Estimate of Under Ground Electrification Work

C No	Estimate of Under Ground Ele		1	Otri	A manus
S.No.	Description of Items Supply, Installation, Testing and Commissioning of 3C x 300 Sq.	Unit	Rate	Qty	Amount
	1				
	mm. Al. conductor, armoured, XLPE insulated, PVC sheathed,				
1	11KV cable in ready made underground trench / duct / pipe etc	Marin	1550.00	15600	24190000 00
1	and refilling of trench with river sand as per site requirement. The	Meter	1550.00	15600	24180000.00
	cable should conform to IS: 7098 Part-2, 2011 with up to date				
	amendment. The item includes providing of necessary clamps and				
	hardware for cable laying. Supply, installation, testing and commissioning of indoor				
	termination of 11KV cable with heat shrinkable termination kit				
2	complete with lugs and other accessories for 3Cx 300 Al	Each	9000.00	252	2268000.00
	conductor armoured, XLPE insulated cable.				
	Supply, installation, testing and commissioning of outdoor				
3	termination of 11KV cable with heat shrinkable termination kit	Each	8000.00	128	1024000.00
3	complete with lugs and other accessories for 3Cx 300 Al	Lucii	0000.00	120	1021000.00
	conductor armoured, XLPE insulated cable				
	Supply, installation, testing and commissioning of straight through				
4	joint of 11KV cable with heat shrinkable straight through	Each	11000.00	56	616000.00
	termination kit complete with lugs and other accessories for 3Cx	Lucii	11000.00	50	010000.00
	300 Al conductor armoured, XLPE insulated cable.				
	Supply, Installation, Testing and Commissioning of Al. conductor,				
	armoured, XLPE insulated, PVC sheathed, 1.1KV cable in ready				
	made underground trench / duct / pipe etc and refilling of trench				
5	with river sand as per site requirement. The cable should conform				
	to IS: 7098 Part-2, 2011 with up to date amendment. The item				
	includes providing of necessary clamps and hardware for cable				
	laying. The cable size is as mentioned below:				
a	3.5Cx300 Sq.mm cable	Meter	1200.00	17500	21000000.00
b	3.5Cx150 Sq.mm cable	Meter	590.00	20000	11800000.00
с	3.5Cx 35 Sq.mm cable	Meter	210.00	8200	1722000.00
d	4 Cx 25 Sq.mm cable	Meter	180.00	17000	3060000.00
e	4 Cx 16 Sq.mm cable	Meter	135.00	23000	3105000.00
f	4 Cx 10 Sq.mm cable	Meter	113.00	20000	2260000.00
g	4 Cx 6 Sq.mm cable	Meter	96.00	26000	2496000.00
h	2 Cx 6 Sq.mm cable	Meter	64.00	21125	1352000.00
i	2 Cx 4 Sq.mm cable	Meter	52.00	14000	728000.00
	Supply, Installation, Testing and Commissioning of termination of				
	Al. conductor, armoured, XLPE insulated, PVC sheathed, 1.1KV				
6					
	cable with double compression chrome plated brass cable gland				
	and heavy duty tubular lugs of following size:				
a	3.5Cx300 Sq.mm cable	Each	2500.00	400	1000000.00
b	3.5Cx150 Sq.mm cable	Each	1200.00	300	360000.00
c	3.5Cx 35 Sq.mm cable	Each	400.00	1000	400000.00
d	4 Cx 25 Sq.mm cable	Each	260.00	1200	312000.00
e	4 Cx 16 Sq.mm cable	Each	210.00	1200	252000.00
f	4 Cx 10 Sq.mm cable	Each	150.00	1000	150000.00
g	4 Cx 6 Sq.mm cable	Each	125.00	1500	187500.00
h	2 Cx 6 Sq.mm cable	Each	85.00	1500	127500.00
i	2 Cx 4 Sq.mm cable	Each	60.00	1400	84000.00
<u> </u>	Supplying and erecting earth pit of minimum bore dia 150 mm				
	size, approved make safe earthing electrode consisting pipe in pipe				
	technology as per IS 3043-1987 made of corrosion free GI pipes				
7	having outer pipe dia of 50 mm having 80-200 micron galvanising,				
7	inner pipe dia of 25 mm having 20-250 micron galvanising,				
	connection terminal dia of 12 mm with content OHMIC value				
	surrounded by highly conductive compound with high charge				
	dissipation suitable for effective and maintenance free earthing.				
Ť	with 2 mtr. Pipe in normal soil with 25 kg (one bag) back filling	Each	8000.00	200	1600000.00
I	compound	Eacii	8000.00	200	1000000.00
1					
	with 2 mtr. Pipe of 80 mm outer dia, 40 mm inner dia and 14 mm			40.5	
П	with 2 mtr. Pipe of 80 mm outer dia, 40 mm inner dia and 14 mm terminal dia, in soft rock/marshy soil with 25 kg (one bag) back	Each	9500.00	400	3800000.00
	with 2 mtr. Pipe of 80 mm outer dia, 40 mm inner dia and 14 mm terminal dia, in soft rock/marshy soil with 25 kg (one bag) back filling compound	Each	9500.00	400	3800000.00
п	with 2 mtr. Pipe of 80 mm outer dia, 40 mm inner dia and 14 mm terminal dia, in soft rock/marshy soil with 25 kg (one bag) back filling compound Supplying and laying 50mm X 6mm G.I. strip at 0.5 metre below				3800000.00
	with 2 mtr. Pipe of 80 mm outer dia, 40 mm inner dia and 14 mm terminal dia, in soft rock/marshy soil with 25 kg (one bag) back filling compound Supplying and laying 50mm X 6mm G.I. strip at 0.5 metre below ground level / surface as strip earth electrode including jointing	Each Meter	9500.00 165.00	2000	3800000.00
п	with 2 mtr. Pipe of 80 mm outer dia, 40 mm inner dia and 14 mm terminal dia, in soft rock/marshy soil with 25 kg (one bag) back filling compound Supplying and laying 50mm X 6mm G.I. strip at 0.5 metre below				

II width 450 mm x height 100 mm Meter 600.00 1800 1080000.00						
gauge galvanised steel sheet dulty me treated and pure polywear thick powder coated 80 micron thickness sings Siemme grey colour shude no. RAL-7032 ray other colour if required by client. The feeder pillar shall be double door in cubical formation. compartmentalized in form with front open able doors. The door shall be provided with concealed langes and with brazing wherever required to avoid deformation and shall be earthed. All the door shall have heavy duty door locks, and shall be seaded with accoptene gaskers. The feeder pillar shall be IP 55, outdoor type weather, dout and vermin proof having campty type tapered roof self-standing type as per approved CA daglem. Panels shall have lifting books and base channel of size 50 x 40 x 6 mm. The feeder pillar shall be complete with bos bars, wiring, cabing of proper ratings (not less than 15 times the rating of respective workchagens, counting gare cro, for inner connection between which gear, counting gear, metering, safety relays, indicators etc. as per the approved single life diagram. The feeder pillar shall have proper arrangement for termination of all incoming and out goings cables. All the bus bars shall be suprouted on epoxy supports and shall be insulated with colour coiled heat shrinkible sleeves. Feeder pillar shall be as per the space vanishe at size it shall have earthing bots and toth sides inter connected with 50.5 mm. Al cantring bus along the width of feeder pillar. Note: The GA drawing for panel should be approved by consultant / engineer in charge before fabrication. The feeder pillar. Note: The GA drawing for panel should be approved by consultant / engineer in charge before fabrication. The feeder pillar shall have space and proper arrangements for insullation of incoming and outgoing MCCES with R.Y.D. EDU type indicating largems. HIC fine bases, MCBs etc. complete with interconnection provisions with provising writing and bus bars with required hardware, sleeves, ferrules, supporters, locks etc. Panel shall have proper space and arrang		Supply, installation, testing and commissioning of feeder pillar				
thick powder coated 80 micron thickness using Siemens grey color shade no RAL 1922 aray other color if required by client. The feeder pillar shall be double door in cubical formation. compartmentalized in form with from cope and bel doors. The door shall be provided with concealed langes and with brazing wherever required to arow did efformation and shall be carbed with acopone gaskes. The feeder pillar shall be P S5, outdoor type weather, dust and vennin proof having campy type tapeced roof self-standing type as perspected (and langes). The shall have hitting hooks and buse channed of size 50 x 40 x 6 mm. The feeder pillar shall be complete with his bars, viring, cabling of proper ratings (not less than 1.5 times the rating of respective switchingars, corner gar etc.) for inter connection between which gara, courned gar, meeting, safely relays, indicators etc. as per the approved single fine diagram. The feeder pillar shall be supposed so have shall be signated on eproxy supposes and shall be invaluated with colour coded theat shrinkable sleves. Feeder pillar shall be as per the speece shall have proper arrangement for termination of all incoming and out goings cables. All the hus bants shall be signatured in opensy supposes and shall be invaluated with colour coded theat shrinkable sleves. Feeder pillar shall be well of feeder pillar shall be expected by consultant, degineer in charge before fabrication. The feeder pillar shall be supposed by feeder pillar shall be as per the spee available at site is shall have carthing but and proper arrangements for installation of incoming and outgoing MCCIS with R.Y.P. LID by spel indicating the shall have proper space and arrangements for installation of morning and outgoing MCCIS with R.Y.P. LID by spel indicating the shall have proper space and arrangements for installation of morning and		panels suitable for AC 440 V, 50 HZ supply, fabricated with 14				
colour shade no. RAL-7032 / any other colour if required by client. The feeder pillar shall be double door in cubical formation, compartmentalized in form with front open able doors. The door shall have health concealed himpes and with hearing wherever required to avoid deformation and shall be earthed. All the door shall have heavy duty door locks, and shall be seaded with accopance garkets. The feeder pillar shall be IP 55, outdoor type weather, dust and verning proof having canopy type tapered roof self-standing type as per approved GA diagram. Pinack shall have ititing hooks and base channel of size 50 s 60 s 6 ram. The feeder pillar shall be complete with bos bars, wiring, cubling of proper ratings (not less than 15 times the rating of respective wirkingsas, counting gare, metering, safety relays, indicators etc. as per the approved single line diagram. The feeder pillar shall have proper arrangement for termination of all incoming and out goings, cables. All the has best shall be happened on epoxy supports and shall be insulated with colour coded heat shrinkable sleeves. Feeder pillar shall be as per the space vaulable at size it is shall have earthing hosks at both sides inter connected with 505 ram Al earthing has along the width of feeder pillar. Note: The GA drawing for panel should be approved by consultant /engineer in charge before fabrication. The feeder pillar shall he was eard proper arrangements for insulation of incoming and outgoing. MCCIX with R.Y. all Day begin indicating lamps. HIKC flue bases, MCBs etc. complete with increamedion provisions with providing writing and best bars with required hardware, sleeves, ferrules, supporters, locks etc. Panel shall have proper space and arrangements for termination of incoming and outgoing. MCCIX with R.Y. all Day begin indicating the shall be comprising of following items. If TYPE-A. Rating of incorner MCCB TTN 250 A, 35KA (Adjustable thermal O/L with less = 100% tol.) Outgoing Bakkettic bace base and holder type HRC fises, 80KA, of 40A rati		gauge galvanised steel sheet duly pre-treated and pure polyester				
The feeder pillar shall be double door in cubical formation, shall be provided with concealed langes and with heazing wherever required to avoid deformation and shall be acted with meazing wherever required to avoid deformation and shall be earthed. All the door shall have heavy duty door becks, and shall be seaded with acceptore garkets. The feeder pillar shall be 1P 55, ontdoor type weather, dust and vernim proof having canopy type tapeed roof self-standing type as per approved GA diagram. Panels shall have filling hooks and base channel of size 50 A 0.6 from The feeder pillar shall be complete with bus bors, wring, cabing of proper ratings (not less than 1.5 times the rating of respective workshagars, control gear etc.) for inter connection between which gear, control gear etc.] for inter connection between which gear, control gear etc.] for inter connection between which gear, control gear etc.] for inter connection between which gear, control gear areagement for termination of all incoming and out goings, cables. All the bus bars shall be supported on epoxy supports and shall be invaluated with colour coded best shrinkable sleves. Feeder pillar shall be as per the space available at site. It shall have earthing blost a bit of site is interconnected with 5005 mm Al earthing bus a short side interconnected with 5005 mm Al earthing to panel should be approved by consultant / reginger in charge before fabrication. The feeder pillar shall have space and proper armagements for installation of incoming and outgoing MCCSB with R.Y.B. LED type indicating lamps. HIC flue bases. Moles etc. complete with interconnection provisions with providing wiring and bus bars with required hardware, sleves, fermels, supporters, bock etc. Panel shall have proper space and arrangements for termination of incorner hoof in bon out cables, outgeing service cables, with proper offsets in bus bars for cable terminations. Feeder Pillar shall be comprising of following interesting and eniforcement as per design. 1 PriPE-B Rating of in		thick powder coated 80 micron thickness using Siemens grey				
compartmentalized in form with front open able doors. The door with the provided with concealed helpes and with heazing wherever required to avoid deformation and shall be earthed. All the door shall have heavy duty door locks, and shall be earthed. All the door shall have heavy duty door locks, and shall be earthed. All the door shall have heavy duty door locks, and shall be sealed with neoprene gaskess. The feeder pillar shall be 19 50, outdoor type weather. dast and vermin proof having canopy type tapered roof self-standing type as per approved Go Algarm. Panels shall have being the feeder pillar shall be complete with bas bars, wring, cabling of proper ratings (not less than 1.5 times the rating of respective voirlespears, control gear, metering , safety relays, indicators etc. as per the approved single fine diagram. The feeder pillar shall have proper arrangement for termination of all incoming and out goings cables. All the bus bars shall be supported on epoxy supports and shall be insultated with colour coded heat shrinkable sleeves. Feeder pillar shall be as per the space available at site. It shall have earthing both as both sides inter connected with 505 mm Al earthing both and be insultated with colour coded heat shrinkable sleeves. Feeder pillar shall be as per the space available at site. It shall have earthing both as both sides inter connected with 505 mm Al earthing both on the with of feeder pillar shall have space and proper arrangements for installation of incoming and outgoing MCCBs with R.Y.B LED type indicating larges. HIC five bases. MCRS etc. complete with interconnection provided and the proper paper and arrangements for installation of incoming and outgoing horizontal proper paper and arrangements for installation of incoming and outgoing horizontal proper paper and arrangements for installation of incoming and outgoing horizontal proper paper and arrangements for termination of incomen Poor in Loop out cables, outgoing stratege cables, with proper fisters in hus bas as for cable ter		colour shade no. RAL-7032 / any other colour if required by client.				
