Bill of Quantity(BOQ)						
	Bill of Quantity for Construction, Erection, Supply, Installation, Testing and Commission	ning of 22 Nos. of				
S.No A	Item Of Work Civil Work	Quantity	Unit Rate (in	n Figures) Amount (in Rs.)		
	For Pump House Earth work in excavation of foundation of structures as per drawing and technical specification, including setting out, construction of					
1	shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material complete as directed by Engineer-in-Charge. (Mechanical Means)					
a	Upto 3m depth	94045.11	Cum	0.00		
b c	3 to 6m depth Above 6m depth	91045.34 109666.14	Cum Cum	0.00 0.00		
2	Pumping out water caused by springs, tidal or river seepage, broken water mains or drains and the like completed as directed by Engineer-in-charge.	1364678.28	KL	0.00		
3	Supply of Z type Hot Rolled Sheet Pile (as per Technical Specification)	682.75	MT	0.00		
4	Driving NS sheet piles of any kind of approved type and size conforming to 15. code in all kinds of soil/ soil invested with gravel, shingle & pebbles, by vibro-sinker including handling, cutting to requisite size, drilling holes, hoisting in position, welding, fabrication of sets of tapper piles, corner piles etc. with clutch bars as may be required including staging, scaffolding and hire charges of driving machinery and equipments, scraping and cleaning piles, painting the surface with one coat of surface primer of approved make and brand and two coats of ready mixed oil bound paint (except red lead and black japan) etc. including all cost of labours, supply and carriage of equipmennits to site (by any mean) as per drawing and direction of the Engineer-in-charge but excluding the cost of sheet piles. NBs: Measurement of area underground to be taken i.e. straight length of pile multiplied by driven length).	19140.80	Sqm	0.00		
5	or pine moupined by driven sheet piles carefully by chain pulley block and rope drum or equivalent arrangement, stacking at site at a suitable location, within a lead of 100 metre from the site of work as per direction of the Engineer-in-charge. Supplying and filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete as	19140.80	Sqm	0.00		
7	directed by Engineer-in-Charge. Plain Cement Concrete in Open Foundation including formwork complete as per Drawing and Technical Specifications complete as	16854.71	Cum	0.00		
	directed by Engineer-in-Charge. M30-Grade For Sub Structure - Reinforced cement concrete in sub-structure including formwork complete as per drawing and	7958.47	cum	0.00		
8	technical specifications complete as directed by Engineer-in-Charge.(With Batching Plant, Transit Mixer and Concrete Pump)					
а	Raft,Divide Wall,Semi Circular wall,Side wall,down stream wall,baffel wall,wearing coat,Stub beams,counter forts pins,Motor floor beams,Slabs.Sevice bav beams,Slabs.Forebav walls,Silt trap.Gate portion & transsion Portion	86842.08	Cum	0.00		
9	Super Structure - Furnishing and Placing Reinforced cement concrete in super-structure as per drawing and Technical Specification					
	including formwork complete as directed by Engineer-in-Charge. (Using Batching Plant, Transit Mixer and Concrete Pump) Footings, Columns-C1 (upto Corbel Beam), Switch Gear-C2, Extra for Service Bay Columns, Stub Columns, FloorSlab, Roof Slab, For DG	9106.30	Cum	0.00		
a b	set & Office Room. Office Room Beams. Iintel Beams and Thrust blocks Columns Above Corbal Beam , Corbal Beams	461.32	Cum	0.00		
С	Control Room Roof Slab, Beams, Main PH Beams, Slabs, Stair Case & Tollets	4598.34	Cum	0.00		
10	Supplying, fitting and placing un-coated HYSD bar reinforcement in foundation complete as per drawing and technical specificationscomplete as directed by Engineer-in-Charge.	9746194.34	Kg	0.00		
