCT Meter box"						
	Service Subtotal						

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
	Services Total					18.00	
32.000	Services for BB Box Yr-3- Opex						
32.001	208199 Bus bar box Installation	998631		EA	387.08		
	Installation of any type of bus bar box on wall along with supply of fastners / on pole with steel strap and buckles.						
32.002	208200 Distribution box Installation	998631		EA	387.08		
	Installation of any type of distribution box on wall along with supply of fastners / on pole with steel strap and buckles.						
32.003	208341 Bus bar box removal	998631		EA	255.40		
	Removal of any type of bus bar box from wall / from pole along with steel strap and buckles.						
32.004	208342 Distribution box removal	998631		EA	255.40		
	Removal of any type of distribution box from wall / from pole along with steel strap and buckles.						
	Service Subtotal						
	Services Total					18.00	
33.000	Cable Services for Yr-3 - Opex						
33.001	207856 Connection-Cable earthing at the pole	998631		EA	136.82		
	Connection of the service cable earthing at the pole & consumer end						
33.00	207857 Loop Connection (Any Rating)	998631		EA	147.49		

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
2							
	Stringing of loop connection (length < 6 meter) any rating						
33.00 3	207858 Inst. Of 2*10/2*16 Cable O/H (7M-20M)	998631		EA	820.83		
	" Stringing, sagging of cable size 2x10 / 2 x 16 sq mm cable between 7m to 20m including installation of saddle, fastener for support and connection at pole (bare / ABC cable)/ feeder pillar with thimble/ HVDS network with thimble as per drawing."						
33.00 4	207859 Inst. Of 2*16 Cable O/H (>21M)	998631		EA	929.84		
	" Stringing, sagging of cable size 2x10 / 2 x 16 sq mm cable > 20m including installation of saddle, fastener for support and connection at pole (bare / ABC cable)/ feeder pillar with thimble/ HVDS network with thimble as per drawing."						
33.00 5	207860 Inst. Of 2*25 Cable O/H (7M-20M)	998631		EA	873.74		
	" Stringing, sagging of cable size 2 x 25 sq mm cable between 7m to 20m including installation of saddle, fastener for support and connection at pole (bare / ABC cable)/ feeder pillar with thimble/ HVDS network with thimble as per drawing."						
33.00 6	207861 Inst. Of 2*25 Cable O/H (>21M)	998631		EA	929.85		
	" Stringing, sagging of cable size 2 x 25 sq mm cable >20m including installation of saddle, fastener for support and connection at pole (bare / ABC cable)/ feeder pillar with thimble/ HVDS network with thimble as per drawing."						
	207862			EA			

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
33.007	Inst. Of 4*25 Cable O/H (7M-20M)	998631			956.99		
	" Stringing, sagging of cable size 4 x 25 sq mm cable between 7m to 20m including installation of saddle, fastener for support and connection at pole (bare / ABC cable)/ feeder pillar with thimble/ HVDS network with thimble as per drawing."						
33.008	207863 Inst. Of 4*25 Cable O/H (>21M)	998631		EA	1,011.38		
	" Stringing, sagging of cable size 4 x 25 sq mm cable >20m including installation of saddle, fastener for support and connection at pole (bare / ABC cable)/ feeder pillar with thimble/ HVDS network with thimble as per drawing."						
33.009	207864 Inst. Of 4*50 Cable O/H (7M-20M)	998631		EA	1,449.99		
	" Stringing, sagging of cable size 4 x 50 sq mm cable between 7m to 20m including installation of saddle, fastener for support and connection at pole (bare / ABC cable)/ feeder pillar with thimble/ HVDS network with thimble as per drawing."						
33.010	207865 Inst. Of 4*50 Cable O/H (>21M)	998631		EA	1,599.25		
	" Stringing, sagging of cable size 4 x 50 sq mm cable >20m including installation of saddle, fastener for support and connection at pole (bare / ABC cable)/ feeder pillar with thimble/ HVDS network with thimble as per drawing."						
33.011	207866 Inst. Of 4*95/4* 150 Cable O/H (7M-20M)	998631		EA	2,087.98		
	" Stringing, sagging of cable size 4*95/4* 150 Cable O/H (7M-20M) including installation of saddle, fastener for support and connection at pole (bare / ABC cable)/ feeder pillar with thimble/ HVDS network with thimble as per drawing."						

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
	4* 150 sq mm cable between 7m to 20m including installation of saddle, fastener for support and connection at pole (bare / ABC cable)/ feeder pillar with thimble/ HVDS network with thimble as per drawing."						
33.01 2	207867 Inst. Of 4*95/4*150 Cable O/H (>21M)	998631		EA	2,261.98		
	" Stringing, sagging of cable size 4*95/4* 150 sq mm cable >20m including installation of saddle, fastener for support and connection at pole (bare / ABC cable)/ feeder pillar with thimble/ HVDS network with thimble as per drawing."						
33.01 3	207868 Inst. Of 4* 300 Cable O/H (per meter)	998631		M	296.56		
	Laying/stringing of Overhead LT 1.1 kV XLPE insulated PVC sheathed AL conductor GI wire Armoured Cable of size 4CX300 sqmm as per TPDDL specification and connection at pole (bare / ABC cable)/ feeder pillar with thimble/ HVDS network with thimble						
33.01 4	207869 Cable Removal of 2*10/2*16/2*25(> 6 M)	998631		EA	158.66		
	Removal of cable (2X10/ 2X16/ 2X25 sq mm) service cable along with connection removal from pole/ bus bar/ already disconnected at site						
33.01 5	207870 Cable Removal of 4*25 sqmm/ 4*50 sqmm (>	998631		EA	181.63		
	Removal of cable (4X25/ 4X50 sq mm) service cable along with connection removal from pole/ bus bar/ already disconnected at site						
33.01	207871 Cable Removal of 4*95/4*150(> 6 M)	998631		EA	255.40		