shall be provided with concealed hinges and with brazing wherever required to word deformation and shall be carbed. All the door shall have heavy duty door locks, and shall be seathed. All the door shall have heavy duty door locks, and shall be seathed with neoprover gaskets. The feeder pillur shall be IP S5, outdoor type weather , dust and vermin proof having canopy type tapered roof self-standing type as per approved GA diagram. Panels shall have lifting hooks and base channel of size 90, 40 % 6 rm. The feeder pillur shall be complete with bus bars, swring, cabing of proper ratings (root loss than 1.5 times the rating of respective switchgers, control gear net; of in inter connection between switch gear, control gear netering, safety relays, indicators etc. as per the approved single line diagram. The feeder pillur shall have proper arrangement for termination of all incoming and out goings cables. All the bus bars shall be supported on epoxy supports and shall be insulated with colour code heat shrinkable sleeves. Feeder pillar shall be as per the space available st site. It shall have earthing blost as both sides inter connected with 50.5 mm Al earthing bas along the width of feeder pillar. Note: The GA drawing for panel should be approved by consultant / engineer in change before fabrication. The feeder pillar shall have space and proper arrangements for installation of incoming and outgoing MCCBs with R.Y.B.LED type indicating lamps. HRC fise bases, MCBs etc. complete with interconnection provisions with providing wiring and bus bars with required hardware, sleeves, ferrites, supporters, locks etc. Panel shall have proper space and arrangements for termination of incomer hoop in loop out cables, outgoing service cables, with proper offices in bus bars for cable terminations. Feeder Pillar shall be comprising of followare income. 1 TYPE-B Rating of incomer MCCB TPN 125 A, 35KA (Adjustable thermal Orly with R.Y.B.LED type indicating terminations and the proper proof feature to automatically send SMS ale		The feeder pillar shall be double door in cubical formation,				
shall be provided with concealed hinges and with brazing wherever required to word deformation and shall be carbed. All the door shall have heavy duty door locks, and shall be seathed. All the door shall have heavy duty door locks, and shall be seathed with neoprover gaskets. The feeder pillur shall be IP S5, outdoor type weather , dust and vermin proof having canopy type tapered roof self-standing type as per approved GA diagram. Panels shall have lifting hooks and base channel of size 90, 40 % 6 rm. The feeder pillur shall be complete with bus bars, swring, cabing of proper ratings (root loss than 1.5 times the rating of respective switchgers, control gear net; of in inter connection between switch gear, control gear netering, safety relays, indicators etc. as per the approved single line diagram. The feeder pillur shall have proper arrangement for termination of all incoming and out goings cables. All the bus bars shall be supported on epoxy supports and shall be insulated with colour code heat shrinkable sleeves. Feeder pillar shall be as per the space available st site. It shall have earthing blost as both sides inter connected with 50.5 mm Al earthing bas along the width of feeder pillar. Note: The GA drawing for panel should be approved by consultant / engineer in change before fabrication. The feeder pillar shall have space and proper arrangements for installation of incoming and outgoing MCCBs with R.Y.B.LED type indicating lamps. HRC fise bases, MCBs etc. complete with interconnection provisions with providing wiring and bus bars with required hardware, sleeves, ferrites, supporters, locks etc. Panel shall have proper space and arrangements for termination of incomer hoop in loop out cables, outgoing service cables, with proper offices in bus bars for cable terminations. Feeder Pillar shall be comprising of followare income. 1 TYPE-B Rating of incomer MCCB TPN 125 A, 35KA (Adjustable thermal Orly with R.Y.B.LED type indicating terminations and the proper proof feature to automatically send SMS ale		compartmentalized in form with front open able doors. The door				
wherever required to avoid deformation and shall be earthed. All the door shall have heavy dary door looks, and shall be sealed with acopyene guakets. The feeder pillar shall be IP \$5, outdoor type weather , dust and vermin proof having canopy type tapered roof self-standing type as per approved GA diagram. Planels shall have Bilting hooks and base channel of size 50 x 40 x 6 mm. The feeder pillar shall be complete with bus bars, writing, cabling of proper ratings (not less than 1.5 times the rating of respective swirchgears, control gear, metering , safety relays, indicators etc. as per the approved single line diagram. The feeder pillar shall bave proper arrangement for termination of all incoming and out goings cables. All the bus bars shall be supported on epoxy supports and shall be insultated with colour coded heat shrinkable sleeves. Feeder pillar shall bave available at site. It shall have canthing both as both sides inter connected with 50x5 mm Al earthing bus along the width of feeder pillar. Note: The GA drawing for panel should be approved by consultant / engineer in clasge before fabrication. The fooder pillar shall have space and proper arrangements for insultation of incoming and outgoing MCCBs with R.V.B LED type indicating lamps. IRC (line bases, MCBs etc., complete with interconnection provisions with providing writing and bus bars with required hardware, sleeves, ferrules, supporters, locks etc. Panel shall have proper space and armagements for insultation of incoming and outgoing MCCBs with R.V.B LED type indicating lamps. IRC (line bases, MCBs etc., complete with interconnection provisions with providing writing and bus bars with required hardware, sleeves, ferrules, supporters, locks etc. Panel shall have proper space and armagements for termination of incomer loop in loop out cables, outgoing service cables, with proper offsets in base bars for cable termination. Feeder Pillar shall be comprising of following items. I TYPE-A Rating of inconner MCCB TPN 125 A, 35KA (Adjustable thermal	10					
the door shall have heavy duty door locks, and shall be realed with neoprene gaskets. The feder pillar shall be IP 35, outdoor type weather , dust and vermin proof having canopy type tapered roof self-standing type as per approved GA diagram. Panels shall have litting hooks and base channel of size 90, 40 % of mm. The feeder pillar shall be complete with bus bars, wiring, cabling of proper ratings (not less than 15 time the rating of respective switchgears, control gear text) for inter connection between switch gear, control gear, thereties, a selfer plays, indicators etc. as per the approved single line diagram. The feeder pillar shall have proper arrangement for termination of all incoming and out goings cables. All the bus bars shall be supported on epoxy supports and shall be insulated with colour code theat shrinkable sleeves. Feeder pillar shall be as per the space available at site. It shall have earthing bots at both sides inter connected with 505 mm A earthing bots all obth sides inter connected with 505 mm A earthing bots all obth sides inter connected with 505 mm A earthing bots all obth sides inter connected with 505 mm A earthing bots allow the sides of the connected with 505 mm A earthing bots allowed be approved by consulant / engineer in charge before fabrication. The feeder pillar shall have space and proper arrangements for installation of incoming and outgoing MCCBs with R.Y. BLUE type indicating lamps. HRC fase bases, MCBs etc. complete with interconnection provisions with proving wiring and bus bars with required hardware, steeves, ferrules, supportes, locks etc. Parel shall have proper space and arrangements for installation of incomine roop in loop out cables, outgoing service cables, with proper offsets in bus bars for cable terraintations. Feeder Pillar shall be comprising of dillumina intens. 1						
weather, dust and vermin profit having caponly yote tapened roof self-standing type as per approved GA diagram. Panels shall have lilting thooks and base channel of size 50 x 40 x 6 mm. The feeder pillar shall be complete with bas bars, witing, cabling of proper ratings (not less than 1.5 times the rating of respective swirchgears, control gear, metering, safety relays, indicators etc. as per the approved single fine diagram. The feeder pillar shall have proper arrangement for termination of all incoming and out goings cables. All the bus bars shall be supported on epox supports and shall be insulated with colour coded beat strinkable sleeves. Feeder pillar shall be as per the space available at site. It shall have carthing bolts at both sides inter connected with 50x5 mm Al earthing bus at both sides inter connected with 50x5 mm Al earthing bus at both sides inter connected with 50x5 mm Al earthing for panel should be approved by consultant / engineer in charge before fabrication. The feeder pillar shall have space and proper arrangements for installation of incoming and outgoing MCCBs with R.Y.B. LED type indicating lamps. HRC fisse bases, MCBs etc. complete with interconnection provisions with providing wiring and bus bars with required hardware, sleeves, fertules, supporters, locks etc. Panel shall have proper space and arrangements for termination of incomer loop in loop out cables, outgoing service cables, with proper offsets in bus bars for cable terminations. Feeder Pillar shall be comprising of fullwairn items. 1 TYPE-A Rating of incomer MCCB TPN 250 A, 35KA (Adjustable thermal OL, with less 100% leu) Outgoing Bakelite fines base and holder type HRC fusses, 80KA, of 40A rating 44 no. (1 8 sets of 3nos each) The feeder pillar should have anti-telf tamper proof feature to automatically send SMS allert if door opening is attempted by unauthorised person. 1 TYPE-B Custruction of foundation et with M20 grade RCC complete to automatically send SMS allert if door opening is attempted by unauthor		·				
weather, dust and vermin proof having canopy type tapered roof self-standing type as per approved God diagram. Panels shall have lifting hooks and bate channel of size 50 x 40 x 6 mm The feeder pillar shall be complete with buo bars, wiring, cabling of proper rating, only less than 1.5 limes the rating of respective switchgears, control gear rect.) for inter connection between switch gear, control gear, meeting, safety relays, midcators set: as per the approved single line diagram. The feeder pillar shall have proper arrangement for termination of all incoming and out goings cables. All the bus bars shall be supported on epoxy supports and shall be insulated with colour code theat shrinkable sleeves. Feeder pillar shall be as per the space available at site. It shall have earthing blus a both sides inter connected with 505 mm Al earthing bus along the width of feeder pillar. Note: The GA drawing for panel should be approved by consultant / engineer in charge before fabrication. The feeder pillar shall have space and proper arrangements for installation of incoming and outgoing. MCCBs with R; Yab. ELD type indicating lamps. HRC fitse bases, MCBs etc. complete with interconnection provisions with providing wiring and bus has with required hardware, sleeves, ferrules, supporters, locks etc. Panel shall have proper space and armagements for termination of incoming and outgoing. I TYPEA. The feeder pillar shall be supporter floor in loop out cables, outgoing service cables, with proper offsets in bas bars for cable terminations. Feeder Pillar shall be comprising of the provision with provision with provisions with provising with the proper space and armagements for termination of fencenter loop in loop out cables, outgoing service cables, with proper offsets in has bars for cable terminations. Feeder Pillar shall be comprising of the provision of the provision with provision wit		_ ·				