11 12	Structural Steel for Gantry Girders confirming to IS:2062-2008 complete as directed by Engineer-in-Charge. Brick masonry work in cement mortar in foundation complete excluding pointing and plastering, as per drawing and technical	110910.00 488.93	Kg Cum	0.00		
13	specifications: With FLY ASH Bricks complete as directed by Engineer-in-Charge. Outside 12 mm cement plaster of mix 1:6 (1 cement : 6 coarse sand) complete as directed by Engineer-in-Charge.	17976.58	Sqm	0.00		
14	15 mm cement plaster on rough side of single or half brick wall of mix complete as directed by Engineer-in-Charge.	17976.58	Sqm	0.00		
15	Finishing walls with water proofing cement paint of approved brand and manufacture and of required shade to give an even shade complete as directed by Engineer-in-Charge.	17976.58	Sqm	0.00		
16	Applying one coat of cement primer of approved brand andmanufacture on wall surface complete as directed by Engineer-in-Charge.	17976.58	Sqm	0.00		
17	Supply & fixing of Rolling shutter made of 80 x 1.25 mm machine rolled GRCA laths, interfocked together through their entire length and jointed together at the ends by endlocks, mounted on specially designed pipe shaft of 50mm dia nominal bore MS B class pipe with brackets, plates, guide channels, stoppers, bottom locking plates and arrangements for inside & outside locking with push-pull operations including cost of hood cover and springs complete, painted with one cost of approved steel primer, bocks, ball bearings, all accessories etc. complete for finished them of work as per specials complete as directed by Engineer-in-Charge.	756.00	Sqm	0.00		
18	Providing and fixing of Casement/ Openable Windows made of pre-painted steel as per IS 513 of 0.85 mm thick galvanized as per IS 277, finish painted with a polysets paint and section for outer frame of 48 x 50 mm, centre mullion of 48 x 50 mm, section for shutter of 48 x 25 mm and the fixed glass beading section should be 12 x 12 mm and the outer frame and mullions to have rebade for glazed shutter with a 20 mm provision for guard bark/grills, bandle, stay, a nos. of stainless steel heavy duty plot hinges provided per shutter and windows fitted with 5 mm thick plain float glass with rubber gaskets including fixing the frames in concrete/masonry wall by means of self expanding screws, Including 16 mm square guard pars with 6" (152.4mm) pitch etc., complete Single shutter Window without vertical mullion for size 20"x10" (600 6mm x 1219.2mm)including cost of all materials, fixtures, labour and HOM of machinery complete as great perspectiations complete as directed by Fignineer-in-Charge.	702.00	Sqm	0.00		
19	Providing and fixing of Vertilatorss made of pre-painted steel as per IS 513 of 0.28 mm thick galvanized as per IS 277, finish painted with a polyester paint and section for outer frame of 48 x 50 mm, centre mullion of 48 x 50 mm, section for Suthet or 48 x 25 mm and the fixed glass beading section should be 12 x 12 mm and the outer frame and mullions to have rebate for glazed shutter with a 20 mm provision for guard barg/gink, handle, stay, z nos. of stainless steel heavy duty prot hinges provided per shutter and windows fitted with 5 mm thick plain float glass with rubber gaskets including fixing the frames in concrete/masonry wall by means of self expanding screws, including 10mm Square guard bars with 6' (152-4mm) pitch etc., complete Single-shutter Window without vertical mullion for size 20°x40° (699.6mm x 1299.2mm)including cost of all materials, fixtures, labour and HOM of machinery complete as per specifications complete as of executed by Fingineer-in-Charge.	5.50	Sqm	0.00		
20	Specifications conjugate as an extensi or primer similar process of the second process o	2216.90	Sqm	0.00		