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
6							
	Removal of cable (4X95/ 4X150 sq mm) service cable along with connection removal from pole/ bus bar/ already disconnected at site						
33.017	207872 Cable Removal of 4*300(per meter)	998631		M	84.28		
	Removal of cable (4X300 sq mm) service cable along with connection removal from pole/ bus bar/ already disconnected at site						
33.018	207873 LoopCableRemoval(Anyrating cable)-upto6	998631		EA	59.03		
	"Removal of loop cable, any ratings, service cable along with connection removal from pole/ bus bar/ already disconnected at site"						
33.019	207874 U/G cable laying pm(for >= to 4x95sqmm)	998631		M	518.01		
	"(a) Excavation of cable trench upto 975 mm depth & 450 mm width in Ordinary Soil / Brick work/ Foot-Path of Tile/Rajasthani Stone /Ordinary Cement/ Bitumenous road as per TPDDL drawing and specification for laying of 1.1kV one Cable. Scope of work excludes lay ing of HUME/PVC pipe/GI Pipe.##(b) Laying (underground) of 1.1kV Armoured XLPE AL Cable of size >=95 sq mm in existing trench with supply & laying of 9 bricks horizontaly with sand & back filling, ramming and levelling of earth as per TPDDL specification and d rawing. Scope also include removal and disposal of loose malba above road/ground level as per instruction of EIC#"						
	207875			M			

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
33.020	U/G cable laying in GI pipe(< 4x95sqmm)	998631			69.45		
	Laying of underground cable of size (less than 4x95 sw mm) upto 4x50 sqmm as per the standard practice for underground LT cable laying - per meter length- (total end to end cable length is to be calculated . no separate charge for exposed (o/h) cable part) with inclusion of excavation as per standard specification and installation of GI Pipe. The prices are excluding supply of GI pipe						
	Service Subtotal						
	Services Total					18.00	
34.000	CTPT/Cubicle Services Yr-3 - Opex						
34.001	207829 CTPT Installation	998631		EA	8,822.96		
	"Installation of new HT 11 KV out door Metering CTPT unit, includes to & fro transportation, commissioning and energisation in all respect (i.e. connection in meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30# height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door)."						
34.002	207830 CTPT Removal	998631		EA	3,651.85		
	" Dismantling of complete HT metering out door CTPT unit, includes to & fro						

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
	transportation, removing and de-energisation in all respect (i.e. connection from meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30# height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination removal, socket/thimble crimp, stand pipe flanges removal, meter terminal cover, window and chamber door removal from site)."						
34.003	207831 "Metering Cubicle Installation #(For Rep	998631		EA	11,927.74		
	" Installation of new HT 11 KV indoor Metering cubicle (with removal of defective metering cubicle and activity also include depo site back to MMG), include to & fro transportation, commissioning and energisation in all respect (i.e. grouting, masonry work, two earth connections, HT cable ends termination, socket/ thimble crimp, tape, plug cable entry hole, sealing cable end boxes, meter terminal cover, window and chamber door)."						
34.004	207832 Metering Cubicle Removal	998631		EA	4,194.65		
	" Removal HT 11 KV indoor Metering cubicle, include to & fro transportation, removal and de-energisation in all respect (i.e. grouting, masonry work, two earth connections, HT cable ends opening, removal of meter terminal cover, window and chamber door from site)."						
	Service Subtotal						
	Services Total					18.00	

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
35.000	Communication Services Yr-3 - Opex						
35.001	207840 NIC Troubleshooting with TAB/ Laptop (in case - Laptop/Tab in BA#s scope)	998631		EA	272.43		
35.002	207841 NIC Troubleshooting without TAB/ Laptop (in case - Laptop/Tab in TPDDL#s Scope)	998631		EA	255.40		
35.003	207842 Return Cases - NIC OR Modem TS Return Case NIC or Modem Troubleshooting	998631		EA	131.19		
35.004	207843 Modem Trouble Shooting activity Modem Trouble Shooting activity	998631		EA	238.39		
35.005	207845 Data downloading of meters Data downloading of any meter per case	998631		EA	117.02		
	Service Subtotal						
	Services Total					18.00	
36.000	Other Services Yr-3 - Opex						
36.001	207839 Cancellation cases during replacement Cancellation of meter installation cases with remarks i.e. Meter found ok at site. Un-successful MRO Visit	998631		EA	157.11		
36.00	207846 Replacement HT meter chamber/cntrl	998631		EA	694.91		

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
2	cable						
	" Replacement of HT Metering chamber of HT 11 KV out door Metering CTPT unit/ replacement of control cable pipe , energy meter and allied accessories include to & fro transportation, commissioning and energisation in all respect (i.e. reconnection in meter box from CTPT terminal block through control cable, stand pipe flange replacement, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door)."						
36.00 3	207847 Dismantling of consumer Iron panel	998631		EA	888.23		
	Dismantling of consumer Iron panel (in societies / common metering place etc) for clearing the site for meter installation with meter box						
36.00 4	207849 Reworking-CT Meter ter./Dressing - Pole	998631		EA	310.12		
	" Minor reworking includes termination (thimble / socket crimping, gland change, cable lead extension crimping and tightening) and cable dressing during pole cleaning."						
36.00 5	207850 SITC of Jublee Clip	998631		EA	19.71		
	" Jubli clip of suitable size, for earthing cable at meter end. "						
36.00 6	207851 "SITC of ""O"" Shape Quick Link "	998631		EA	32.85		

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
	O Shape Quick Link with Fasteners and Saddle.						
36.007	207852 Installation of wall corner clamp	998631		EA	44.22		
	Installation of Wall Corner Clamp. The clamp shall be issued by TPDDL. Consumables i.e. fastener etc. shall be in the scope of BA						
36.008	207854 Stand pipe for maintaining the Sagging	998631		EA	694.91		
	Installation of Stand pipe for maintaining the Sagging (GI Pipe shall be in the scope of TPDDL)						
36.009	207855 Removed meter seizure in gunny bag	998631		EA	133.69		
	Removed meter seizure in gunny bag						
36.010	208343 GI/MS Angle Bracket	998631		EA	54.40		
	Installation of GI/MS Angle Bracket for Anchoring service cable of different sizes on poles/walls.(Number of each individual items used at one site shall be considered as number of Quantity for this particular service for billing).						
36.011	208344 Service cable anchor	998631		EA	54.40		
	Installation of Service Cable Anchor on poles/walls.(Number of each individual items used at one site shall be considered as number of Quantity for this particular service for billing)						
36.012	208345 Suspension clamp	998631		EA	54.40		
	Installation of Suspension clamp on poles/walls.(Number of each						

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Amount
	individual items used at one site shall be considered as number of Quantity for this particular service for billing)						
36.013	208346 GI/MS Slotted angle	998631		EA	54.40		
	Installation of GI/MS Slotted angle on poles/walls.(Number of each individual items used at one site shall be considered as number of Quantity for this particular service for billing)						
36.014	208347 Prefab. GI/MS ANGLE BRACKET (Supply)	998631		KG	124.87		
	Supply of Prefabricated GI/MS structure angle bracket of different sizes, as per the site requirement						
36.015	208348 Prefab. GI/MS Slotted angle(Supply)	998631		KG	124.87		
	Supply of Prefabricated GI/MS structure Slotted angle of different sizes, as per the site requirement.						
	Service Subtotal						
	Services Total					18.00	

Annexure II

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Amendment-3 :

1. RC Value has been enhanced by Rs 2.46 crore from existing value of Rs 10 crore to Rs 12.46 crore.
2. RC validity has been extended by one year i.e. up to 31-12-2022.
3. Revised rates of year 03 shall be effective from 01-01-2022.
4. All other terms and conditions shall remain same as earlier.