self-standing type as per approved GA diagram. Panels shall have lifting hooks and have channel of size 59.4 dl X of mm. The feeder pillar shall be complete with bas hars, wiring, cabling of proper ratings (not less than 1.5 times the rating of respective switchgears, control gear, the control of the provided of the provided pillar shall be complete with bas hars, wiring, cabling of proper arrangement for termination of all incoming and out goings cables. All the bas bars shall be supported on epoxy supports and shall be insulated with colour coded heat shrinkable sleeves. Feeder pillar shall be as per the sported on epoxy supports and shall be insulated with colour coded heat shrinkable sleeves. Feeder pillar shall be as per the spore available at site. It shall have carthing bolts at both sides inter connected with 50.5 mm Al earthing bolts along the width of feeder pillar. Note: The GA drawing for panel should be approved by consultant? engineer in charge before fabrication. The feeder pillar shall have space and proper arrangements for installation of incoming and outgoing MCCBs with R.Y.B. LED type indicating lamps. HRC fiss bases, MCBs etc. complete with interconnection provisions with providing wiring and bus bars with required hardware, sleves, MCBs etc. complete with interconnection provisions with providing wiring and bus bars with required hardware, sleves, MCBs etc. complete with interconnection provisions with providing wiring and bus bars with required hardware, sleves, MCBs etc. complete with interconnection provisions with providing wiring and bus bars with required hardware, sleves, MCBs etc. complete with interconnection provisions with providing wiring and bus bars with required hardware, sleves, MCBs etc. complete with Justine and						
The feeder pillar shall be complete with bus bars, wiring, cabling of proper ratings (not less than 1.5 times the rating of respective switchgeans, control gear tect, for inter connection between switch gear, control gear, meeting, safety relays, indicators etc. as per the approved single line diagram. The feeder pillar shall have proper arrangement for termination of all incoming and out goings cables. All the bus bars shall be susported on epoxy supports and shall be insulated with colour code theat shrinkable sleeves. Feeder pillar shall be as per the space available at site. It shall have earthing bots at both sides inter connected with 50x5 mm Al earthing bus along the width of feeder pillar. Note: The GA drawing for panel should be approved by consultant / engineer in charge before fabrication. The feeder pillar shall have pace and proper arrangements for installation of incoming and outgoing MCCBs with R.70x ED Drype indicating lamps. HRC fuse bases, MCBs etc. complete with interconnection provisions with providing wiring and bus bars with required hardware, sleeves, ferrules, supporters, locks etc. Panel shall have proper space and arrangements for termination of incomer loop in loop out cables, outgoing service cables, with proper offsets in bas bars for cable terminations. Feeder Pillar shall be comprising of followine items: 1 TYPE-A Rating of incomer MCCB TPN 250 A, 35KA (Adjustable thermal OL with Ics = 100% Ean.) Ottagoing Bakelite fuse base and holder type HRC fuses, 80KA, of 40A ratinus54 nos. Cl 8 sets of 3 nos each) The feeder pillar should have anti-tleft tamper proof feature to automatically send SMS alert if door opening is attempted by manufaction depend. The feeder pillar should have anti-tleft tamper proof feature to automatically send SMS alert if door opening is attempted by manufaction for foundation etc with M20 grade RCC complete with contenting, shuttering and reinforcement as per design University of the such as a proposal proposal probability of the providing in a temp						
The feeder pillar shall be complete with base bars, wiring, cabling of proper ratings (not less than 1.5 lims the rating of respective switchgears, control gear etc.) for inter connection between switch gear, control gear, entering, safety relays, inclicators etc. as per the approved single line diagram. The feeder pillar shall have proper arrangement for termination of all incoming and out goings cables. All the bas bas shall be supported on epoxy supports and shall be insolated with colour coded heat shrinkable sleeves. Feeder pillar shall be as per the space available at site. It shall have earthing bus long the width of feeder pillar. Note:—The GA drawing for panel should be approved by consultant / engineer in charge before fabrication. The feeder pillar shall have space and proper arrangements for installation of incoming and outgoing MCCBs with R,V,B LED type indicating lamps. HRC tuse bases, MCBs etc. complete with interconnection provisions with providing wiring and bus bars with required hardware, sleeves, farrules, supporters, locks etc. Panel shall have proper space and arrangements for termination of incomer foop in loop out cables, outgoing service cables, with proper officis in bus bars for cable terminations. Feeder Pillar shall be comprising of fallowing tienze. 1 TYPE-A Rating of incomer MCCB TPN 250 A, 35KA (Adjustable thermal O.I. with 16z = 100% 1co.) Outgoing Balceline line base and holder type HRC fuses, 80KA, of 40A rating54 nos. (18 sets of 3nos each) TYPE-B Rating of incomer MCCB TPN 125 A, 35KA (Adjustable thermal O.I. with 16z = 100% 1co.) Outgoing Balceline line base and holder type HRC fuses, 80KA, of 40A rating54 nos. (18 sets of 3nos each) TYPE-B Rating of incomer MCCB TPN 125 A, 35KA (Adjustable thermal O.I. with 16z = 100% 1co.) Outgoing Balceline these base and holder type HRC fuses, 80KA, of 40A rating27 nos. (9 sets of 3nos each) Type and installation of MS Hot dip galvanised 14 SWG thick perforated cable trays complete with jointing accessories and						
of proper ratings (not less than 1.5 times the rating of respective switchgears, control gear etc.) for inter connection between switch gear, control gear, metering, safety relays, indicators etc. as per the approved single line diagram. The feeder pillar shall have proper arrangement for termination of all incoming and out goings cables. All the bus bars shall be supported on epoxy supports and shall be insulated with colour coded heat shrinkabe sleeves. Feeder pillar shall be as per the space available at site. It shall have earthing bots at both sides inter connected with 50.5 mm Al earthing bus along the width of feeder pillar. Note: The GA drawing for panel should be approved by consultant / engineer in charge before flabraction. The feeder pillar shall have space and proper arrangements for installation of incoming and outgoing MCCBs with Ry, 19. LED type including lamps. HRC fuse bases, MCBs etc. complete with interconnection provisions with providing wiring and bus bars with required hardware, sleeves, ferrules, supporters, locks etc. Panel shall have proper space and arrangements for termination of incomer loop in loop out cables, outgoing service cables, with proper offsets in bus bars for cable terminations. Feeder Pillar shall be comprising of followine items: 1 TYPE-A Raing of incomer MCCB TPN 250 A, 35KA (Adjustable thermal O.I., with Ics = 100% Eu.) Otugoing Bakelite fuse base and holder type HRC fuses, 80KA, of 40A rating 43 ms. of 18 sets of 3 ms. etc.) The feeder pillar should have anti-theft tamper proof feature to automatically send and shall have anti-theft tamper proof feature to automatically send SMS alert if door opening is attempted by unauthorised person. Construction of foundation etc with M20 grade RCC complete with unautomated and the shall have anti-theft tamper proof feature to automatically send SMS alert if door opening is attempted by unauthorised person. Construction of foundation etc with M20 grade RCC complete with under the feeder pillar should have anti-theft ta						
switchgears, control gear tecting is afety relays, indicators etc. as per the approved single line diagram. The feeder pillar shall have proper arrangement for termination of all incoming and out goings cables. All the bus bars shall be supported on epoxy supports and shall be insulated with colour coded heat shrinkable sleeves. Feeder pillar shall be as per the space available at size. It shall have earthing bolts at both sides inter connected with 50x5 mm Al earthing bolts at both sides inter connected with 50x5 mm Al earthing bolts at both sides inter connected with 50x5 mm Al earthing bolts and the width of feeder pillar. Note: The GA drawing for panel should be approved by consultant / engineer in charge before fabrication. The feeder pillar shall have space and proper arrangements for installation of incoming and outgoing MCCBs with R.Y.B. LED type indicating lamps. HRC fuse bases, MCBs etc. complete with interconnection provisions with providing writing and bus bars with required hardwars, sleeves, MCBs etc. complete with interconnection provisions with providing writing and bus bars with required hardwars, sleeves, fertules, supporters, locks etc. Panel shall have proper space and arrangements for termination of incomer loop in boop out cables, outgoing service cables, with proper offests in bus bars. For cable terminations. Feeder Pillar shall be comprising of following items. I TYPE-A Rating of incomer MCCB TPN 250 A, 35KA (Adjustable thermat) OL, with les = 100% feat). Outgoing Balectine fine base and holder type HRC fuses, 80KA, of 40A rating, 37 hose, 1 (8 sets of 3 ness each) The feeder pillar should have anti-theft tamper proof feature to automatically sends of MSM alert if door opening is attempted by unauthorised person. Type 1 hose and 1 hose of 1 hose of 1 hose opening is attempted by unauthorised person. Construction of foundation etc with M20 grade RCC complete with centering, shuttering and reinforcement as per design Supply and installation of MS Hot dip galvanised 14 SWG thick p						
gear, control gear, metring, safety relays, indicators etc. as per the approved single line diagram. The feeder pillar shall have proper arrangement for termination of all incoming and out goings cables. All the bus bars shall be supported on epoxy supports and shall be insulated with colour coded heat shrinkable sleeves. Feeder pillar shall be as per the space available at site. It shall have centhing bolts at both sides inter connected with 50.5 mm Al earthing bus along the width of feeder pillar. Note: The GA drawing for panel should be approved by consultant? engineer in charge before fabrication. The feeder pillar shall have space and proper arrangements for installation of incoming and outgoing MCCBs with RyLB LED type indicating lamps. HRC fuse bases, MCBs etc. complete with interconnection provisions with produing wiring and bus bars with required hardware, sleeves, ferrules, supporters, locks etc. Panel shall have proper space and arrangements for termination of incomer loop in loop out cables, ougeing service cables, with proper offsets in bus bars for cable terminations. Feeder Pillar shall be comprising of following items: 1						