	direction of E/I. Stone Aggregate	87200.93	Cum	0.00		
	Coarse Sand	43600.47	Cum	0.00		
	Cement Steel	37373.26 9220.28	MT MT	0.00		
22	Providing and fixing in position M.S. ladder 0.50 M wide consisting of 75 x 10 mm M.S. flats as stringers and 16 mm dia M.S. bars in double rows as steps placed at 25 cm of cincluding octs of material and labour involved, wedding, anchoring and applying 3 costs of anticorosive paint. etc. complete as directed by Engineer-in-charge. Providing and constructing contraction joints by Kinging 32 cm wide central built type P/V water stop in single line supported by 10 mm	281.00	Rmt	0.00		
23	dia steel dowel rods on either side at 1 metre interval including cost of all materials, machinery, labour, valcunising joints etc.,	2056.47	Rmt	0.00		
24	complete with all leads as directed by Engineer-in-charge Compound Wall	22.00	Job	0.00		
25 1 ii	For Outfall structure For Pressure Main	22.00	Job	0.00		
1	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth:	24493.00	Cum	0.00		
2	consolidating each deposited layer by ramming and watering lead complete as directed by Engineer-in-Charge. Manufacture, supply and delivery of M.S. Pipes conforming to is 3589/2001 including in lining with cement mortar (1:2) 15mm thick using 4 numbers of 6mm dia M.S.Rings at each end of the pipe and out coating with cement mortar (1:3) 30mm thick by shortcreting or gunetting duly providing wire mesh of size 50x50x3mm including cost of all materials, labour charges, transportation to anywhere in AP, but excluding taxes & duties, etc.complete as directed by Engineer-in-Charge.	24493.00	Cum	0.00		
a	Pressure Main	105.00	Dt	0.00		
i. ii.	1000mm-6mm Thick 1200mm-8mm Thick	185.00 1930.00	Rmt Rmt	0.00 0.00		
iii.	1300mm-8mm Thick	405.00	Rmt	0.00		
iv.	1400mm-8mm Thick 1500mm-8mm Thick	410.00 280.00	Rmt Rmt	0.00 0.00		
vi.	1600mm-10mm Thick	60.00	Rmt	0.00		
vii.	1900mm-12mm Thick 2000mm-12mm Thick	30.00 50.00	Rmt Rmt	0.00 0.00		
ix	2200mm-12mm Thick	200.00	Rmt	0.00		
b i.	Delivery Pipe 700mm-5mm Thick	30.00	Rmt	0.00		
ii.	800mm-5mm Thick	30.00	Rmt	0.00		
iii. iv.	900mm-5mm Thick 1000mm-6mm Thick	60.00 210.00	Rmt Rmt	0.00 0.00		
٧.	1100mm-6mm Thick	90.00	Rmt	0.00		
vi. vii.	1200mm-8mm Thick 1400mm-8mm Thick	30.00 180.00	Rmt Rmt	0.00 0.00		
	For Manifold Manufacture, supply and delivery of M.S. Pipes conforming to is 3589/2001 including in lining with cement mortar (1:2) 15mm thick using 4 numbers of 6mm dia M.S. Rings at each end of the pipe and out coating with cement mortar (1:3) 30mm thick by shortcreting or gunetting duly providing wire mesh of size 50x50x3mm including cost of all materials, labour charges, transportation, but excluding					
1	taxes & duties, etc.complete as directed by Engineer-in-Charge.	9.80	Rmt	0.00		
	1400mm-8mm Thick		RHIL			
i. ii.	1400mm-8mm Thick 1600mm-10mm Thick	10.90	Rmt	0.00		
i. ii. iii.	1400mm-8mm Thick 1800mm-10mm Thick 1800mm-10mm Thick	10.90 22.80	Rmt	0.00		
i. ii. iii. iv. v.	1400mm-8mm Thick	10.90 22.80 82.90 40.50	Rmt Rmt	0.00 0.00 0.00		
i. ii. iii. iv.	1400mm-8mm Thick 1800mm-10mm Thick 1800mm-12mm Thick 2000mm-12mm Thick	10.90 22.80 82.90	Rmt Rmt	0.00 0.00		

	MOVING GANTRY CRANE-CLASS II fabrication, supply, erection, testing and commissioning of adequate capacity Class- II type moving			
1	gantry crane consisting of rail mounted gantry frame, top platform with hand railing, long / cross travel arrangements, rope drums, gear systems, electric motors, electro-magnetic brake system, cabin, control panel, wire rope, ladder, motorised cable reeling drum			
	etc., with all accessories for operating spillway stop log gate elements and river sluice / canal sluice emergency gates including cost of all materials, machinery, labour, etc.,complete with all leads and lifts as directed by Engineer-in-charge			
