

SCHEDULE-B		
UNDERGROUND MAIN ELECTRICAL NETWORK AT COMMERCIAL PARK. (SANAND)		
Sr. No	Particulars of Item	Grand Total in Rs.
1	TOTAL AMOUNT OF SCHEDULE-B: UNDERGROUND MAIN ELECTRICAL NETWORK AT COMMERCIAL PARK	36445067.00
A	TOTAL	36445067.00
B	Welfare Cess @ 1% on A	364450.67
C	Total Amount with Welfare Cess	36809517.67
2	GST @ 18% on C	6625713.18
D	Grand Total including GST & Welfare Cess	43435230.85

SCHEDULE-B									
UNDERGROUND MAIN ELECTRICAL NETWORK AT COMMERCIAL PARK. (SANAND)									
Sr. No.	Particulars of Item	Unit	Supply Qty.	Unit Rate in Rs	Total in Rs	Erection Qty.	Unit Rate in Rs	Total in Rs	Grand Total in Rs.
A	RMU : Supply, Installation, Testing & Commissioning on existing trench of SF6 gas insulated, 630Amp , SCADA compatible 1 Circuit Breaker 2 Isolater Ring Mains Units (CCV RMU) as per the attached specifications: preferably Siemens/Schneider/ABB make as per drawing including civil work i.e. Plinth (Construction of RMU (3-way) RCC foundation as per approved drawing incl. Excavation for foundation including sorting out Dense or Hard soil,100mm thick cement concrete 1:4:8 for foundation, 300mm thick RCC wall in cement concrete 1:2:4 with TMT bar reinforcement 10mm dia 150mm c/c main / vertical bars and 8mm dia 200mm c/c distribution bar including bedding binding and placing in position and formwork of steel sheets so as to give a fair finish including centering, shuttering, strutting and propping etc,incl fabrication & fixing of structural steel 100x50mm M.S. channel box as per drawing etc complete as directed by EIC.(Item rate including of all materials, labours, tools & tackles etc.).	Nos	6.00	419316.0	2515896.00	6.00	24382.00	146292.00	2662188.00
B	RMU : Supply, Installation, Testing & Commissioning of SF6 gas insulated, 630Amp , SCADA compatible Ring Mains Units (RMU) as per the attached specifications: preferably Siemens/Schneider/ABB make as per drawing including civil work i.e. Plinth (Construction of RMU (4-way) RCC foundation as per approved drawing incl. Excavation for foundation including sorting out Dense or Hard soil,100mm thick cement concrete 1:4:8 for foundation, 300mm mm thick RCC walls in cement concrete 1:2:4 with TMT bar reinforcement 10mm dia 150mm c/c main / vertical bars and 8mm dia 200mm c/c distribution bar including bedding binding and placing in position and formwork of steel sheets so as to give a fair finish including centering, shuttering, strutting and propping etc,incl fabrication & fixing of structural steel 100x50mm M.S. channel box as per drawing etc complete as directed by EIC. (Item rate including of all materials, labours, tools & tackles etc.).								
a	1 Circuit Breaker 3 Isolater (CCCV RMU)	Nos	2.00	558096.0	1116192.00	2.00	44018.00	88036.00	1204228.00
C	PSS : Supply,Installation,Testing & Commissioning of 500 KVA, 11/0.433 KV with 3 way RMU (1 CB 2 isolators), Package Substation with RMU , 500 KVA transformer, LT Distribution board, FRTU as directed by engineer in charge. Rates are including the Plinth (Construction of PSS (3-way) RCC foundation as per approved drawing incl. Excavation for foundation including sorting out Dense or Hard soil,100mm thick cement concrete 1:4:8 for foundation, 300mm thick RCC wall,100 mm beam in cement concrete 1:2:4 with TMT bar reinforcement 10mm dia 150mm c/c main / vertical bars and 8mm dia 200mm c/c distribution bar/stirrups including bedding binding and placing in position and formwork of steel sheets so as to give a fair finish including centering, shuttering, strutting and propping etc,incl fabrication & fixing of structural steel 100x50mm M.S. channel box as per drawing etc complete as directed by EIC.(Item rate including of all materials, labours, tools & tackles etc.)	Nos.	9	14,50,000.00	1,30,50,000.00	9	82,833.00	7,45,497.00	1,37,95,497.00
D	HT CABLE : Supply, installation ,Testing & commissioning of 11 kV(E), 3 Core, 300 mm², XLPE Insulated Aluminum Conductor, Armored cable as per enclosed specifications.(Make as approved by UGVCL)	Mtrs							
a	11kV(E), 3 Core, 300 mm ² Laying in Existing Trench	Nos	4810.00	1162.00	5589220.00	4810.00	172.50	829725.00	6418945.00
b	11kV(E), 3 Core, 300 mm ² Laying in Ground	Nos	1846.00	1162.00	2145052.00	1846.00	385.25	711171.50	2856223.50
E	HT CABLE ACCESSARIES:								
a	OUT DOOR KIT: HT push on/heat shrink type end termination preferably 3m(m-seal) or Raychem make at switchgear end boxes, transformer for 3C X 300 mm² 11 kV XLPE Insulated Aluminum Conductor Armored cable as specified with connection of leads including cutting, stripping of cable, insulations, providing compression type terminals, crimping of lugs with suitable crimping tool FOR OUT DOOR application	Nos	5.00	5635.00	28175.00	5.00	1041.00	5205.00	33380.00
b	IN DOOR KIT: HT push on/heat shrink type end termination preferably 3m(m-seal) or Raychem make at switchgear end boxes, transformer 3C X 300 mm² 11 kV XLPE Aluminum Conductor Armored cable as specified with connection of leads including cutting, stripping of cable, insulations, providing compression type terminals, crimping of lugs with suitable crimping tool FOR IN DOOR application	Nos	26.00	4508.00	117208.00	26.00	1041.00	27066.00	144274.00