the approved single line diagram. The feeder pillar shall have proper arrangement for termination of all incoming and out goings cables. All the bus burs shall be supported on epoxy supports and shall be insulated with colour coded heat shrinkable sleeves. Feeder pillar shall be as port he space available at isie. It shall have earthing bolts at both sides inter connected with 50x5 mm Al earthing bolts at both sides inter connected with 50x5 mm Al earthing bolts at both sides inter connected with 50x5 mm Al earthing bolts at both sides inter connected with 50x5 mm Al earthing bolts and both sides inter connected with 50x5 mm Al earthing bolts and both sides inter connected with 50x5 mm Al earthing bolts and both sides interconnection proper arrangements for installation of incoming and outgoing MCCBs with R.Y.B. LED type indicating lamps. HRC fixe bases, MCBs etc. complete with interconnection provisions with providing wiring and bus bars with required hardware, sleeves, ferrules, supporters, locks etc. Panel shall have proper space and arrangements for termination of incomer loop in loop out cables, outgoing service cables, with proper offsets in bus bars for cable terminations. Feeder Pillar shall be comprising of following items: I TYPE-A Rating of incomer MCCB TPN 250 A, 35KA (Adjustable thermal O.I. with lcs = 100% lcn). Outgoing Bakelite fixe base and holder type HRC fixes, 80KA, of 40A rating,, 54 nos. (18 sekt of 3nos each). The feeder pillar should have anti-theft tamper proof feature to automatically send SMS alert if door opening is attempted by unauthorised person. Outgoing Bakelite fixe base and holder type HRC fixes, 80KA, of 40A rating,, 75 nos. (2 sets of 7nos each). The feeder pillar should have anti-theft tamper proof feature to automatically send SMS alert if door opening is attempted by unauthorised person. Outgoing Bakelite fixe base and holder type HRC fixes, 80KA, of 40A rating,, 75 nos. (2 sets of 7nos each). The feeder pillar should have anti-theft tamper proof feat		switchgears, control gear etc.) for inter connection between switch				
proper arrangement for termination of all incoming and out goings cables. All the bus bars shall be supported on epoxy supports and shall be insulated with colour coded heat shrinkable sleeves. Feeder pillar shall be as per the space available at site. It shall have earthing bots at both sides inter connected with 50×5 mm Al earthing bus along the width of feeder pillar. Note: The GA drawing for panel should be approved by consultant / engineer in charge before fabrication. The feeder pillar shall have space and proper arrangements for installation of incoming and outgoing MCCBs with R.Y. BLED type indicating lamps. HRC fisse bases, MCBs etc. complete with interconnection provisions with providing wiring and bus bars with required hardware, sleeves, ferrules, supporters, locks etc. Panel shall have proper space and arrangements for termination of incomer loop in loop out cables, outgoing service cables, with proper offsets in bus bars for cable terminations. Feeder Pillar shall be comprising of followine idents: I TYPE-A Rating of incomer MCCB TPN 250 A, 35KA (Adjustable thermal OL with less = 100% Ico). Outgoing Bakelite fisse base and holder type HRC fuses, 80KA, of 40A rating		gear, control gear, metering , safety relays, indicators etc. as per				
cables. All the bus bars shall be supported on epoxy supports and shall be insulated with colour coded heat shrinkable sleeves. Feeder pillar shall be as per the space available at site. It shall have earthing bots at both sides inter connected with 50x5 mm Al earthing bus along the width of feeder pillar. Note:-The GA drawing for panel should be approved by consultant / engineer in charge before fabrication. The feeder pillar shall have space and proper arrangements for installation of incoming and outgoing MCCBs with R,Y,B LED type indicating lamps. HRC fuse bases, MCBs etc. complete with interconnection provisions with providing wiring and bus bars with required hardware, sleeves, ferrules, supporters, locks etc. Panel shall have proper space and arrangements for termination of incomer loop in loop out cables, outgoing service cables, with proper offsets in bus bars for cable terminations. Feeder Pillar shall be comprising of followine items: 1 TYPE-A Rating of incomer MCCB TPN 250 A, 35KA (Adjustable thermal OL with les = 100% Leu). Outgoing Bakelite fuse base and holder type HRC fuses, 80KA, of 40A rating ±34 nos. (18 sets of 3nos each) The feeder pillar should have anti-theft tamper proof feature to automatically send SMS alert if door opening is attempted by unauthorised person. II TYPE-B Rating of incomer MCCB TPN 125 A, 35KA (Adjustable thermal OL with les = 100% Leu). Outgoing Bakelite fuse base and holder type HRC fuses, 80KA, of 40A rating ±37 nos. (9 sets of 3nos each) The feeder pillar should have anti-theft tamper proof feature to automatically send SMS alert if door opening is attempted by unauthorised person. Construction of foundation etc with M20 grade RCC complete with centering, shuttering and reinforcement as per design Supply and installation of MS Hot dip galvanised the supplies with united grade and reinforcement as per design. Supply and installation of MS Hot dip galvanised and hardware in underground cable tranches of following sizes: vidth 600 max height 100 mm M		the approved single line diagram. The feeder pillar shall have				
shall be insulated with colour coded heat shrinkable sleeves. Feeder pillar shall be as per the space available at site. It shall have earthing botts at both sides inter connected with 50x5 mm Al earthing bus along the width of feeder pillar. Note:-The GA drawing for panel should be approved by consultant / engineer in charge before fabrication. The feeder pillar shall have space and proper arrangements for installation of incoming and outgoing MCCBs with R.Y.B LED type indicating lamps. HRC fuse bases, MCBs etc. complete with interconnection provisions with providing wiring and bus bars with required hardware, sleeves, ferrules, supporters, locks etc. Panel shall have proper space and arrangements for termination in fincomer loop in loop out cables, outgoing service cables, with proper offsets in bus bars for cable terminations. Feeder Pillar shall be comprising of following items: I TYPE-A Rating of incomer MCCB TPN 250 A, 35KA (Adjustable thermal O/L with less = 100% Leu) Outgoing Bakelite fuse base and holder type HRC fuses, 80KA, of 40A rating,		proper arrangement for termination of all incoming and out goings				
Feeder pillar shall be as per the space available at site. It shall have earthing boils at both sides inter connected with 50x5 mm Al earthing bus along the width of feeder pillar. Note: The GA drawing for panel should be approved by consultant / engineer in charge before fabrication. The feeder pillar shall have space and proper arrangements for installation of incoming and outgoing MCCBs with R.Y.B LED type indicating lamps. HRC fuse bases, MCBs etc. complete with interconnection provisions with providing wiring and bus bars with required hardware, sleeves, ferrules, supporters, locks etc. Panel shall have proper space and arrangements for termination of incomer loop in loop out cables, coutgoing service cables, with proper offsets in bus bars for cable terminations. Feeder Pillar shall be comprising of following items: I TYPE-A Rating of incomer MCCB TPN 250 A, 35KA (Adjustable therman Ol-with less = 100% Icu). Outgoing Bakelite fuse base and holder type HRC fuses, 80KA, of 40A rating ±3 hos., L18 sets of 3nos each) The feeder pillar should have anti-theft tamper proof feature to automatically send SMS alert if door opening is attempted by unauthorised person. II TYPE-B Rating of incomer MCCB TPN 125 A, 35KA (Adjustable thermal Ol-with less = 100% Icu) Outgoing Bakelite fuse base and holder type HRC fuses, 80KA, of 40A rating ±37 nos. 19 sets of 3nos each) The feeder pillar should have anti-theft tamper proof feature to automatically send SMS alert if door opening is attempted by unauthorised person. Construction of foundation etc with M20 grade RCC complete with unauthorised person and the first termination of MS Hot dip galvanisted 14 SWG thick perforated cable trays complete with jointing accessories and hardware in underground cable tranches of following sizes: with 600 mm x height 100 mm Meter 750.00 1500 112500.000 Providing, langua and jointing non pressure (NP2) RCC socket and spiger pipes with rubber gasket jointing including testing of joints. (Conforming to 15, 458-1988, ISI mark		cables. All the bus bars shall be supported on epoxy supports and				
have earthing botts alt obth sides inter connected with 50x5 mm AI earthing bus along the width of feeder pillar. Note: The GA drawing for panel should be approved by consultant / engineer in charge before fabrication. The feeder pillar shall have space and proper arrangements for installation of incoming and outgoing MCCBs with R.Y.B LED type indicating lamps. HRC fuse bases, MCBs etc. complete with interconnection provisions with providing wiring and bus bars with required hardware, sleeves, ferrules, supporters, locks etc. Panel shall have proper space and arrangements for termination of incomer loop in loop out cables, outgoing service cables, with proper offsets in bus bars for cable terminations. Feeder Pillar shall be comprising of followine items: 1 TYPE-A Rating of incomer MCCB TPN 250 A, 35KA (Adjustable thermal O/L with Ics = 100% Icu). Outgoing Bakelite fuse base and holder type HRC fuses, 80KA, of 40A rating54 nos. (18 sets of 3nos each). The feeder pillar should have anti-theft tamper proof feature to automatically send SMS alert if door opening is attempted by unauthorised person. II TYPE-B Rating of incomer MCCB TPN 125 A, 35KA (Adjustable thermal O/L with Ics = 100% Icu) Outgoing Bakelite fuse base and holder type HRC fuses, 80KA, of 40A rating7 nos. (9 sets of 3nos each) The feeder pillar should have anti-theft tamper proof feature to automatically send SMS alert if door opening is attempted by unauthorised person. Construction of foundation etc with M20 grade RCC complete with centering, shuttering and reinforcement as per design Supply and installation of MS Hot dip galvanised 14 SWG thick perforated cable trays complete with jointing accessories and hardware in underground cable tranches of following sizes: 1 width 600 ma height 100 mm Width 600 ma height 100 mm Meter 750.00 1500 1125000.00 Providing, laping and jointing non pressure (NP2) RCC socket and spigot pires with rubber gasket jointing including testing of joints. (Conforming to 1S; 458-1988, ISI marked layi		shall be insulated with colour coded heat shrinkable sleeves.				