а	Big Hospital	15.00	Ton	0.00
b	Khagaul - Danapur Near Hitech Hospital	15.00	Ton	0.00
c d	Bakri Bazar Karori chak	15.00 15.00	Ton Ton	0.00 0.00
e	Dasaratha	15.00	Ton	0.00
f	Digha (Near Old Thana)	15.00	Ton	0.00
g h	Nandlal Chhapra Premkunj (Karmalichak)	15.00 15.00	Ton Ton	0.00 0.00
ï	Rajiv Nagar	15.00	Ton	0.00
j	Beur Betaura Pul	15.00	Ton	0.00
k I	Isopur Bramha Ashthan Ghurdaur Nehru Path	15.00 20.00	Ton Ton	0.00 0.00
m	Khanpura	20.00	Ton	0.00
n	Barmutta Canal DPS	20.00	Ton	0.00
0	VERTICAL LIFT GATES/STOP LOGS - ROLLER MOUNTED	20.00	Ton	0.00
2	Design, fabrication, supply, erection, testing and commissioning of fixed wheel type vertical lift service gate consisting of skin plate, vertical and horizontal girders, wheels, stiffensy, lifting brackers, guide rollers, ballast blocks, teflon claded rubber seals etc., with all accessories for river sluice / canal sluice vent including cost of all materials, machinery, bloorup/edling, aligning finishing seal fixing etc.with all leads and lifts, complete as perspecifications and approved drawings as directed by Engineeri-in-charge	212.20	мт	0.00
3	VERTICAL LIFT GATES-EM PARTS Design, fabrication, supply, erection and commissioning of embedded parts consisting of sill beam, slide tracks, seal seats, guide rails, dogging sets for storage of stoplog elements etc., with all accessories for spiliway stop log gates and other vertical lift elements including cost of all materials,machinery, labour, etc., complete as per specifications and approved rhowings as directed by Findinger-in-charge	146.30	МТ	0.00
4	Vertical lift gates and stop log gate elements (SLIDING GATES) Design, fabrication, supply, erection, testing and commissioning of vertical lift gates and stoplog gate elements, consisting of skin plate, horizontal and vertical girders, stiffeners, lifting pins, bronze padded slide block/pearings, guide shoes, rubber seals, clamps etc., with all accessories including cost all materials, machinery, labour, seal fixing etc., complete as per specifications and approved drawings as directed by Engineer-in-charge	150.40	мт	0.00
5	Vertical lift gates and stop log gate elements (SLIDING GATES) Design, fabrication, supply, erection, testing and commissioning of vertical lift gates and stoplog gate elements, consisting of skin plate,horizontal and vertical girders, stiffeners, lifting pins, bronze padded slide blocks/bearings, guide shoes,nubber seals, clamps etc., with all accessories including cost of all materials,machinery, labour, seal fixing etc., complete as per specifications and approved drawings as directed by Engineer-in-chargery	37.00	мт	0.00
6	Design,manufacturing,testing,supply and Erection of trash rack cleaning machine including embedded parts etc.,complete as directed by	15.00	No	0.00
7	Engineer-in-charge Manufacture, Supply and delivery of DI D/F Butterfly Valves, Body and disc of Ductile Iron of grade GGG-40/SG-400/15 or GGG-50/SG-500/7 or Equivalent as per IS1865, IS13896-2 Double eccentrically designed Disc, with renewable soft seal on the disc and Integral Body seaf face of intickel-thromium overlay welding (risons Bonded) micro finished, 100 % leak tight in both directions, Medium free bearings and with minimum thickness of 250 microns Fusion bonded food grade epoxy coating and 1200mm dia. and above food grade liquid Epoxy coating of minimum 150 microns applied to obt bindby and disc inside and outside. Face to face dimensions as per ENSS\$-1/15 13095 body or 15: 13095 long body design standard as per EN 393/IS 5163 Flange drilling as per EN 1092-2/ IS 1538 the Valve should be satisfied for bruied application as directed by Engineer-in-charge.			