Amendment-2:

1. Value has been enhanced by 2.5 crore from existing value of Rs 7.5 crore to Rs 10 crore.
2. All other terms and conditions shall remain same as earlier.

Amendment- 1

- 1) RC amended for value enhancement and validity extension.
- 2) Price amended which are applicable for Year-2 i.e. from 1Jan 2021 to 31 Dec2021.
- 3) Rest all T(>&<)C applicable, shall be same as per original.

=====
Original RC T(>&<)C -

- 1) Service unit price are firm for Year 1.
- 2) Applicable GST 18%.
- 3) PBG applicable shall be 5% of RC Value and same shall be released after completion of RC period plus one month.
- 4) Payment Terms - 90% payment shall be released on submission of invoice. 10% payment shall be released after vetting Safety and Quality parameters by HoG/HoD. This 10% payment shall also be released within 60 days after submission of bill along with certification from respective HoG/HoD. Any non-compliance shall be deducted at a rate of Rs. 2000 per occurrence.
- 5) Work shall be executed as per Scope and SLA detailed below.

=====
Detailed Scope and SLA applicable -

Meter Installation Services

1. New connections, installation of meter with or without service line, along with communication checking with central server / AMR of 3 PH

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- Whole Current, LT CT, HT CT Trivector meter & Single Phase Meter (wherever required) & pole cleaning.
2. Replacement and testing of old/ not reprogrammed/defective meters with or without installation of service line and removal of old laid service line & Pole cleaning.
 3. Replacement/Installation of service lines (all sizes).
 4. Bus bar/Distribution box Installation and Replacement with removal of old bus bar/Distribution box.
 5. Removal of Service Line with / without meter.
 6. Reconnection with/without service lines and meters.
 7. Testing of meters after installation in all type of category (New Connection / Replacement).
 8. Rectification of site as per instruction of Site-in-Charge or TPDDL representative.
 9. Meter Data downloading as per instruction of Site-in-Charge or TPDDL representative.
 10. BA shall provide suitable resources having good analytical skills for the daily execution report, Pending case with each team, analysis of return cases, Meter defective / Burnt cases and other required MIS on daily basis.
 11. BA will provide monthly MIS of executed work & the improvement plan of the deficiency in activity and discuss the same with Engineer Incharge.
 12. BA will also reconcile/submit monthly detail of Material received, consumed & balance material along with invoice.
 13. BA will provide monthly MIS of training done of their employees.
 14. BA shall also submit/discuss, monthly plan to ensure safety & quality of Installation. Minimum 10% site audits for the executed cases to be conducted by safety supervisor and quality supervisor. Accordingly BA shall submit the monthly report, failing which penalty @ Rs 100/- per case (on shortfall cases as above), shall be levied.
 15. Capturing clear photographs of all meter installation cases and unsuccessful meter removal cases. The photographs shall be submitted in MMG in form of CD/ digital media/ Pen drive, bi-weekly on sorted K.NO/CA-wise. Generally 5-6 photos have to be brought for as:
 - a) Meter,
 - b) Connection point at pole end,
 - c) SAG provided,
 - d)

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Service Line at consumer end & e) Pole No f) Photograph of old removed meter reading.

The photos shall be sorted based on notification number & meter number wise and same shall be submitted to respective Engineer Incharge on weekly basis, failing which penalty @ Rs 50/- per case shall be levied. In case of Wrong picture/ wrong details, wrong return remarks for return case, will be submitted by BA, then in that case penalty @ 4 times as in this clause shall be levied.

16. Shifting of meter with or without service cable.

17. The underground connection shall be done through proper digging with proper depth and proper usage of sand and brick, as per TPDDL specifications shared with the tender.

18. Service order can be shared through HHD/ Soft copy and no hard copy shall be sent.

19. BA shall ensure the testing of all installed / replaced Meters with calibrated accucheck / reference meter.

20. Installation of wall corner clamp. The clamp shall be issued by TPDDL. Consumables i.e. fastener shall be in scope of BA.

21. Replacement of freedom unit (without pre-paid meter).

22. Removal of 1-phase/3-phase service cable (all sizes).

23. Installation of new LTCT meter (with LTCT box). Complete installation including grouting, commissioning, energization, communication of meter & seal installation.

24. Replacement of any meter by new 400/5 LTCT meters with LTCT box complete installation including commissioning, energization, and communication of meter & seal installation.

25. Removal of meter with allied accessories (all sizes).

26. Removal of SP/PP/LTCT meter with box & service line.

27. Replacement of LTCT meter of any rating i.e. 100/5A or 200/5A or 400/5A without box

28. Laying/stringing of Overhead LT 1.1 kv XLPE insulated PVC sheathed AL conductor GI wire armored cable of (all sizes) as per TPDDL specification.

29. Laying & Digging of 4*300 sq.mm/ 4x150 sqmm/ 4x95 sqmm, 4x50 sqmm, 4x25 sqmm, 2x25 sqmm, 2x16 sqmm, 2x10 sqmm XLPE armoured cable:

(a) Excavation of cable trench upto 975 mm depth & 450 mm width in

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ordinary soil/Brick work/Foot-path of Tile/Rajasthani stone/Ordinary Cement/Bitumenous road as per TPDDL drawing & specification for laying of 1.1kv one cable. Scope of work excludes laying of HUME/PVC pipe/GI pipe.