have earthing botts alt obth sides inter connected with 50x5 mm AI earthing bus along the width of feeder pillar. Note: The GA drawing for panel should be approved by consultant / engineer in charge before fabrication. The feeder pillar shall have space and proper arrangements for installation of incoming and outgoing MCCBs with R.Y.B LED type indicating lamps. HRC fuse bases, MCBs etc. complete with interconnection provisions with providing wiring and bus bars with required hardware, sleeves, ferrules, supporters, locks etc. Panel shall have proper space and arrangements for termination of incomer loop in loop out cables, outgoing service cables, with proper offsets in bus bars for cable terminations. Feeder Pillar shall be comprising of followine items: 1 TYPE-A Rating of incomer MCCB TPN 250 A, 35KA (Adjustable thermal O/L with Ics = 100% Icu). Outgoing Bakelite fuse base and holder type HRC fuses, 80KA, of 40A rating54 nos. (18 sets of 3nos each). The feeder pillar should have anti-theft tamper proof feature to automatically send SMS alert if door opening is attempted by unauthorised person. II TYPE-B Rating of incomer MCCB TPN 125 A, 35KA (Adjustable thermal O/L with Ics = 100% Icu) Outgoing Bakelite fuse base and holder type HRC fuses, 80KA, of 40A rating7 nos. (9 sets of 3nos each) The feeder pillar should have anti-theft tamper proof feature to automatically send SMS alert if door opening is attempted by unauthorised person. Construction of foundation etc with M20 grade RCC complete with centering, shuttering and reinforcement as per design Supply and installation of MS Hot dip galvanised 14 SWG thick perforated cable trays complete with jointing accessories and hardware in underground cable tranches of following sizes: 1 width 600 ma height 100 mm Width 600 ma height 100 mm Meter 750.00 1500 1125000.00 Providing, laping and jointing non pressure (NP2) RCC socket and spigot pires with rubber gasket jointing including testing of joints. (Conforming to 1S; 458-1988, ISI marked layi		Feeder pillar shall be as per the space available at site. It shall				
earthing bus along the width of feeder pillar. Note:-The GA drawing for panel should be approved by consultant / engineer in charge before fabrication. The feeder pillar shall have space and proper arrangements for installation of incoming and outgoing MCCBs with R.Y.B LED type indicating lamps. HRC fuse bases, MCBs etc. complete with interconnection provisions with providing wiring and bus bars with required hardware, sleeves, ferrules, supporters, locks etc. Panel shall have proper space and arrangements for termination of incomer loop in loop out cables, outgoing service cables, with proper offsets in bus bars for cable terminations. Feeder Pillar shall be comprising of followine items: 1 TYPE-A Rating of incomer MCCB TPN 250 A, 35KA (Adjustable thermal OL with Its = 100% Icu). Outgoing Bakelite fuse base and holder type HRC fuses, 80KA, of 440A rating24 hos. (1 8 set of 3nos cach) The feeder pillar should have anti-theft tamper proof feature to automatically send SMS alert if door opening is attempted by unauthorised person. If TYPE-B Rating of incomer MCCB TPN 125 A, 35KA (Adjustable thermal OL with Its = 100% Icu) Outgoing Bakelite fuse base and holder type HRC fuses, 80KA, of 40A rating27 nos. (9 sets of 3nos cach) The feeder pillar should have anti-theft tamper proof feature to automatically send SMS alert if door opening is attempted by unauthorised person. Construction of foundation etc with M20 grade RCC complete with centering, shuttering and reinforcement as per design Supply and installation of MS Hot dip galvanised 14 SWG thick perforated cable trays complete with jointing accessories and hardware in underground cable tranches of following sizes: 1 width 630 mm x height 100 mm Meter 600.00 1200 600000.00 110 width 300 mm x height 100 mm Meter 500.00 1200 600000.00 110 width 300 mm x height 100 mm Meter 500.00 1200 600000.00 110 00 00000000000000000000						
drawing for panel should be approved by consultant / engineer in charge before fabrication. The feeder pillar shall have space and proper arrangements for installation of incoming and outgoing MCCBs with RY,B LED type indicating lamps. HRC fisse bases, MCBs etc. complete with interconnection provisions with providing wiring and bus bars with required hardware, sleeves, ferrules, supporters, locks etc. Panel shall have proper space and arrangements for termination of incomer loop in loop out cables, outgoing service cables, with proper offsets in bus bars for cable terminations. Feeder Pillar shall be comprising of following items: 1 TYPE-A Rating of incomer MCCB TPN 250 A, 35KA (Adjustable thermal O/L with les = 100% leu). Outgoing Bakelite fisse base and holder type HRC fisses, 80KA, of 40A rating54 nos., (1 8 sets of 3nos each). The feeder pillar should have anti-theft tamper proof feature to automatically send SMS alert if door opening is attempted by unauthorised person. II TYPE-B Rating of incomer MCCB TPN 125 A, 35KA (Adjustable thermal O/L with les = 100% leu). Outgoing Bakelite fisse base and holder type HRC fisses, 80KA, of 40A rating57 nos., (9 sets of 3nos each). The feeder pillar should have anti-theft tamper proof feature to automatically send SMS alert if door opening is attempted by unauthorised person. Construction of foundation etc with M20 grade RCC complete with centering, shuttering and reinforcement as per design Supply and installation of MS Hot dip galvanised 14 SWG thick perforated cable trays complete with jointing accessories and hardware in underground cable tranches of following sizes: width 600 mm x height 100 mm Meter 750.00 1500 1125000.00 III width 450 mm x height 100 mm Meter 500.00 1200 600000.00 Providing, laying and jointing non pressure (NP2) RCC socket and spigot pipes with rubber gasket jointing including testing of joints. (Conforming to 18; 458-1988, ISI marked laying as per IS 783-1985) I 300 mm dia Meter 598.00 1500 89700.00 10 10 225 mm dia		_				
charge before fabrication. The feeder pillar shall have space and proper arrangements for installation of incoming and outgoing MCCBs with R.Y, B. LED type indicating lamps. HRC fuse bases, MCBs etc. complete with interconnection provisions with providing wiring and bus bars with required hardware, sleeves, ferrules, supporters, locks etc. Panel shall have proper space and arrangements for termination of incomer loop in loop out cables, outgoing service cables, with proper offsets in bus bars for cable terminations. Feeder Pillar shall be comprising of followine items: I TYPE-A Rating of incomer MCCB TPN 250 A, 35KA (Adjustable thermal Ol. with les = 100% leu). Outgoing Bakelite fuse base and holder type HRC fuses, 80KA, of 40A rating24 nos. (18 sets of 3 nos each) The feeder pillar should have anti-theft tamper proof feature to automatically send SMS alert if door opening is attempted by unauthorised person. II TYPE-B Each 70000.00 60 420000.00 Rating of incomer MCCB TPN 125 A, 35KA (Adjustable thermal Ol- with les = 100% leu). Outgoing Bakelite fuse base and holder type HRC fuses, 80KA, of 40A rating27 nos. (9 sets of 3 nos each) The feeder pillar should have anti-theft tamper proof feature to automatically send SMS alert if door opening is attempted by unauthorised person. Construction of foundation etc with M20 grade RCC complete with centering, shuttering and reinforcement as per design Supply and installation of MS Hot dip galvanised 14 SWG thick perforated cable trays complete with jointing accessories and hardware in underground cable tranches of following sizes: width 600 mm x height 170 mm Meter 750.00 1500 1125000.00 Width 300 mm x height 175 mm Meter 500.00 1500 1200 600000.00 Providing, laying and jointing non pressure (NP2) RCC socket and spigot pipes with rubber gasket jointing including testing of joints. (Conforming to 15; 458-1988, ISI marked laying as per IS 783,1985).						
proper arrangements for installation of incoming and outgoing MCCBs with R, Y,B LED type indicating lamps. HRC fuse bases, MCBs etc. complete with interconnection provisions with providing wiring and bus bars with required hardware, sleeves, ferrules, supporters, locks etc. Panel shall have proper space and arrangements for termination of incomer loop in loop out cables, outgoing service cables, with proper offsets in bus bars for cable terminations. Feeder Pillar shall be comprising of followine items: I TYPE-A Each 95000.00 90 8550000.00 Rating of incomer MCCB TPN 250 A, 35KA (Adjustable thermal O/L with Ics = 100% Icu). Outgoing Bakelite fuse base and holder type HRC fuses, 80KA, of 40A rating54 nos., 18 sets of 3nos each) The feeder pillar should have anti-theft tamper proof feature to automatically send SMS alert if door opening is attempted by unauthorised person. II TYPE-B Each 70000.00 60 4200000.00 Rating of incomer MCCB TPN 125 A, 35KA (Adjustable thermal O/L with Ics = 100% Icu) Outgoing Bakelite fuse base and holder type HRC fuses, 80KA, of 40A rating27 nos., 19 sets of 3nos each) The feeder pillar should have anti-theft tamper proof feature to automatically send SMS alert if door opening is attempted by unauthorised person. Construction of foundation etc with M20 grade RCC complete with centering, shuttering and reinforcement as per design Supply and installation of MS Hot dip galvanised 14 SWG thick perforated cable trays complete with jointing accessories and hardware in underground cable tranches of following sizes: I width 600 mm x height 100 mm Meter 750.00 1500 1125000.00 Providing, laying and jointing non pressure (NP2) RCC socket and spigot pipes with rubber gasket jointing including testing of joints. (Conforming to IS; 458-1988, ISI marked laying as per IS 783:1985) 1 300 mm dia Meter 598.00 1500 897000.00 10 225 mm dia Meter 598.00 1500 897000.00						
MCCBs with R.Y.B. LED type indicating lamps. HRC fuse bases, MCBs etc. complete with interconnection provisions with providing wiring and bus bars with required hardware, sleeves, ferrules, supporters, locks etc. Panel shall have proper space and arrangements for termination of incomer loop in loop out cables, outgoing service cables, with proper offsets in bus bars for cable terminations. Feeder Pillar shall be comprising of followine items: 1						
HRC fuse bases, MCBs etc. complete with interconnection provisions with providing wiring and bus bars with required hardware, sleeves, ferrules, supporters, locks etc. Panel shall have proper space and arrangements for termination of incomer loop in loop out cables, outgoing service cables, with proper offsets in bus bars for cable terminations. Feeder Pillar shall be comprising of following items: 1						
provisions with providing wiring and bus bars with required hardware, sleeves, ferrules, supporters, locks etc. Panel shall have proper space and arrangements for termination of incomer loop in loop out cables, outgoing service cables, with proper offsets in bus bars for cable terminations. Feeder Pillar shall be comprising of followine items: I TYPE-A Rating of incomer MCCB TPN 250 A, 35KA (Adjustable thermal O.L. with Ics = 100% Icu). Outgoing Bakelite fuse base and holder type HRC fuses, 80KA, of 40A rating54 nos. (1 8 sets of 3nos cach) The feeder pillar should have anti-theft tamper proof feature to automatically send SMS alert if door opening is attempted by unauthorised person. II TYPE-B Rating of incomer MCCB TPN 125 A, 35KA (Adjustable thermal O.L. with Ics = 100% Icu) Outgoing Bakelite fuse base and holder type HRC fuses, 80KA, of 40A rating27 nos. (9 sets of 3nos each) The feeder pillar should have anti-theft tamper proof feature to automatically send SMS alert if door opening is attempted by unauthorised person. Construction of foundation etc with M20 grade RCC complete With centering, shuttering and reinforcement as per design Supply and installation of MS Hot dip galvanised 14 SWG thick 12 perforated cable trays complete with jointing accessories and hardware in underground cable tranches of following sizes: I width 600 mm x height 100 mm Meter 750.00 1500 1125000.00 III width 350 mm x height 100 mm Meter 500.00 1200 600000.00 III width 350 mm x height 100 mm Meter 500.00 1200 600000.00 Providing, laying and jointing non pressure (NP2) RCC socket and spigot pipes with rubber gasket jointing including testing of joints. (Conforming to 1S; 458-1988, ISI marked laying as per IS 783-1985) I 300 mm dia Meter 598.00 1500 897000.00 III 225 mm dia Meter 390.00 1000 390000.00						