i. ii.	700mm 800mm	3.00 3.00	No No	0.00 0.00
iii.	800mm 900mm	9.00	No No	0.00
iv.	1000mm	9.00	No	0.00
V.	1100mm 1200mm	9.00	No	0.00
vi. vii.	1400mm	12.00 18.00	No No	0.00 0.00
С	Cost of Elecro Mechanical Items			
а	Big Hospital Supplied, installed and commissioned Self — water lubricated vertical turbine pumps complete with bowl assembly, suction bell mouth			
1	and strainer, column assembly, discharge head. Bowl Efficiency shall be Not be less than 87% with Vertical hollow shaft LT squirred Lage induction motor, Eff 1 rating having 10%more BHP than that of pump make capable operating on 415 Viots + 1-10%, 3 Phase, 50 Hz +/-3% motor shall be flameproof/weatherproof, totally enclosed fan cooled suitable for installation in Class IDN. I areas, gas groups C & D as per API -Re-Pool Cand Zone-2, Gas Group-1/AI/IR. Temperature Class Talsa per IS: S72 certified by ASEFEFFA, IIK/LCIE, France / CESI, Italy or any other equivalent certificationbodies approved by European EcoNomic Community and FM, USA/ UL, USA or Class-1, Division-I gasgroup IIA & IIB as per IS: 5572 and with IP-S5 protection as per IS: 4691 or equivalent IEC standard complete as directed by Engineer-in-Charge.	2.00	No.	200
2	DPS1: 2:258 m³/hr @ 10.5m Head, Motor 150 kW/74z rpm/415V/TEFC-3Nos Supply, installation, testing and commissioning of 150KW VFD PANEL-3Nos 11kV 63DAmps 20kA for 3 sec. 5F6 insulated Non-Extensible Compact switchgear.Vacuum Circuit Breaker in SF6 insulated Stainless steel enclosure with series trip,self powered microprocessor based numerical over current and Earth Fault (IDMT+Inst.) relay protection	3.00 3.00	No No	0.00
	contection III/V/41SV DY11.1 Oil filled hermatically sealed transformer with corrugated wall, without conservator type of design & Top Bushings for HT & LT with Off load tap switch of rating +5% to -10% @2.5%. Temp Rise - Oil/Winding 40/45 Deg cel. Losses (as per IS 1180 standard Fnerov Efficiency Level 1). 4LSV LT panel of CRCA fabrication with 1.5/Zmm thickness and 800A Aluminum Busbar, 100% for Phase and 50% for neutral, Current			
_	density - 1amp/sqmm consisting of following.2000Amps 415V 50KA 3P Fixed Motorised Type ACB with microprocessor based release for			
3	overcurrent, short circuit and earth fault release (LSIG Release),RYB, ON/OFF/TRIP Indication,Multifunction meter of dass 0.2 with RS495 port, AEG release.Outdoor type enclosure having construction of Galvanised Sheet Steel of thiskness LS,15/mm and 4 mm Base frame. The Enclosure shall have IP54 degree of protection for HT & LT switchgear compartment & IP23 degree of protection for Transformer using XLIPES ingle core Authinium unamourced LIKV cable & Interconnection between HT switchgear Bransformer using XLIPES ingle core Authinium unamourced LIKV cable & Interconnection between Transformer & LT switchgear using Aluminum Busbars. Internal earthing connections including transformer using XLIPES upone core Authority of the State			
3	RS485 port, ACB release.Outdoor type enclosure having construction of Galvanised Sheet Steel of thickness 1.5/2mm and 4 mm Base frame. The Enclosure shall have IP54 degree of protection for HT & LT switchgear compartment & IP23 degree of protection for Transformer compartmentinterconnection Between HT switchgear & Transformer using XLPE Single core Aluminum unarmoured 11KV)	1.00	SET	0.00
4	RS485 port, ACB release Outdoor type enclosure having construction of Galvanised Sheet Steel of thickness 1.5/2mm and 4 mm Base frame. The Enclosure shall have IPS4 degree of protection for IT at IT switchgear compartment & IPS2 degree of protection for Transformer compartment/interconnection Detween HT switchgear & Transformer using XLPE Single core Aluminum unamoured LIKV cable & Interconnection between Transformer & LT switchgear using Aluminum Busbars. Internal earthing connections including transformer neutral by using 50x6 mm GI Strips. ILIV/433V, 1000kVA PSS Supply Installation testing and commissioning of 3 phase and neutral 415V free standing floor mounted indoor LT panel made out of No.16 gauge CRCA sheet steel after 7 tank process and painting with powder costing. The panel shall consists of suitable rating TPN Aluminium busbar, 500A 4 Pole MCCSQ, polial meter CD lightal Ammerter Analog	1.00	SET No	0.00