(b) Laying (underground) of 1.1 kv Armored XLPE AL cable of size 4C*300 sq. mm in existing trench with supply & laying of 9 bricks horizontally with sand & back filling, ramming & leveling of earth as per TPDDL specification & drawing. Scope also includes removal & disposal of loose malba above road/ground level as per instruction of EIC.

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Service Level Agreement

1.The agency shall provide only manpower with One team composition as below:

One Team for Meter installation work consist of following:

- a) SP Team: Lineman + Line man+ Supervisor .
- b) Three phase team: Lineman + Line man+ Supervisor+ Meter Installer/Helper
- c) HT Team: Lineman + Line man+ Supervisor + Meter installer + Meter installer

In-addition to above, Vehicle + driver, shall accompany with BA Team + TPDDL Engineer.

Supervisor: ITI with min. 5 years experience/ Diploma in Electrical Engg. He shall be responsible for execution of work with proper safety and quality.

Lineman: Should be capable of reading/ writing (Hindi/English) having ITI/ 2 years relevant experience preferably certified from wireman/skill council of India.

2. These teams will move to sites in specially designed commercial vehicle with Driver with commercial licence provided by the BA with specifications as below. The details of vehicle as below:

Vehicle Requirements - Vehicle type #Tata ACE.

a) The vehicle shall be customized to maintain the uniformity across the distribution area (for ensuring branding of Tata Power-DDL). The proposed vehicle would be designed in a manner that there are following 3 Sections available :-

b) For Driver and Helper

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c) Seating arrangement of Field Staff (3 nos.)

d) Space for stacking ladder, meters and its allied accessories properly and safely.

BA to ensure all Statutory Requirements for operating these vehicles during all working hours in TPDDL.

All single phase metering vans : The vehicles shall be customized to meet MMG requirement of providing comfortable and Safe Sitting Space for Driver and the MMG Team and leaving sufficient space for keeping material properly and safely. BA shall ensure that sufficient safe space for keeping about 800 Kg of Metering and its allied accessories/ materials.

Poly-Phase MMG Vehicles: Shall also be specially designed in a manner that as above having seating space for 5 personals and sufficient safe space for keeping about 1200 Kg of Metering and its allied accessories/ materials

Above requirement is a mandate requirement to meet the comfort to BA team members to ensure safe and comfortable sitting arrangement to ensure behavioural safety.

(BAs, in totality, shall deploy manpower as per TPDDL Requirement with minimum of 165 Teams for Single Phase, 35 Teams for 3 Ph Whole current, LT CT & 2 Teams for HT CT.

Additional manpower / teams along with vehicle shall be deployed by BA within 15 days of receipt of request from TPDDL with specific target for any additional task(s). These additional teams shall be deployed for at least 3 month by respective engineer in-charge and shall ensure that the targets should met as specified in the requirement.

If in any case, BA fails to provide the specially designed vehicles with statutory approvals, TPDDL has the option / authority to arrange for the vehicle and the monthly expenses of the vehicles shall be deducted from the monthly invoice raised by BA.

3. The agency shall deploy specially designed commercial vehicle (tower wagon) & Hot line working safety suit (as per approved by safety group) as per requirement specified in this order for carrying out above work wherever required. In case BA has opted for 3 Ph WC/ LT CT / HT CT, then he has to select Single Phase related work also or select Single Phase work only approved by Manager in charge.

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4. The agency shall get the job advices and other free issue materials in the evening of previous working day. The vehicle shall be loaded then in the evening and parked at TPDDL location.

5. Such loaded vehicles shall depart on or before 09:00 hrs on every morning only under direct supervision of Site In-charge.

6. The Agency shall arrange transportation of meter installation team (Including TPDDL's representative), material, tools & tackles to the site; Unloading of the material at site; Energization of Meter after completion of job; Moving on to another site for completion of next job and then at the end of the day's work, return to TPDDL MMG stores, Keshavpuram, Rohini Sector 11, Bawana, Dheerpur location or any other suggested TPDDL location on the same evening for submission of protocols and return of any meters removed from site / uninstalled during the day (for reasons to be clearly mentioned on the protocols and reasons authenticated by Site In-charge of the crew)

BAs# areas/ district/ location, as the case may be, can be restricted to specific location/ area as per the business requirement to operate.

Localisation of BAs# District-wise, Jobwise (Normal business/ smart meter) or Hierarchy-wise (BAs working under HOD-N /HOD-NW) can be done as per the decision of engineer incharge and will be informed to BAs in advance to plan their movement accordingly.

7. The agency shall carry out the work of completing as per the target given by the Site-in-Charge of the crew.

8. The agency will be responsible for loss or damage of meters and other associated material if any for which TPDDL can resort to recoveries.

9. Servicing / maintenance of /Refurbishment of Tools / tackles etc. has to be carried out on Sundays. No work holidays except Gazetted holidays shall be granted. However, TPDDL reserves the right to ask the agency to deploy teams on Sundays / holidays/ 7 days a week, if required.

10. BA shall ensure Pool of minimum man power to be maintained according to the monthly targets given by respective EIC in BA coordination meetings. Suitable Penal provision shall be imposed on absenteeism.

Suitable compensation on account of training & Force majeure days to be incorporated. This will address the vendor's present undue grievance.

11. The Agency shall ensure daily submission of protocol sheets for all the jobs completed during the day at MMG, Keshavpuram, Rohini, Dheerpur,

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Bawana or other suggested TPDDL location on the evening of the same day. Agency should maintain proper records of duplicate copies of protocols in hard and soft in easily retrievable formats at his location. Agency shall submit the same on any such requirement of protocols / data as per requirement from TPDDL. TPDDL reserves the right to amend the schedule for submission of protocols. All such data maintained cannot be shared with third party without prior information to Engineer Incharge.

12. Manpower Structure can be amended as per organisational requirement.

13. Further, Agency must depute at least one Quality Manager for every 10 Teams to ensure overall quality as per specification and co-ordinate the overall process with the site engineers for smooth operations. He shall be responsible for reconciliation of material and generating all reports & formats including exception reports. Monthly reconciliation to be completed by BA by 15th of every month for last month. In case of delay, penalty of Rs. 1000/day shall be applicable.

14. Safety engineer on every 15 Vans or Part thereof. Qualification of safety engineer present in Contract Safety Management (CSM) shall be the guidelines / followed.