hardware, sleeves, Ferrules, supporters, locks etc, Panel shall have proper space and arrangements for termination of incomer loop in loop out cables, outgoing service cables, with proper offsets in bus bars for cable terminations. Feeder Pillar shall be comprising of followine items: I TYPE-A Rating of incomer MCCB TPN 250 A, 35KA (Adjustable thermal O.L. with lcs = 100% lcu). Outgoing Bakelite fuse base and holder type HRC fuses, 80KA, of 40A rating. —34 nos. (18 sets of 3nos each) The feeder pillar should have anti-theft tamper proof feature to automatically send SMS alert if door opening is attempted by unauthorised person. Rating of incomer MCCB TPN 125 A, 35KA (Adjustable thermal O.L. with lcs = 100% lcu) Outgoing Bakelite fuse base and holder type HRC fuses, 80KA, of 40A rating—27 nos. (9 sets of 3nos each) The feeder pillar should have anti-theft tamper proof feature to automatically send SMS alert if door opening is attempted by unauthorised person. Construction of foundation etc with M20 grade RCC complete with centering, shuttering and reinforcement as per design Supply and installation of MS Hot dip galvanised 14 SWG thick 12 perforated cable trays complete with jointing accessories and hardware in underground cable tranches of following sizes: I width 600 mm x height 100 mm Meter 750.00 1500 112500.00 III width 450 mm x height 100 mm Meter 600.00 1800 1000 60000.00 III width 350 mm x height 100 mm Meter 600.00 1800 1200 600000.00 Providing, laying and jointing non pressure (NP2) RCC socket and spigot pipes with rubber gasket jointing including testing of joints. (Conforming to 1S; 458-1988, ISI marked laying as per IS 783:1985) I 300 mm dia Meter 598.00 1500 89700.00 III 225 mm dia Meter 598.00 1500 89700.00						
proper space and arrangements for termination of incomer loop in loop out cables, outgoing service cables, with proper offsets in bus bars for cable terminations. Feeder Pillar shall be comprising of following items: I TYPE-A Each 95000.00 90 8550000.00 Rating of incomer MCCB TPN 250 A, 35KA (Adjustable thermal O.L. with Ics = 100% Icu). Outgoing Bakelite fuse base and holder type HRC fuses, 80KA, of 40A rating54 nos. (18 sets of 3nos each) The feeder pillar should have anti-theft tamper proof feature to automatically send SMS alert if door opening is attempted by unauthorised person. II TYPE-B Each 70000.00 60 420000.00 Rating of incomer MCCB TPN 125 A, 35KA (Adjustable thermal O.L. with Ics = 100% Icu) Outgoing Bakelite fuse base and holder type HRC fuses, 80KA, of 40A rating27 nos. (9 sets of 3nos each) The feeder pillar should have anti-theft tamper proof feature to automatically send SMS alert if door opening is attempted by unauthorised person Construction of foundation etc with M20 grade RCC complete with centering, shuttering and reinforcement as per design Supply and installation of MS Hot dip galvanised 14 SWG thick perforated cable trays complete with jointing accessories and hardware in underground cable tranches of following sizes: I width 600 mm x height 100 mm Meter 750.00 1500 1125000.00 III width 350 mm x height 100 mm Meter 600.00 1800 108000.00 III width 350 mm x height 100 mm Meter 500.00 1200 600000.00 Providing, laying and jointing non pressure (NP2) RCC socket and spigot pipes with rubber gasket jointing including testing of joints. (Conforming to 1S; 458-1988, ISI marked laying as per IS 783:1985) I 300 mm dia Meter 598.00 1500 897000.00 III 225 mm dia Meter 598.00 1500 897000.00						
loop out cables, outgoing service cables, with proper offsets in bus bars for cable terminations. Feeder Pillar shall be comprising of followine items: I TYPE-A Each 95000.00 90 8550000.00 Rating of incomer MCCB TPN 250 A, 35KA (Adjustable thermal O/L with Ics = 100% Icu). Outgoing Bakelite fuse base and holder type HRC fuses, 80KA, of 40A rating		= =				
bars for cable terminations. Feeder Pillar shall be comprising of following items: 1 TYPE-A Rating of incomer MCCB TPN 250 A, 35KA (Adjustable thermal O/L, with Ics = 100% Icu). Outgoing Bakelite fuse base and holder type HRC fuses, 80KA, of 40A rating,54 nos. (18 sets of 3nos each) The feeder pillar should have anti-theft tamper proof feature to automatically send SMS alert if door opening is attempted by unauthorised person. II TYPE-B Rating of incomer MCCB TPN 125 A, 35KA (Adjustable thermal O/L, with Ics = 100% Icu) Outgoing Bakelite fuse base and holder type HRC fuses, 80KA, of 40A rating,27 nos. (9 sets of 3nos each) The feeder pillar should have anti-theft tamper proof feature to automatically send SMS alert if door opening is attempted by unauthorised person Construction of foundation etc with M20 grade RCC complete with centering, shuttering and reinforcement as per design Supply and installation of MS Hot dip galvanised 14 SWG thick perforated cable trays complete with jointing accessories and hardware in underground cable tranches of following sizes: I width 600 mm x height 100 mm Meter 750.00 1500 1125000.00 Width 450 mm x height 100 mm Meter 750.00 1500 1200 600000.00 Providing, laying and jointing non pressure (NP2) RCC socket and spigot pipes with rubber gasket jointing icluding testing of joints. (Conforming to 1S; 458-1988, ISI marked laying as per IS 783:1985) 1 300 mm dia Meter 598.00 1500 897000.00 II e25 mm dia Meter 598.00 1500 897000.00		F				
I TYPE-A Rating of incomer MCCB TPN 250 A, 35KA (Adjustable thermal O/L with Ics = 100% Icu). Outgoing Bakelite fuse base and holder type HRC fuses, 80KA, of 40A rating54 nos. (18 sets of 3nos each) The feeder pillar should have anti-theft tamper proof feature to automatically send SMS alert if door opening is attempted by unauthorised person. II TYPE-B Each 70000.00 60 4200000.00 Rating of incomer MCCB TPN 125 A, 35KA (Adjustable thermal O/L with Ics = 100% Icu) Outgoing Bakelite fuse base and holder type HRC fuses, 80KA, of 40A rating27 nos. (9 sets of 3nos each) The feeder pillar should have anti-theft tamper proof feature to automatically send SMS alert if door opening is attempted by unauthorised person Construction of foundation etc with M20 grade RCC complete with centering, shuttering and reinforcement as per design Supply and installation of MS Hot dip galvanised 14 SWG thick perforated cable trays complete with jointing accessories and hardware in underground cable tranches of following sizes: I width 600 mm x height 100 mm Meter 750.00 1500 1125000.00 III width 300 mm x height 100 mm Meter 600.00 1800 108000.00 Providing, laying and jointing non pressure (NP2) RCC socket and spigot pipes with rubber gasket jointing including testing of joints. (Conforming to 1S; 458-1988, ISI marked laying as per IS 783:1985) I 300 mm dia Meter 598.00 1500 897000.00 III 225 mm dia Meter 598.00 1500 897000.00						
Rating of incomer MCCB TPN 250 A, 35KA (Adjustable thermal O/L with Ics = 100% Icu). Outgoing Bakelite fuse base and holder type HRC fuses, 80KA, of 40A rating54 nos. (18 sets of 3nos each) The feeder pillar should have anti-theft tamper proof feature to automatically send SMS alert if door opening is attempted by unauthorised person. II TYPE-B Rating of incomer MCCB TPN 125 A, 35KA (Adjustable thermal O/L with Ics = 100% Icu) Outgoing Bakelite fuse base and holder type HRC fuses, 80KA, of 40A rating27 nos. (9 sets of 3nos each) The feeder pillar should have anti-theft tamper proof feature to automatically send SMS alert if door opening is attempted by unauthorised person Construction of foundation etc with M20 grade RCC complete with centering, shuttering and reinforcement as per design Supply and installation of MS Hot dip galvanised 14 SWG thick 12 perforated cable trays complete with jointing accessories and hardware in underground cable tranches of following sizes: I width 600 mm x height 100 mm Meter 750.00 1500 1125000.00 Width 300 mm x height 100 mm Meter 600.00 1800 108000.00 Providing, laying and jointing non pressure (NP2) RCC socket and spigot pipes with rubber gasket jointing including testing of joints. (Conforming to IS; 458-1988, ISI marked laying as per IS 783-1985) I 300 mm dia Meter 590.00 1500 897000.00						
O/L with Ics = 100% Icu). Outgoing Bakelite fuse base and holder type HRC fuses, 80KA, of 40A rating54 nos. (18 sets of 3nos each) The feeder pillar should have anti-theft tamper proof feature to automatically send SMS alert if door opening is attempted by unauthorised person. II TYPE-B Rating of incomer MCCB TPN 125 A, 35KA (Adjustable thermal O/L with Ics = 100% Icu) Outgoing Bakelite fuse base and holder type HRC fuses, 80KA, of 40A rating27 nos. (9 sets of 3nos each) The feeder pillar should have anti-theft tamper proof feature to automatically send SMS alert if door opening is attempted by unauthorised person Construction of foundation etc with M20 grade RCC complete With centering, shuttering and reinforcement as per design Supply and installation of MS Hot dip galvanised 14 SWG thick 12 perforated cable trays complete with jointing accessories and hardware in underground cable tranches of following sizes: I width 600 mm x height 100 mm Meter 750.00 1500 112500.00 Width 300 mm x height 75 mm Providing, laying and jointing non pressure (NP2) RCC socket and spigot pipes with rubber gasket jointing including testing of joints. (Conforming to IS; 458-1988, ISI marked laying as per IS 783:1985) I 300 mm dia Meter 598.00 1500 897000.00 II width 225 mm dia Meter 598.00 1500 897000.00 II 225 mm dia Meter 390.00 1000 39000.00	I		Each	95000.00	90	8550000.00
Outgoing Bakelite fuse base and holder type HRC fuses, 80KA, of 40A rating54 nos. (18 sets of 3nos each) The feeder pillar should have anti-theft tamper proof feature to automatically send SMS alert if door opening is attempted by unauthorised person. Rating of incomer MCCB TPN 125 A, 35KA (Adjustable thermal O/L with Ics = 100% Icu) Outgoing Bakelite fuse base and holder type HRC fuses, 80KA, of 40A rating27 nos. (9 sets of 3nos each) The feeder pillar should have anti-theft tamper proof feature to automatically send SMS alert if door opening is attempted by unauthorised person Construction of foundation etc with M20 grade RCC complete with centering, shuttering and reinforcement as per design Supply and installation of MS Hot dip galvanised 14 SWG thick 12 perforated cable trays complete with jointing accessories and hardware in underground cable tranches of following sizes: I width 600 mm x height 100 mm Meter 750.00 1500 1125000.00 III width 300 mm x height 100 mm Meter 500.00 1200 600000.00 Providing, laying and jointing non pressure (NP2) RCC socket and spigot pipes with rubber gasket jointing including testing of joints. (Conforming to IS; 458-1988, ISI marked laying as per IS 783:1985) I 300 mm dia Meter 598.00 1500 897000.00 III 225 mm dia Meter 598.00 1500 897000.00						
### Ado Pating54 nos. (18 sets of 3nos each) The feeder pillar should have anti-theft tamper proof feature to automatically send SMS alert if door opening is attempted by unauthorised person. ### I TYPE-B Rating of incomer MCCB TPN 125 A, 35KA (Adjustable thermal O/L with Ics = 100% Icu) Outgoing Bakelite fuse base and holder type HRC fuses, 80KA, of 40A rating27 nos. (9 sets of 3nos each) The feeder pillar should have anti-theft tamper proof feature to automatically send SMS alert if door opening is attempted by unauthorised person Construction of foundation etc with M20 grade RCC complete 11 with centering, shuttering and reinforcement as per design Supply and installation of MS Hot dip galvanised 14 SWG thick 12 perforated cable trays complete with jointing accessories and hardware in underground cable tranches of following sizes: #### I width 450 mm x height 100 mm #### Meter ### F50.00 1500 112500.000 #### III width 300 mm x height 100 mm ### Meter ### F50.00 1200 600000.00 #### Providing, laying and jointing non pressure (NP2) RCC socket and spigot pipes with rubber gasket jointing including testing of joints. (Conforming to 1S; 458-1988, ISI marked laying as per IS 783:1985) #### Adouted the pillar in the pilla		O/L with Ics = 100% Icu).				