4 5	RS485 port, ACB release Outdoor type enclosure having construction of Galvanised Sheet Steel of thickness 1.5/2mm and 4 mm Base frame. The Enclosure shall have IPS4 degree of protection for HT & LT switchgear compartment & IPS2 degree of protection for Transformer compartment framework of the IPS4 degree of protection for Transformer compartment framework of the IPS4 degree of protection for Transformer compartment framework of the IPS4 degree of protection for Transformer control to the IPS4 degree of Transformer neutral by using SM6 mm GI Strips. Supply installation testing and commissioning of 3 phase and neutral 415V free standing floor mounted indoor LT panel made out of No.16 gauge CRCA sheet steel after 7 tank process and painting with provider costing. The panel shall consists of suitable rating TPN Allminium busher, SM6 A POle MCGD, plight meter, CTD Digital Ammeter, Analog Selector. Analog LTD Indicator Imsc. Analog LTD London Framework of the IPS4 degree o	1.00	No Rmt	0.00
4	RS485 port, ACB release Outdoor type enclosure having construction of Galvanised Sheet Steel of thickness 1.5/2mm and 4 mm Base finame. The Enclosure shall have IPS4 degree of protection for HT & LT switchgear compartment & IPS2 degree of protection for Transformer compartment framework of the Compartment of the Com	1.00	No	0.00
4 5	RS485 port, ACB release Outdoor type enclosure having construction of Galvanised Sheet Steel of thickness 1.5/2mm and 4 mm Base frame. The Enclosure shall have IPS4 degree of protection for HT act. To witchegar compartment & IPS2 degree of protection for Transformer compartment interconnection between HT switchgear & Transformer using XLPE Single core Aluminum unamoured 11kV cable & Interconnection between Transformer & LT switchgear using Aluminum Busbars. Internal earthing connections including transformer neutral by using 50x6 mm GI Strips. Supply Installation testing and commissioning of 3 phase and neutral 415V free standing floor mounted indoor LT panel made out of No.16 gauge CRCA sheet steel after 7 tank process and painting with powder costing. The panel shall consists of suitable rating TPN Aluminium bushar, 630A 4 Pole, SOAA POLE, MCGAD, gliptal meter, CT Digital Ammeter, Analog selector, Analog LFD indicator lamas. Analog LT current transformer Canacitor hank. Degree of the Compart o	1.00	No Rmt	0.00
4 5 6 7 8	RS485 port, ACB release Outdoor type enclosure having construction of Galvanised Sheet Steel of thickness 1.5/2mm and 4 mm Base frame. The Enclosure shall have IPS4 degree of protection for IT at Lift switchgear compartments. It P22 degree of protection for Tansformer compartment for the Compartment of the Compartme	1.00 100.00 2.00 300.00 250.00	No Rmt No Rmt Rmt	0.00 0.00 0.00 0.00
4 5 6 7 8	RS485 port, ACB release Outdoor type enclosure having construction of Galvanised Sheet Steel of thickness 1.5/2mm and 4 mm Base frame. The Enclosure shall have IPS4 degree of protection for HT act. To witchegar compartment & IPS2 degree of protection for Transformer compartment interconnection between HT switchgear & Transformer using XLPE Single core Aluminum unamoured 11kV cable & Interconnection between Transformer & LT switchgear using Aluminum Busbars. Internal earthing connections including transformer neutral by using 50x6 mm GI Strips. Supply Installation testing and commissioning of 3 phase and neutral 415V free standing floor mounted indoor LT panel made out of No.15 gauge CRCA sheet steel after 7 tank process and painting with powder coating. The panel shall consists of suitable rating TPN Aluminium busher, 630A 4 Pole, SOBA MCCB, LO us bars, 63A 6 A 4 Pole MCCB, Digital meter, CT Digital Ammeter, Analog selector, Analog LFD indicator lamas. Analog 1 To rurent transformer Canaption hank. Design, supply, laying in RCC trench, jointing, testing, commissioning of 11kV, U/G XLPE Aluminium conductor IR X 3 CX 300 Sqmm, confirming to relevant & latest IEC, Indian standards and State electricity regulations. The work shall be inclusive of suply, installation, testing commissioning of all accessories required for laying of 11kV cable as end termination kits, straight through joint kits (suitable for 3 CX 240 Scmm aluminium canductor IR X 3 CX 300 Sqmm, confirming to relevant & latest IEC, Indian standards and State electricity regulations. The work shall be inclusive of suply, installation, testing commissioning of all accessories required for laying of 11kV cable as end termination kits, straight through joint kits (suitable for 1 CX 240 Sqmm, supply, laying in RCC tench, jointing, testing, commissioning of 415V, U/G XLPE Aluminium conductor IR X 3 CX 130 Sqmm, confirming to relevant & latest IEC, Indian standards and State electricity regulations. The work shall be inclusive of suply, installation, Justin	1.00 100.00 2.00 300.00 250.00 3.00	No Rmt No Rmt Rmt No	0.00 0.00 0.00 0.00 0.00