15. In case of leave of any employee/ team engaged by BA, then BA shall make alternative arrangements at their own cost so as to keep members in each team unaltered. BA is not allowed to disturb the composition of any other team. The BA shall ensure that each specially designed vehicle, suitable for above mentioned services shall be equipped with Meters, meter boxes, cables, bus bar boxes and pre-printed Protocol sheets & any other accessories provided by TPDDL (To be provided by TPDDL).

Any team member on leave shall be so arranged that the shuffling of team will be within the houses formed amongst MMG, so that the composition shall be maintained to ensure safety and quality at site. Without prior approval from concerned T/lead OR respective EIC, no change in composition will be made. Any non-compliance if so reported, a penalty of Rs. 2000/- per occurrence shall be levied.

16. Agency shall fill Control sheets (Daily Meter Installation Report Annexure vi) to capture site visit details and submit the same to MMG in the same evening.

17. The BA will be setting up their offices in TPDDL's operating area

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with adequate space for normal daily work and storage of data & material. TPDDL has the right to inspect, either on its own, or by hiring the services of a third party, the manpower and the agency's storage location in order to be satisfied of their good order and condition, and agency will replace the resources not found acceptable to TPDDL at Agency own cost, within mutually agreed time frame. Nothing contained herein shall, in any manner, discharge the Agency from the Obligation to provide for suitable vehicles, manpower & material.

18. All new connection cases shall be completed in 1 day of time from the date of issue of case.

19. The BA will provide the calibrated accucheck / reference meter as per TPDDL requirement.

20. BA shall provide specially designed one number tower wagon to work on unsafe poles wherever reported, as per site conditions.

21. Monthly targets will be intimated to the BAs two weeks on advance as per requirement and BA s capability. Targets will be signed mutually by both BA's and MMG. In case BA's fail to achieve the agreed targets then penalized in accordance to the missed target.

If 1% of the target is not met then 1% of the monthly bills is penalized and so on. The maximum penalty on missing the productivity target shall be 15%.

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Payment Terms:

90% payment shall be released on submission of invoice, 10% payment shall be kept/hold for Safety (5%) and Quality(5%) parameter. This 10% payment shall be released within 60 days after submission of bill confirmation with Concern HoG's along with the invoices. Any non-compliance shall be deducted at a rate of Rs. 2000 per occurrence with certification from HoD incharge/Head-CMM.

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Tools & Tackles:

The agency shall provide the tools and tackles as per specifications / PPE matrix etc as shared by TPDDL with each team as below :

Smart Tools Details :

-,,Rechargeable Battery operated drill machine # 1 each for SP and PP

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Team.

-,,Rechargeable Battery operated pre-defined torque Screw Driver/ LN key
- # 1 each for SP and PP Team.

-,,Rechargeable Battery operated pre-defined torque wrench set # 1 for
PP Team

Regular Tools:

- Crimping tool, nuts, fasteners, nails, thimbles, hammer, Ferrule (For
identification of connection), wall plugs, phase tester, lineman's
Insulated pliers, wire stripping pliers, saddles, Screw Driver, Tool
box, Double test lamp, pre-define Insulated torque Spanner Set,
Measuring Tape, Pre-paid Meter Crimping machine, Phase Separator, Safety
Pouch, safety cones with Caution tapes Or any other material as per site
in charge requirement

- Torch / Emergency light

- Smart Phone for filling the service orders in TPDDL#s Field force
Automation Application & ensure.

- Stationery (Writing pad, Paper pins, Paper clips, Stapler with pins,
Carbon paper, highlighter, Cello tape)

- First Aid Box, rope, Copper/ Brass chains & shorting leads(>,<)>

- As per PPE Matrix shared by TPDDL:

-Double rope Full body safety Harness with latch system & thigh
protection (EN 361:2002/ EN 358 : 2000/IS: 3521:1991/2002)

- Safety helmet (IS:2925-1984) with visor (EN: 166 CE marked)

- Safety shoes (IS:15298), insulated gloves(EN: 60903 CE marked)<(>,<)>

- Rubber mat (for shock resistant upto 11KV)<(>,<)>

- Or any other equipment as per Engineer Incharge requirement.

- Fire extinguisher, tray etc as per specification specified by TPDDL

- Ladder (foldable type(2/3 Layer)or as advised by TPDDL) for suitable
height

- Document Bag (Catalogue Box type)

- GI Pipe (assorted size), Shovel, spade, plough for working wherever
required.

BA to ensure to keep minimum of 15% reserve of all tools and tackles to
meet the daily requirement without hampering the work. Stock register to
be maintained by BA and shall submit a copy of same to TPDDL for
verification along with monthly bill being invoice submitted.

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Wherever not mentioned, provisions are to be made by BA and TPDDL reserves the right to modify / amend the above as per requirement. Agency shall maintain the internal arrangement of TATA 207 or commercial vehicle as per quality norms of TPDDL. MMG shall also provide detailed instructions and conduct audit from time to time to ensure that agency is maintaining the internal arrangement as per norms / instructions. The Agency shall recognize that this job assignment is a customer interface process and hence affects image of the TPDDL. Therefore, the employees deployed shall be adequately qualified, presentable, customer friendly and of high integrity and always display I-Card issued by TPDDL. The agency shall deploy manpower from the employment rolls of the Agency and shall not sublet or assign this job to any other Agency.

Materials for execution of work:

a) Materials issued by TPDDL: All major items viz Meter, Meter Boxes, Cable, seals, Bus bars Box, Distribution boxes, Cable anchor clamp, line taps, wedge connectors, shackle insulator, GI wire(7/10Sq.mm), D- clamp, and Cable Glands (for pole mounted DBs), PVC Caps for LTCT box, cable tie, wall corner clamps etc. BA will reconcile the material issued by TPDDL on regular intervals specified by TPDDL.

b) Materials would be supplied by BA : (whose cost shall be included in the BOM activities)

Fasteners, Nails, Saddles (as per TPDDL Specification), Nut Bolts, Thimbles, ISI marked Insulation tape, HT tape, M seal, Ferrule, Aluminum binding wire, bobbins, Earth wire (multi stand-16 MM), Pre-paid meter connector, cotton tape, spring washer, Link of suspension clamp, Accucheck / testing reference meter (testing equipment) and its calibration and any other miscellaneous items of quality specified by TPDDL.

c) Material shall be supplied by BA as and when required /as per site requirement and would be paid by TPDDL -

- Jubilee Clip - for providing earth at meter end.
- Pre-fabricated MS structural angle/channel/ flats of size (b x h x t) (50 x 50 x 6) of 300 mm long.
- Pre-fabricated GI structural angle /channel/flats of required size. 1 set GI angle contains 2 no. of Slotted angle of size (40 x 40 x 6) of 400 mm long) and 2 nos of GI nut bolts of size (16 mm x 200 mm long) for

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cable size upto 4*150 sq.mm.