The feeder pillar should have anti-theft tamper proof feature to automatically send SMS alert if door opening is attempted by unauthorised person. II TYPE-B						
automatically send SMS alert if door opening is attempted by unauthorised person. II TYPE-B Rating of incomer MCCB TPN 125 A, 35KA (Adjustable thermal O/L with Ics = 100% Icu) Outgoing Bakelite fuse base and holder type HRC fuses, 80KA, of 40A rating27 nos. (9 sets of 3nos each) The feeder pillar should have anti-theft tamper proof feature to automatically send SMS alert if door opening is attempted by unauthorised person Construction of foundation etc with M20 grade RCC complete with centering, shuttering and reinforcement as per design Supply and installation of MS Hot dip galvanised 14 SWG thick perforated cable trays complete with jointing accessories and hardware in underground cable tranches of following sizes: I width 600 mm x height 100 mm Meter 750.00 1500 112500.00 Width 450 mm x height 100 mm Meter 600.00 1800 108000.00 Width 300 mm x height 75 mm Meter 500.00 1200 600000.00 Providing, laying and jointing non pressure (NP2) RCC socket and spigot pipes with rubber gasket jointing including testing of joints. (Conforming to IS; 458-1988, ISI marked laying as per IS 783:1985) I 300 mm dia Meter 598.00 1500 897000.00 II 225 mm dia Meter 390.00 1000 39000.00						
Unauthorised person. Each 70000.00 60 4200000.00						
II TYPE-B Rating of incomer MCCB TPN 125 A, 35KA (Adjustable thermal O/L with Ics = 100% Icu) Outgoing Bakelite fuse base and holder type HRC fuses, 80KA, of 40A rating27 nos. (9 sets of 3nos each) The feeder pillar should have anti-theft tamper proof feature to automatically send SMS alert if door opening is attempted by unauthorised person Construction of foundation etc with M20 grade RCC complete with centering, shuttering and reinforcement as per design Supply and installation of MS Hot dip galvanised 14 SWG thick perforated cable trays complete with jointing accessories and hardware in underground cable tranches of following sizes: I width 600 mm x height 100 mm Meter 750.00 1500 112500.00 III width 450 mm x height 100 mm Meter 600.00 1800 108000.00 Width 300 mm x height 75 mm Meter 500.00 1200 600000.00 Providing, laying and jointing non pressure (NP2) RCC socket and spigot pipes with rubber gasket jointing including testing of joints. (Conforming to 1S; 458-1988, ISI marked laying as per IS 783:1985) I 300 mm dia Meter 598.00 1500 897000.00 II Weter 598.00 1500 897000.00 II One 39000.00 II Meter 598.00 1500 897000.00						
Rating of incomer MCCB TPN 125 A, 35KA (Adjustable thermal O/L with Ics = 100% Icu) Outgoing Bakelite fuse base and holder type HRC fuses, 80KA, of 40A rating27 nos. (9 sets of 3nos each) The feeder pillar should have anti-theft tamper proof feature to automatically send SMS alert if door opening is attempted by unauthorised person Construction of foundation etc with M20 grade RCC complete With centering, shuttering and reinforcement as per design Supply and installation of MS Hot dip galvanised 14 SWG thick 12 perforated cable trays complete with jointing accessories and hardware in underground cable tranches of following sizes: I width 600 mm x height 100 mm Meter 750.00 1500 1125000.00 III width 450 mm x height 100 mm Meter 600.00 1800 108000.00 Providing, laying and jointing non pressure (NP2) RCC socket and spigot pipes with rubber gasket jointing including testing of joints. (Conforming to IS; 458-1988, ISI marked laying as per IS 783:1985) I 300 mm dia Meter 598.00 1500 897000.00 III 225 mm dia Meter 390.00 1000 39000.00	II		Each	70000.00	60	4200000.00
O/L with Ics = 100% Icu) Outgoing Bakelite fuse base and holder type HRC fuses, 80KA, of 40A rating27 nos. (9 sets of 3nos each) The feeder pillar should have anti-theft tamper proof feature to automatically send SMS alert if door opening is attempted by unauthorised person Construction of foundation etc with M20 grade RCC complete with centering, shuttering and reinforcement as per design Supply and installation of MS Hot dip galvanised 14 SWG thick perforated cable trays complete with jointing accessories and hardware in underground cable tranches of following sizes: I width 600 mm x height 100 mm Meter 750.00 1500 1125000.00 III width 450 mm x height 100 mm Meter 600.00 1800 1080000.00 III width 300 mm x height 75 mm Meter 500.00 1200 600000.00 Providing, laying and jointing non pressure (NP2) RCC socket and spigot pipes with rubber gasket jointing including testing of joints. (Conforming to 1S; 458-1988, ISI marked laying as per IS 783:1985) I 300 mm dia Meter 598.00 1500 897000.00 III 225 mm dia Meter 390.00 1000 390000.00				, 0000.00	30	.200000.00
Outgoing Bakelite fuse base and holder type HRC fuses, 80KA, of 40A rating27 nos. (9 sets of 3nos each) The feeder pillar should have anti-theft tamper proof feature to automatically send SMS alert if door opening is attempted by unauthorised person Construction of foundation etc with M20 grade RCC complete With centering, shuttering and reinforcement as per design Supply and installation of MS Hot dip galvanised 14 SWG thick 12 perforated cable trays complete with jointing accessories and hardware in underground cable tranches of following sizes: I width 600 mm x height 100 mm Meter 750.00 1500 1125000.00 III width 450 mm x height 100 mm Meter 600.00 1800 1080000.00 Providing, laying and jointing non pressure (NP2) RCC socket and spigot pipes with rubber gasket jointing including testing of joints. (Conforming to IS; 458-1988, ISI marked laying as per IS 783:1985) I 300 mm dia Meter 598.00 1500 897000.00 III width 225 mm dia Meter 390.00 1000 390000.00						
40A rating27 nos. (9 sets of 3nos each) The feeder pillar should have anti-theft tamper proof feature to automatically send SMS alert if door opening is attempted by unauthorised person Construction of foundation etc with M20 grade RCC complete With centering, shuttering and reinforcement as per design Supply and installation of MS Hot dip galvanised 14 SWG thick 12 perforated cable trays complete with jointing accessories and hardware in underground cable tranches of following sizes: I width 600 mm x height 100 mm Meter 750.00 1500 1125000.00 III width 300 mm x height 75 mm Meter 600.00 1800 1080000.00 Providing, laying and jointing non pressure (NP2) RCC socket and spigot pipes with rubber gasket jointing including testing of joints. (Conforming to IS; 458-1988, ISI marked laying as per IS 783:1985) I 300 mm dia Meter 598.00 1500 897000.00 III Weter 390.00 1000 390000.00						
The feeder pillar should have anti-theft tamper proof feature to automatically send SMS alert if door opening is attempted by unauthorised person Construction of foundation etc with M20 grade RCC complete With centering, shuttering and reinforcement as per design Supply and installation of MS Hot dip galvanised 14 SWG thick perforated cable trays complete with jointing accessories and hardware in underground cable tranches of following sizes: I width 600 mm x height 100 mm Meter 750.00 1500 1125000.00 III width 450 mm x height 100 mm Meter 600.00 1800 1080000.00 III width 300 mm x height 75 mm Meter 500.00 1200 600000.00 Providing, laying and jointing non pressure (NP2) RCC socket and spigot pipes with rubber gasket jointing including testing of joints. (Conforming to IS; 458-1988, ISI marked laying as per IS 783:1985) I 300 mm dia Meter 598.00 1500 897000.00 III 225 mm dia Meter 390.00 1000 390000.00		40A rating27 nos. (9 sets of 3nos each)				
Unauthorised person Construction of foundation etc with M20 grade RCC complete with centering, shuttering and reinforcement as per design Supply and installation of MS Hot dip galvanised 14 SWG thick 12 perforated cable trays complete with jointing accessories and hardware in underground cable tranches of following sizes: I width 600 mm x height 100 mm Meter 750.00 1500 1125000.00 III width 300 mm x height 100 mm Meter 600.00 1800 1080000.00 Providing, laying and jointing non pressure (NP2) RCC socket and spigot pipes with rubber gasket jointing including testing of joints. (Conforming to IS; 458-1988, ISI marked laying as per IS 783:1985) I 300 mm dia Meter 598.00 1500 897000.00 III 225 mm dia Meter 390.00 1000 390000.00						
Construction of foundation etc with M20 grade RCC complete with centering, shuttering and reinforcement as per design Supply and installation of MS Hot dip galvanised 14 SWG thick perforated cable trays complete with jointing accessories and hardware in underground cable tranches of following sizes: I width 600 mm x height 100 mm Meter 750.00 1500 1125000.00 III width 300 mm x height 100 mm Meter 600.00 1800 1080000.00 III width 300 mm x height 75 mm Meter 500.00 1200 600000.00 Providing, laying and jointing non pressure (NP2) RCC socket and spigot pipes with rubber gasket jointing including testing of joints. (Conforming to IS; 458-1988, ISI marked laying as per IS 783:1985) I 300 mm dia Meter 598.00 1500 897000.00 II 225 mm dia Meter 390.00 1000 390000.00						
Cu. Meter 6800.00 650 4420000.00						
with centering, shuttering and reinforcement as per design Supply and installation of MS Hot dip galvanised 14 SWG thick perforated cable trays complete with jointing accessories and hardware in underground cable tranches of following sizes: I width 600 mm x height 100 mm Meter 750.00 1500 1125000.00 III width 450 mm x height 100 mm Meter 600.00 1800 1080000.00 III width 300 mm x height 75 mm Meter 500.00 1200 600000.00 Providing, laying and jointing non pressure (NP2) RCC socket and spigot pipes with rubber gasket jointing including testing of joints. (Conforming to IS; 458-1988, ISI marked laying as per IS 783:1985) I 300 mm dia Meter 598.00 1500 897000.00 II 225 mm dia Meter 390.00 1000 390000.00	11	Construction of foundation etc with M20 grade RCC complete	Cu Mata	6000 00	650	4420000 00
Supply and installation of MS Hot dip galvanised 14 SWG thick perforated cable trays complete with jointing accessories and hardware in underground cable tranches of following sizes: I width 600 mm x height 100 mm Meter 750.00 1500 1125000.00 III width 450 mm x height 100 mm Meter 600.00 1800 1080000.00 III width 300 mm x height 75 mm Meter 500.00 1200 600000.00 Providing, laying and jointing non pressure (NP2) RCC socket and spigot pipes with rubber gasket jointing including testing of joints. (Conforming to IS; 458-1988, ISI marked laying as per IS 783:1985) I 300 mm dia Meter 598.00 1500 897000.00 II 225 mm dia Meter 390.00 1000 390000.00	11	with centering chuttering and rainforcement as nor design	Cu. Meter	0800.00	630	4420000.00
12 perforated cable trays complete with jointing accessories and hardware in underground cable tranches of following sizes: I width 600 mm x height 100 mm Meter 750.00 1500 1125000.00						
hardware in underground cable tranches of following sizes: I width 600 mm x height 100 mm Meter 750.00 1500 1125000.00 II width 450 mm x height 100 mm Meter 600.00 1800 1080000.00 III width 300 mm x height 75 mm Meter 500.00 1200 600000.00 Providing, laying and jointing non pressure (NP2) RCC socket and spigot pipes with rubber gasket jointing including testing of joints. (Conforming to IS; 458-1988, ISI marked laying as per IS 783:1985) I 300 mm dia Meter 598.00 1500 897000.00 II 225 mm dia Meter 390.00 1000 390000.00						
I width 600 mm x height 100 mm Meter 750.00 1500 1125000.00	12	pertorated cable trays complete with jointing accessories and				
I width 600 mm x height 100 mm Meter 750.00 1500 1125000.00		hardware in underground cable tranches of following sizes:				
II width 450 mm x height 100 mm Meter 600.00 1800 1080000.00	I		Meter	750.00	1500	1125000.00
III width 300 mm x height 75 mm Meter 500.00 1200 600000.00	II	width 450 mm x height 100 mm				1080000.00
Providing, laying and jointing non pressure (NP2) RCC socket and spigot pipes with rubber gasket jointing including testing of joints. (Conforming to IS; 458-1988, ISI marked laying as per IS 783:1985) I 300 mm dia Meter 598.00 1500 897000.00 II 225 mm dia Meter 390.00 1000 390000.00	-	_				600000.00
Spigot pipes with rubber gasket jointing including testing of joints. (Conforming to IS; 458-1988, ISI marked laying as per IS 783:1985) I 300 mm dia Meter 598.00 1500 897000.00 II 225 mm dia Meter 390.00 1000 390000.00						
Conforming to IS; 458-1988, ISI marked laying as per IS 783:1985) I 300 mm dia Meter 598.00 1500 897000.00 II 225 mm dia Meter 390.00 1000 390000.00	12					
783:1985) I 300 mm dia Meter 598.00 1500 897000.00 II 225 mm dia Meter 390.00 1000 390000.00	13					
П 225 mm dia Meter 390.00 1000 390000.00		783:1985)				
	I		Meter	598.00	1500	897000.00
III 150 mm dia Meter 339.00 900 305100.00	II	225 mm dia	Meter	390.00	1000	390000.00
	III	150 mm dia	Meter	339.00	900	305100.00

	In the state of th		T		T
	Supplying and installing double wall corrugated pipes (DWC) of				
	HDPE (IS 14930 Part-II marked) for cable laid underground with				
14	necessary connecting sockets / couplings, tees below road / ground				
	surface, including excavation, back filling with excavated material				
	with ramming and making the surface good		207.00	20000	5210000 00
I	50 mm outside dia	Meter	207.00	30000	6210000.00
II	63 mm outside dia	Meter	210.00	25000	5250000.00
III	110 mm outside dia	Meter	309.00	15000	4635000.00
1.5	Supply of support for overhead line RS joist / H-beam of I.S.				
15	standard including welding, drilling of required hole etc. complete as required.				
	H-Beam 152x152mm, Std weight 37.1 kg per meter	Meter	1977.00	1006	1988862.00
	Erection of steel tubular or steel rail pole or H-Beam of length		2,,,,,,		
	exceeding 10 meters but not exceeding 13 meters in cement				
16	concrete 1:3:6 (1 cement :3 coarse sand: 6 graded stone aggregate	Each	2563.00	82	210166.00
10	40mm nominal size) foundation , base padding & muffing	Lucii	2303.00	02	210100.00
	including excavation and refilling etc. as required.(4.55 bags of				
	cement/cmt.) Supplying and erection of 11kV pin insulator complete with large				
17	steel head G.I. pin, nut, washer etc. as required.	Set	375.00	120	45000.00
	Supplying and erection of 11kV disc insulator for 11kV overhead				
18	lines with galvanised insulator fittings, ball and socket type, and	Set	1089.00	120	130680.00
16	complete with galvanised strain clamp, bolts, nuts washer etc. as	Sei	1089.00	120	130060.00
	required.				