4 5 6 7 8	RS485 port, ACB release Outdoor type enclosure having construction of Galvanised Sheet Steel of thickness 1.5/2mm and 4 mm Base frame. The Enclosure shall have IPS degree of protection for HT act To witchegar compartment it. 1923 degree of protection for Transformer compartment interconnection between HT switchgear as Transformer using XLPE Single core Aluminum unamoured 11kV cable & Interconnection between Transformer & LT switchgear using Aluminum Busbars. Internal earthing connections including transformer neutral by using 50x6 mm GI Strips. Supply Installation testing and commissioning of 3 phase and neutral 415V free standing floor mounted indoor LT panel made out of No.15 gauge CRCA sheet steel after 7 tank process and painting with powder coating. The panel shall consists of suitable rating TPN Aluminium bushar, 630A 4 Pole, SOAA MCRE, GLO us bars, 63A 6 A 4 Pole MCCAD, gligal meter, CT Digital Ammeter, Analog selector, Analog LFD indicator lamas. Analog 11 rurent transformer Canacitor hank. Design, supply, laying in RCC trench, jointing, testing, commissioning of 11kV, UIG XLPE Aluminium conductor IR X 3C X 300 Sqmm, confirming to relevant & latest IEC, Indian standards and State electricity regulations. The work shall be inclusive of suply, installation, testing commissioning of all accessories required for laying of 11kV cables are not termination kit, straight through joint kits (suitable for 3C X 240 Scmm aluminium rathles). Heat strinkable and termination kit (indoor type & Outdoor) for 11kV, IR X 3C X 300 Sqmm, XLPE, Aluminium conductor Armored cables. Design, supply, laying in RCC trench, jointing, testing, commissioning of 41sV, UIG XLPE Aluminium conductor IR X 3C X 300 Sqmm, confirming to relevant & latest IEC, Indian standards and State electricity regulations. The work shall be inclusive of suply installation, Justing commissioning of all accessories required for laying of 11kV cable as end termination kits, straight through joint kits (suitable for 3C X 241 Scmm and maintium analose). In	1.00 100.00 2.00 300.00 250.00	No Rmt No Rmt Rmt	0.00 0.00 0.00 0.00
4 5 6 7 8 9	RS485 port, ACB release Outdoor type enclosure having construction of Galvanised Sheet Steel of thickness 1.5/2mm and 4 mm Base frame. The Enclosure shall have IPS4 degree of protection for HT act IT switchgear compartment it. 1922 degree of protection for Transformer compartment for the IPS4 degree of protection for Transformer using XLPE Single core Aluminum unamoured 11kV cable is Internal earthing connection between Transformer is IT switchgear using Aluminum Busbars. Internal earthing connections including transformer neutral by using 50x6 mm GI Strips. Supply installation testing and commissioning of 3 phase and neutral 415V free standing floor mounted indoor LT panel made out of No.16 gauge CRCA sheet steel after 7 far process and painting with powder costing. The panel shall consists of suitable rating TPN Aluminium bushar, 500A 4 Pole, Sidh ACCB, Out bus bar, 63A 4 60A 4 Pole MCGD, piglal meter, TD gliet Almmeter, Analog selector, Analog LTD indicator lamas. Analog 1.1 current transformer Canacher hand. Design, supply, laying in RCC trench, pointing, testing, commissioning of 11kV, UG KJEF Aluminium conductor IR X 3C X 300 Symm, Design, supply, laying in RCC trench, pointing, testing, commissioning of 11kV using in RCC trench, pointing, testing, commissioning of 11kV using in RCC trench, pointing, testing, commissioning of 11kV using in RCC trench, pointing, testing, commissioning of 11kV using in RCC trench, pointing, testing, commissioning of 11kV using in RCC trench, pointing, testing, commissioning of 11kV using in RCC trench, pointing, testing, commissioning of 11kV using in RCC trench, pointing, testing, commissioning of 11kV using in RCC trench, pointing, testing, commissioning of 11kV using in RCC trench, pointing, testing, commissioning of 11kV using in RCC trench, pointing, testing, commissioning of 11kV using in RCC trench, pointing, testing, commissioning of 11kV cable as end termination kits, straight through joint kits (suitable for X X X X X X X X X X X X X X X X X X X	1.00 100.00 2.00 300.00 250.00 3.00 3.00	No Rmt No Rmt Rmt No No	0.00 0.00 0.00 0.00 0.00