- Pre-fabricated GI structural angle /channel/flats of size. 1 set GI angle contains 2 nos of Slotted angle of size ((50 x 50 x 6) of 400 mm long) and 2 nos of GI nut bolts of size (16 mm x 200 mm long) for cable size upto 4*300 sq.mm.

- Assorted Size (25 mm to 100 mm) of GI Pipe for underground cable connection. Digging provision along with ROW permission wherever required for underground cable connection will be taken care by BA. MS /GI structure will be in the form of slotted angle/D Clamp (at pole end/Temporary Connection/Distribution box), extension angle (where ground clearance to be extended at consumer end), angle bracket with double anchor fastener (at consumer end) etc. (Wherever not mentioned, TPDDL reserves the right to modify / amend the above as per requirement)

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Certificate of Quality:

BA shall submit a self-certification for quality of installation with every bill submitted to TPDDL to confirm that installations have been in accordance with procedures / standards laid down in this document and other quality norms of TPDDL. If any deviation in Quality is observed, agency will rectify within 10 days of notice given by TPDDL.

IV. Submission of Bills :

1. Bills must be submitted on monthly basis (1st date of month to last date of month) within 3 Working Days of the next month at BIRD (Bill Inward Receipt Desk, Civil Line, Near Vidhan Sabha or any other TPDDL location intimated from time to time).

2. Bills must be prepared on the basis of protocols updated during the month. The list of same shall be provided on 2nd of next month of the bill month.

3. The bill must be submitted along with the required attachments.

4. All annexure must be properly signed and stamped.

5. Bills shall be verified at MMG back office and further processing shall be done on the basis of verification.

6. TPDDL shall not be liable to delay in payments on non-confirmation of above required.

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Statutory Requirements:

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The Agency is required to complete the following minimum statutory compliances and submit the documentary evidence for the same.

1. Provident Fund code
2. Obtains ESI no.
3. Gets its workers insured so that he is in a position to make the payment under Workmen Compensation Act in case of any eventuality.
4. Submits information to Principle Employer on the Standard Format
5. Obtains Form V from the Principle Employer
6. Obtains labor license from the Labor Dept.
7. Complies with the CL (R<(><)>A) Act.
8. Possesses a valid Service tax registration certificate.
9. Workmen Compensation, PA Insurance of worker / supervisor deployed in the job ; Copies to be submitted to TPDDL

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Incentives to the Agency

Criterion:

- A. All issued burnt, new connection, re-connection meters replaced within one day and faulty, enforcement within 3 days issued to respective BA. Consolidated Amount --5000 /- per team per month.
- B. Best Team (Based on competitive assessment and judgment of Engineer In charge Consolidated Amount--5000/- (Best one team per month per BA shall be notified)
- C. No meters pending (of age greater than 3 days) Consolidated Amount--5000/- per agency per month.

VIII. Liquidated damages:

ACTIVITY PENALTY

1. Every next month's targets will be intimated to the BAs in the last week of previous month as per requirement and BA s capability. Targets will be signed mutually by both BA's and MMG. In case BA's fail to achieve the agreed targets then penalized in accordance to the missed target.
- If 1% of the target is not met then 1% of the monthly bills is penalized and so on. The maximum penalty on missing the productivity target shall be 15%.
2. Delay in Submission of Protocol by more than one day after completion

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of job.(7 days in case of Zones) Penalty of Rs. 50/- per day per protocol of delay.

3. Non availability of items in van, at the time of surprise inspection as per annexure II 2000/ - per such occurrence

4. Loss of any TPDDL meter (FIR lodged with relevant police station and informing TPDDL within 3 working days) 8000/- per single phase meter 16,000/- per three phase meter 20,000 /- per CT meter OR 10 times cost of meter, whichever is higher.

5. Loss of any TPDDL meter (without FIR) or informing TPDDL of such occurrence later than 5 working days or not informing at all. 13,000/- per single phase meter 21,000/- per three phase meter 25,000/- per CT meter OR 10 times cost of meter, whichever is higher.

6. Loss of any TPDDL Seal (FIR lodged with relevant police station and informing TPDDL within 3 working days) 1000/- per seal 7 Loss of any TPDDL Seal (without FIR lodged with relevant police station and informing TPDDL within 3 working days) 1500/-per seal

7. Safety violation by BAs and intimated by Office -in -charge through Safety Violation Token 2000/ -per Token (Same can be lead to termination of the BA-Employee)

8. Non Reconciliation of any material (other than meter) for any assessment period. 2 x Cost of such un-reconciled material

9. If CA No., M No. and D.O.I not put on the Meter box after Installation and replacement 200/- per occurrence

10. Improper installation of meter resulting in Burning or damage of meter 1200/- per meter (single phase) 4000/- per meter (three phase/CT meter) or 2 times of cost of meter, whichever is higher.

11. Improper Quality reported and confirmed by manager In charge (if any) 1200/- per meter (single phase and three phase) and 2500/- for Smart meter related installation

12. Meters issued but not returned or installation protocol submitted within 3 days of issue,7 days in case of Zones (for report generated on last working date of month) Total No of such days x 50/-