10	Painting of Pole Bracket cable Protecting Pipe and its clamps in				
19	two coatings of All enamel based Primer as directed by Engineer- Charge.				
	Primer Cost over new Steel and other metallic surface with red				
	oxide/zinc chromide paint complete with supply of material labour	Sqm	21.00	200	4200.00
	etc. Including preparation of Surface.	•			
20	Primer cost with aluminium paint, brushing complete with material	Sqm	28.00	200	5600.00
	and labour including preparation of surface.	oqm	20.00	200	2000.00
	Supplying installing and testing of AB isolating switch assembly set				
	gang operated suitable for 11/0.4 KV, DP structure with brass part				
21	contacts, operating rod with required GI pipe, handle locking				
	arrangement on On-Off position conforming to IS complete with				
	required material and installing on existing structure to complete				
	the job as required as per specification.				
a	11 kV	Set	7099.00	10	70990.00
	Supplying and erection of three piece nonlinear resistor type lighting arrestor suitable for 3 wire, 11kV overhead lines with				
22	rated voltage of 9kV (rms) with a nominal discharge current rating	Set	4284.00	25	107100.00
	of 5 KA and complete with galvanised clamping arrangement, G.I.	500	120 1100	20	10/100.00
	bolts, nuts, washer etc. as required.				
	Supplying and drawing All Aluminium Alloy conductor (AAAC)				
	of approved make confirming to IS 398-1979 Pt. IV, including				
23	binding at existing insulator, jointing, jumpering, tearing off,				
	connecting etc. as required including clearing of obstacles (if any)				
a	0.075 sq.inch / 48 sq.mm Alloy Aluminium Conductor	KM	59138.00	1	59138.00
и	Supplying and erection of stay set complete (Galvanized) with	15171	37136.00		37136.00
	19mm.dia 1.8 meter long stay rod, ancher plate of size 300mm x				
	300 mm x 6.4mm thimble stay clamps, bow tightener, 7/3.15 dia				
24	G.I. stay wire and strain insulator etc. in cement concrete 1:3:6 (1	Each	2634.00	42	110628.00
	Cement: 3 Coarse and: 6 granded stone aggregate 40mm nominal				
	size) foundationincluding excavation and refilling etc. as required. Supplying of angle/channel flat iron fitting for overhead lines such				
25	as cross arms, clamps, brackets, welding and other necessary	KG	54.00	4500	243000.00
	materials as per specifications.				
	Supply, installation, testing and commissioning of set of two nos				
	VCBs type, 1000A, 11KV, 20KA, SF6 insulated Ring Main unit				
26	for supplying ring feeders for 11KV with o/c, s/c and e/f protection	Each	900000.00	1	900000.00
	relays, metering unit complete with motorised remote operation				
	through SCADA Dismantling of existing HT/ LT overhead power system lines		1		
	complete with all associated items like poles, conductors,				
	insulators, overhead cables, wires, stay, studs, MS structure,	***	2		
27	transformers, AB sw, DO fuse, LA, LT box, street lights,	KM	250000.00	6.2	1550000.00
	switching box etc and depositing the same in MPPKVVCL / IMC				
	stores		ļ		
28	Supply and installation of approved type precast RCC cable cover	Each	31.00	4000	124000.00
	class HV / LV of size 300x180x40 mm		1		1

29	upply, installation, testing and commissioning of SF6 insulated IKV T type Ring Main Unit having Three nos. load break olators with Earth switch suitable for termination of 11KV cable neach isolator. upply, installation, testing and commissioning of SF6 insulated IKV T type Ring Main Unit having one no vacuum circuit reaker 630 amp rating and Three nos. load break isolators with arth switch suitable for termination of 11KV cable on each olator. upply, installation, testing and commissioning of SF6 insulated IKV T type Ring Main Unit having Two nos. vaccum circuit reaker 630 amp rating and Two nos. load break isolators with arth switch suitable for termination of 11KV cable on each olator. Us fabrication work complete with primer and two coats of final aint in MS sheet, angle, channel, strip inclusive of supply of all anterial, hardware and installation at site. Oil excavation for laying of HT/LT cable at the depth of 0.9 to 1.2 atrs and refilling the same after cable laying. upply & Fixing of 11KV Danger Plates as per Specification of	Each Each KG	300000.00 498000.00 619000.00	5 20 5	9960000.00
30 bre Ear isol Sup 111 31 bre Ear isol MS 32 pai mar 33 Soi 34 Dis spe Yar 2772	IKV T type Ring Main Unit having one no vacuum circuit reaker 630 amp rating and Three nos. load break isolators with arth switch suitable for termination of 11KV cable on each olator. upply, installation, testing and commissioning of SF6 insulated 1KV T type Ring Main Unit having Two nos. vaccum circuit reaker 630 amp rating and Two nos. load break isolators with arth switch suitable for termination of 11KV cable on each olator. IS fabrication work complete with primer and two coats of final aint in MS sheet, angle, channel, strip inclusive of supply of all laterial, hardware and installation at site. oil excavation for laying of HT/LT cable at the depth of 0.9 to 1.2 atrs and refilling the same after cable laying. upply & Fixing of 11KV Danger Plates as per Specification of	Each			
31 bre Ear isol MS 32 pai ma 33 Soi mtr Sur 34 Dis spe Yar 272	IKV T type Ring Main Unit having Two nos. vaccum circuit reaker 630 amp rating and Two nos. load break isolators with arth switch suitable for termination of 11KV cable on each olator. IS fabrication work complete with primer and two coats of final aint in MS sheet, angle, channel, strip inclusive of supply of all atterial, hardware and installation at site. oil excavation for laying of HT/LT cable at the depth of 0.9 to 1.2 ters and refilling the same after cable laying. upply & Fixing of 11KV Danger Plates as per Specification of		619000.00	5	2005000.00
32 pai mai mai si spe spe yai spe	aint in MS sheet, angle, channel, strip inclusive of supply of all laterial, hardware and installation at site. oil excavation for laying of HT/LT cable at the depth of 0.9 to 1.2 ltrs and refilling the same after cable laying. upply & Fixing of 11KV Danger Plates as per Specification of	KG			3095000.00
33 mtr Sup 34 Dis spe Yac 272	trs and refilling the same after cable laying. upply & Fixing of 11KV Danger Plates as per Specification of		65.00	3200	208000.00
34 Dis spe Yau 272	upply & Fixing of 11KV Danger Plates as per Specification of	Meter	100.00	16010	1601000.00
Yac 272	iscom on the exiting Poles in all respect as per discom pecification.	Each	41.00	400	16400.00
35 Ang Me on etc.	and fencing (5X5 Meter) with chain link mesh conform ISI 721/1989 size (75X75)mm & 8mm gauge of chain link wire with mm thick GI wire on top & bottom of mash, on main bracket of ngel (65X65X5)mm & Bracing with angel (50X50X6)mm of 2.5 leter long 3 Meter with bracket gate & murrom gravel filling all n A class civil work comstruction with accessories, hardwares c. required for completenese, as per attached Specification rawing JSCL Standards and direction of DISCOM.	Rmt	2600.00	1680	4368000.00
lay wit dep col sen HD 36 tho sign HD rest cor exc	orizontal Drilling: Horizontal directional drilling along roads for ying XLPE HT/LT UG Cable for Communication Cable along ith Suitable HDPE Duct at various locations as pointed out by epartmental officers, includes survey of site information officers place includes survey of site information officers place includes survey of site information officers place in single roll, pulling pre reaming pulling DPE duct of suitable size in single roll, pulling HT/LT UG Cable rough installed HDPE duct, providing barricades and necessary gnal lights, closing of pits with excavated earth including cost of DPE pipe, consolidating pit are, including road estoration/Supervision departments, cost of all materials, labour, proveyance, hire charges etc. complete preparation of pit by excavated soil/ hard mourm & refilling compacting surface as it is osition/horizontal drilling across road for cable laying propose ith disturbing present installation as per instruction, guide line etail technical specifications as per direction of engineer in charge	Rmt	2000.00	700	1400000.00
37 Ou	upply, Installation, Testing and Commissioning 11kV, 630KVA, utdoor Package / compact Sub-Station (in compliance IEC 2271-202) shall be consisting of following	Each	3086150.00	35	108015250.00
11k swii Mo Circ stai pov rela	owered micropro- cessor based numerical over current and earth fault elay protection. (Make: ABB India Limited)	1 No.			
Rela	elay shall be of Ashida make of Model No: ADR241S	1 No.			
Pro	rotection CT shall be 40/1A 2.5VA 5P10.	3 Nos.			
	oult Passage Indicator for LBS with Short Circuit and Earth Fault dication	2 No.			
		1 No.			
	, , , ,	3 Nos.			
		1 No.			
	, , , ,	1 No.			
	RTU for SCADA (Make: Chemtrol/ABB)	4.6.1			
		1 Set			
		1 Set			
		1 No.			
		1 No.			

	Space Heater in HT compartment	1 No.	
В	TRANSFORMER		
	630 KVA 11KV/433V DYn11 dry type transformer with off circuit tap links of rating +5% to -5% @2.5%. class of Insulation H , Temp Rise shall be 115 Deg cel. Losses: No Load Losses - 1750Watts (IS Tol), Load Losses - 6600 Watts, Impedance 5% (IS Tol) along with WTI scanner (Make:-ABB/Eq)	1 No.	
С	LVS PANEL - 1000AMPS ALUMINUM BUSBAR (100% FOR PHASE & 50% FOR NEUTRAL, CURRENT DENSITY- 0.8AMP/SQMM) INCOMER FROM TRANSFORMER		
	1000Amps 433V 50KA 4P Electrical Draw Out (EDO) Air Circuit breaker(ACB) with microprocessor based release for over current ,short circuit and earth fault protection PR 121 (Make: ABB India Ltd.)	1 No.	
	Digital Multifunction Meter with Class 1.0 Accuracy with RS 485 port (Make: Rishabh/Secure/Elmeasure)	1 No.	
	R,Y,B,ON/OFF/TRIP Indications.	1 set	
	Outgoing		
	200Amps 433V 36KA 3P+ N Fixed manual Molded Case Circuit breaker (MCCB) with microprocessor based release for over current ,short circuit and earth fault protection. Digital Multifunction Meter with Class 1.0 Accuracy with RS 485 port (Make: Rishabh/Secure/Elmeasure)	4 No	
	125Amps 433V 36KA 3P+ N Fixed manual Molded Case Circuit breaker (MCCB) with thermal Magnetic based release forover current & short circuit fault protectionDigital Multifunction Meter with Class 1.0 Accuracy with RS 485 port (Make: Rishabh/Secure/Elmeasure).	2 No	
D	OUTDOOR ENCLOSURE		
	Outdoor type enclosure having construction of Galvanised Sheet Steel with combination of 2mm thickness for load bearing member and 1.5mm with Non Load bearing member with 4mm HRCA base frame. The Enclosure shall have IPS4 degree of protection for HT & LT switchgear compartment & IP23 degree of protection for Transformer compartment. The enclosure shall be Powder Coated (Colour Light Gray & D.A.Gray). Each compartment will be provided with the door and pad locking arrangement. The Compartment illumination lamp with door operated switch shall be provided for MV & LV compartment.		
E	INTERCONNECTION AND EARTHING		
	Interconnection Between HT switchgear & Transformer using 1Cx3x95 Sq.mm XLPE Single core Aluminium cable & Interconnection between Transformer & LT switchgear using AL. Busbars. Internal earthing connections by using 50 x 6mm GI strips including Transformer neutral.	1 Set	
	Total		

0.00 0.00