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Sr. No.	Particulars of Item	Unit	Supply Qty.	Unit Rate in Rs	Total in Rs	Erection Qty.	Unit Rate in Rs	Total in Rs	Grand Total in Rs.
c	STRAIGHT JOINT: HT push on/heat shrink type STRAIGHT JOINT preferably 3m(m-seal) or Raychem make for 3C X300 mm² 11 kV XLPE Aluminium Conductor Armoured cable as specified with connection of leads including cutting,stripping of cable, insulations, providing compression type terminals,crimping of lugs with suitable crimping tool..	Nos.	21.00	6999	146979.00	21.00	1041.00	21861.00	168840.00
F	EARTHING:								
a	EARTHING ELECTRODS: Supplying & erecting of maintained free earthing system comprising of Minimum 17 mm dia 3 mtr Long Earthing Electrode of low carbon steel electrode with 250 microns copper coating + carbon based conductive concrete back fill safe compound(resistivity of less than 0.10 ohm mtr) & copper clamp.	Nos.	109.00	8700.00	948300.00	109.00	1500.00	163500.00	1111800.00
b	EARTHING STRIP: Supply installation & commissioning of earthing conductor 38 x 3mm G.I. strip for pole mounted transformer and up to FSP,RMU as well as connection to be made to the earth pit. Rates inclusive of hot dipped hard wares.	Mtrs.	1199.00	107.00	128293.00	1199.00	52.00	62348.00	190641.00
G	CEI APPROVAL: To prepare lay out, drawings of consumer wise installation and to obtain statutory approval from Electrical Inspector for installation of the system consumer wise.(CEI fees shall be in the scope of UGVCL)	Job				1.00	1,04,120.00	104120.00	104120.00
H	MSP: (Mini Section Pillar) : Supplying and erecting 120x100x40 cms. Mini section pillar fabricated from 4 mm thick Thermosetting Plastic(moulded in a single piece) i.e. Glass Reinforced Polyester Sheet Moulding Compound (SMC) with cable clamps to be burried in ground to have appropriate erection on look uniform unit erected with cement concrete foundation and 45 cms high brick masonry internal supported on both side with internal and outer side locking arrangement with lock and keys in duplicate. Incoming HRC SMC fuse base and knife type links 32 Amp to 250 Amp Capacity copper Busbar with RYB colour coding and insulated strip with all internal connections and entry for incoming 1 Core 300 Sq.mm 4 Nos. and outgoing 5/6 nos. 3.5 core cables of suitable sizes.(As per Technical specification of MSP)	Nos.	57	39445	2248365	57	2082	118674	2367039
I	DRAWING: Preparing complete drawing of entire network as well as individual feeder map showing joints also in AutoCad and providing the same to UGVCL in AutoCad copy as ell as pdf copy and hard copy in six sets. The drawing should be geographical indicating all directions	Job				1.00	25000.00	25000.00	25000.00
J	FENCING: FRP Fencing for RMU and PSS, post shall be made out of FRP Pultruded hollow section of size 50x50x5mm.. and shall be grouted in the ground with c. c. of ratio 1:3:6., Sub frame provided using hollow FRP section 50x25x5mm or FRP angles 50x50x5 at top and bottom and other accessories for fixing of gates etc. Rails shall be made out of FRP notch bars of 12mm dia, Pickets shall be made of flats of size 35x5mm SMC or FRP as per specifications and Drawing NO: UGVCL/R&D/Fencing/FRP/001	RMT	81.60	2700.00	220320.00	81.60	445.00	36312.00	256632.00
K	Push Through: Providing and Laying of HDPE ducts having OD/ID 120/90.mm, minimum thickness 5 mm as per IS (Amendment no. 2 - IS 4984:1995) PE-100, 6kg/cm ² , for 11kv,3C 300mm ² /1.1kv 3.5CX120 mm ² cable/1.1kv 3.5cx240 mm ² cable conforming to IS:4984 at a minimum depth of 1000mm below the road surface by pushthrough method by drilling the road with HDD machine without breaking the road surface for laying of cable for internal GIDC road crossing for enclosing XLPE insulated aluminum armoured cable through the duct as under as per the instructions of EIC.	Mtrs.	450.00	525.00	236250.00	450.00	948.75	426937.50	663187.50