13. Tampered meter Removal /Wrong Installation 10000/ per case

14. Accident at site Due to Safety violation Total Cost lost by TPDDL + 5000/- Per occurrence

15. Reporting of any unethical activity against BA 10000/- per

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- occurrence and/or termination of contract with Agency can be done
16. Reconciliation of meter & material not done within 5 days of notice given to agency 1000/- per day
 17. No rectification against the deviation in Quality reported within 10 days of notice by TPDDL 50/- per site per day
 18. Return of HT material (Metering Cubicle & CTPT unit) within 10 days 100/- per site per day
 19. Loss of any TPDDL smart meter 10 x Cost of such meter
 20. More than 1% scrap cable generation for Single phase & HT,PP-LTCT groups Double the material cost
 21. Apart from the above the below Penalty Clauses shall also be applicable.
 - a) Delay on account of non-availability of team, manpower, material etc attributable to BA; penalty of Rs 5000/day- will be levied.
 - b) Delay in energization of new connection within 1 day of date of issue to BA; penalty @ Rs 1000/ installation will be levied.
 - c) Prepaid connection protocol/ move-out physical meter return within 24 hr. of activity execution to MMG stores else penalty of Rs 200 per Day per installation will be levied. Penalty of Rs 5000/- per team per BA per month will be levied for any deviation.
 - d) In case any OK meter is found to be replaced by BA, the cost of meter, allied accessories and installation cost shall be recovered from BA. Meter faulty/ burnt/ damage due to poor quality of installation works attributable to the Agency within 2 years of installation of meter such as loose connections, etc; the cost of meters, allied accessories and installation cost will be borne by Agency.
 - e) In case of any quality issues reported by third party such as Quality Group, SHE<(><<)>(>&<(><<)>)>DM etc; penalty @ Rs 200/- per installation shall be levied on agency. Further the requisite rectification will be done by BA on its own cost within 3 days of information conveyed to agency.

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Installation Practice:

- Installation / replacement of LTCT meters shall be done with complete grouting, commissioning, and energization, communication of Meter and

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seal installation.

- Installation / replacement of HT 11 KV along with indoor Metering cubicle, energy meter and modem include to and fro transportation, commissioning and energization in all respect (i.e. grouting, masonry work, two earth connections, HT cable ends termination, socket/ thimble crimp, tape, plug cable entry hole, sealing cable end boxes, meter terminal cover, window and chamber door)
- Installation / replacement of new HT 11 KV along with outdoor Metering CTPT unit, energy meter and modem include to and fro transportation, commissioning and energization in all respect (i.e. connection in meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30# height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door)
- All service cable installation / replacement shall include the installation of saddle, fastener for support
- Installation of distribution box / pole mounted bus bar on pole shall be done with steel strap and buckles.
- Laying of underground cable of all size shall be as per the standard practice for underground LT cable laying - per meter length- (total end to end cable length is to be calculated, no separate charge for exposed (o/h) cable part) with inclusion of excavation as per standard specification and installation of GI Pipe.
- Minor reworking in CT Meter termination will include installation of thimble / socket crimping gland change, cable lead extension crimping and tight.
- Installation of 15 / 30 Meter boards shall be inclusive of appropriate transportation / handling / civil work / foundation as per foundation drawing.

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Other T(>&<)>C:

- Dedicated vehicle required for new connections pertaining to SP group and for PP/LTCT group.
- Quality of BA Materials like saddle, slotted angle, PVC tape, earth wire etc should be as per Tata Power-DDL specifications.

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Scope of Work and SLA for NIC and Modem Troubleshooting

1. The activity involves Smart meter NIC rectification/replacement/Modem Troubleshooting applicable where Energy meter is not communicating with Communication Network / HES. The activity also involve to download electronic data simultaneously.
2. All adequate resources shall be in the scope of BA (similar to resources being given in Meter installation service activity).
3. For RF communication adapter shall be provided by TPDDL to BA on returnable basis.
4. There are two services of NIC card replacement / rectification in BOM :-
 - i) NIC replacement / rectification service (in case Laptop/Tab is provided by BA)
 - ii) NIC replacement / rectification service (in case Laptop/Tab is provided by TPDDL)
5. All planning, work schedule, providing qualified manpower, seal management and requisite field work to be organized by Business Associates.
6. Agency to keep up with new RF technology and take care for any Advancement in software or hardware functionalities, if required. TPDDL shall provide support and adequate training.
7. In case of Premises Locked (PL) a notice has to be pasted at Prominent place on the premises and required information as given in Service orders (SO) and reason for PL to be checked from neighbour#s and to be filled in the SOs along with photographs of the locked premises, notices etc. to be submitted along with the protocols and copy of notice.
8. In case of NM (No meter), Meter Mismatch & DC (disconnected) cases, format is to be filled and details of disconnection and other meters installed in the premises are to be noted down in the SO / form and photographs of the same is to be submitted in TPDDL along with the SOs.
9. Seal Reconciliation to be done by Business Associates and a daily sealing report comprising all seal related details i.e. seal no, K. NO. & Meter No., NIC number, old seal no, seal damage details etc. shall be forwarded to TPDDL.

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10. Business Associate has to ensure the safety compliance while working at site and to conduct various safety training of its Field staff at regular interval. And also strictly follow the contractor safety management system (GCC). And depute a safety officer & a quality officer as per CSM.
11. Business Associate has to conduct Surprise Audit in minimum 10% of OK successful cases while their staffs are working at site by as deputed quality engineers and report of audit and capture Photograph of same is to be shared with MMG Back office.
12. Business Associate has to appoint adequate teams for timely Execution of the smart meter Trouble shooting & rectification cases within the adhered timelines.
13. Business Associate has to provide the photographs of the all kind Remark received after the site visit during the site visit.
14. Team comprising of ITI with 2 year experience / Diploma Holder / B.Tech / BE, will go to sites for NIC trouble shooting with all PPE#s.
15. Training to carry out the activity will be given by MMG and job will be performed accordingly in field.

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Service Level Agreement (SLA) for NIC/Modem Troubleshooting

1. The complaints of meter communication Troubleshooting cases will have to be rectified within 7 working days of issuance to BA.
2. The business associates shall execute all the complaint given by MMG in the above guidelines with stretching his manpower to complete the job.
3. NIC card in meter to be verified to identify possible reason(s) for non- communication and remarks for the same must be mentioned in the Service order.
4. Faulty equipment (NIC)/modem to be attended and replaced or rectified immediately on the spot.
5. Seals, NIC and associated accessories of Meter to be arranged by TPDDL. Associated accessories includes Communication adaptor, optical cords, service orders, training to do the activity etc.
6. Call to be given to the troubleshooting help desk at Tata Power DDL or communication check by Handy com-adaptor at field.
7. All the sites visited must be attended and shall be attended in

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respect of NIC troubleshooting only.

8. All the replaced equipment including seals brought down at the site to be provided to TPDDL as per schedule decided by the MMG/modem help desk.

9. Completely filled SOs with soft/hard copies in required format to be submitted to TPDDL within 2 working days.

10. Requisite training if required at any point of time demanded by TPDDL shall be arranged by Business Associates for its working staff.

11. Reconciliation of seals and NIC/SIM received used and damaged to be done on daily basis or as per the store requirement timely.

12. If Business Associates is not able to complete/ rectifying the complaint of NIC troubleshooting / rectification within 7 days of receipt of complaint, it will be considered as non-performance.

13. In case of faulty meters, burnt meters, damaged cable or any visibly obvious things leading to the theft of power will have to be reported same day / within 24 hours and if it is not reported then a penalty of 4 times of quoted rate of modem rectification shall be taken per meter.

14. For NIC trouble shooting ok done cases, the Smart Meter should be communicated through RF/HES/AMR for 90 days from the date of Trouble shooting. If there is non-communication of same meter within 90days then a re-attempt of case shall be done by BA on its own cost within 7 days else penalty of 4 times of rate per case shall be imposed. If further rectification is done at site, then the Smart meter should communicate for 90 days from the date of trouble shooting.

15. Payment shall be only made for Remarks cases/not ok Case (i.e PL, NM, DC, meter faulty & burnt) Cases.

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Penalties for Non-Compliance/ Performance for NIC/Modem Troubleshooting

1. Payment shall be only made for meters / NIC communicated correctly at Tata Power DDL desk and subsequently submitting completed protocols in every respect.

2. In case of non-compliance of the timeline of NIC rectification, a penalty of Rs. 100/- shall be imposed per case.

3. Wrong seal reconciliation or non-conformance of the work will be liable to be penalized @ 4 times of activity rate.

4. In case of PL, NM, DC, EM & IR cases, visit charges rate @ 50% of

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quoted, TS / rectification rate will be paid and photographs is mandatory in all the cases. However a penalty @ 4 times quote rate will be levied, for wrong remark reporting.

5. Seals are to be properly fixed and seal numbers are to be recorded in protocol. Consumer / consumer representative's signatures are to be obtained on the protocols. If seal numbers are not mentioned in the protocol or signatures are not obtained by consumer/ consumer representative; severe penalty @ 4 times the quote rate will be imposed. However if consumer refuses to sign the protocol intimation of the same to be given to engineer incharge or to be informed to TPDDL immediately from site.

6. In case of non-performance from Business Associates, if TPDDL has to do this work on its own or get done from another source then Cost for the activity + 50% of the same will be recovered from the BA.

7. In case of faulty meters, burnt meters damaged cable or any visibly obvious things leading to the theft of power will have to be reported within 24 hours and if it is not reported then a penalty of 4 times of quoted rate of NIC rectification shall be taken per meter.

8. The contract may get terminated if it is found that the agency is involved in malpractices of seal tampering or helping in such cases lead to power theft. In such cases black listing and legal action may be taken against the agency.

9. For re-Attempting of trouble shooting, it shall be done in 7 working days else penalty of 4 times of the quoted rate of modem rectification shall be imposed per case/meter basis.

Note : - Apart from the above mentioned scope, if for completion of NIC trouble shooting activity, it is felt that additional Laptop / Tab are required for managing the activity, the same shall be intimate by TPDDL in advance. BA shall arrange the same within 30 days time.

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Clarification points -

1. Protocol - BA Team site Supervisor will fill the Protocol on HHD (provided by BA), in all respect and submit it. This filled data will be reflected to concerned Engineer for final submission to TPDDL records.
2. NIC/Modem, "NIC and Modem Troubleshooting shall be done as per mentioned BOM in two way-

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- a) NIC TS with Laptop in BAs's Scope.
 - b) NIC TS with Laptop provided by TPDDL.
 - c) Modem Troubleshooting"
3. Petty Items - Site Consumable # BA to provide Fastners (6mm/ 10mm), screws, gitti, verming proofing m-seal/ equivalent, saddles, earth wire, aluminium thimbles for earthig, aluminum thimbles for LTCT / HT connection terminations, 25 mm Flexible Conduit (Quality equivalent to 25 mtr - 1 kg weight) etc. is to be provided by BA.
4. Under ground Cable Laying - Dig and Restore - This will not be treated as separate item as such cases are very rare and same shall be treated by TPDDL Engineer on case to case basis.
5. Steel Strip for Dist Box - In case steel strip is required at site, then same shall be provided by TPDDL.
6. Smart Tools - Smart tool shall be available with Each Team as per the TPDDL specifications, to be provided by the BA as below:
- a) Battery operated Torque screw driver/ LN key for SP teams
 - b) Battery operated Torque wrench set for Three phase teams
 - c) Battery operated hammer drill machine is excluded from tender."
7. Testing of Meter after installation - Single ph meter is not included in this testing. After installation for Single Phase and Poly phase meter , only outgoing of the meter is to be tested whether it is coming or not. For HT Meter and LTCT Meter, if at all it is required to do some testing , then BA has to do the same in cost of Installation of these meters. All testing instruments shall be provided by TPDDL.
8. Accu Check availability - For site testing of consumer meters, accucheck shall be provided by TPDDL for both SP and three phase meter testing.
9. Ladder - Aluminium or Fibre,,The ladder shall be of Aluminium only. BA shall ensure that the ladder shall be having insulating boot intact at all times, all rugs must be tightened and should be as per TPDDL specs. In case of any change due to any safety requirement same shall has to be adopted by BA.
10. Stand Pipe for maintaining sag of cable - GI Pipe will be provided by TPDDL and BA to ensure its installation in such a manner that it should be able to bear the load of multiple cables.
11. Vehicle requirement - TATA Ace or equivalent excluding Omni Van/

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EECO Van.

12. Dress Code- There shall be mandatory dress code for the working teams as approved by TPDDL (Mainly trouser, Shirt & Jacket during winter.

13. Earthing Lug - 16 sqmm multi strand AL earth wire with 16 sqmm lug to be used

14. ROW - ROW shall not be in BA#s scope.

15. Cancellation of Meter Installation case - New connections returned due to encroachment of network with applied premises shall be included in the scope however Photos evidences are mandatory for such cases.

16. Service order SO shall be submitted through HDD and in such scenario, BA's shall ensure 100% reading pics for old meter removed from in HHD only. Photograph through CD/ digital media/ Pen drive shall not be required. For other SO (not through HDD, the photographs shall be required as per above mentioned clause.

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All other T(>&<)>C shall be applicable as per Tender no - 200001141/19-20, GCC - Composite 2017 Rev15, Scope of work, SLA, Pre-bid clarifications and mutually agreed points during tendering stage.

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