4 5 6 7 8 9 10 11	RS485 port, ACB release Outdoor type enclosure having construction of Galvanised Sheet Steel of thickness 1.5/2mm and 4 mm Base frame. The Enclosure shall have IPS4 degree of protection for IT at Life withches compartment & IPS2 degree of protection for Tansformer compartment factories of the Part of the Compartment of the Part	1.00 100.00 2.00 300.00 250.00 3.00 3.00 1.00	No Rmt No Rmt Rmt No No LS	0.00 0.00 0.00 0.00 0.00 0.00 0.00
4 5 6 7 8 9 10 11 12 b	RS485 port, ACB release Outdoor type enclosure having construction of Galvanised Sheet Steel of thickness 1.5/2mm and 4 mm Base frame. The Enclosure shall have IPS4 degree of protection for HT act. To witches compartment & IPS2 degree of protection for Transformer compartment factories and the Compartment of the Com	1.00 100.00 2.00 300.00 250.00 3.00 3.00 1.00	No Rmt No Rmt Rmt No No LS	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
4 5 6 7 8 9 10 11 12 b	RS485 port, ACB release Outdoor type enclosure having construction of Galvanised Sheet Steel of thickness 1.5/2mm and 4 mm Base frame. The Enclosure shall have IPS4 degree of protection for HT act Townschiper and the Comparison of the Comparison	1.00 100.00 2.00 300.00 250.00 3.00 3.00 1.00	No Rmt No Rmt Rmt No No SET	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
4 5 6 7 8 9 10 11 12 b	REMES port, ACB release Outdoor type enclosure having construction of Galvanised Sheet Steel of thickness 1.5/2mm and 4 mm Base frame. The Enclosure shall have IPS degree of protection for IT at Life withches compartment & IPS2 degree of protection for Transformer compartment factories of the Protection for Transformer compartment factories of the Protection for Transformer compartment factories of the Protection for Transformer control for the Protection of	1.00 100.00 2.00 300.00 250.00 3.00 1.00 1.00	No Rmt No Rmt Rmt No No SET	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
4 5 6 7 8 9 10 11 12 b	RS485 port, ACB release Outdoor type enclosure having construction of Galvanised Sheet Steel of thickness 1.5/2mm and 4 mm Base frame. The Enclosure shall have IPS4 degree of protection for IT at Life witcheges compartment & IPS2 degree of protection for Transformer compartment factorized degree of protection for Transformer compartment factorized degree of protection for Transformer compartment factorized from the Transformer and the IPS4 degree of protection for Transformer neutral by using 50x6 mm GI Strips. ILIV/433Y, 10004W PSS Supply installation testing and commissioning of 3 phase and neutral 415V free standing floor mounted indoor LT panel made out of No.15 gauge CRCA sheet steel after 7 tank process and painting with powder costing. The panel shall consists of suitable rating TPN Alluminum busher, 504A Pole MCCG, but base, 63A 7 604 A Pole MCCG, Digital meter, TD giltal Ammeter, Analog selector, Analon LEP Lindicator Jamas, Analon LT current transformer Canacitor bank. Degree of the Compart of the C	1.00 100.00 2.00 300.00 250.00 3.00 1.00 1.00	No Rmt No Rmt Rmt No No SET	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
4 5 6 7 8 9 10 11 12 b	RS485 port, ACB release Outdoor type enclosure having construction of Galvanised Sheet Steel of thickness 1.5/2mm and 4 mm Base frame. The Enclosure shall have IPS4 degree of protection for HT & LT switchgear compartment & IPS2 degree of protection for Transformer compartment financial connection between HT switchgear using Aluminum Busbars. Internal earthing connections including transformer neutral by using 50x6 mm GI Strips. INIV/433Y, 10004W PSS Supply installation testing and commissioning of 3 phase and neutral 415V free standing floor mounted indoor LT panel made out of No.16 gauge CRCA sheet steel after 7 tank process and painting with powder costing. The panel shall consists of suitable rating TPN Aluminium bushar, 500A + Pole, SolA MCCB, out bus bar, 63A + 60A + Pole MCCB, piglial meter, TD gligtal Ammeter, Analog Selectric, Analog LTD indicator bames. Analog LT current transformer Canacitor bank. Design, supply, laying in RCC trench, jointing, testing, commissioning of 11N, U/G XLPE Aluminium conductor 1R X 2X 300 Sqmm, Design, supply, laying in RCC trench, pining, testing, commissioning of 11N, U/G XLPE Aluminium conductor 1R X 2X 300 Sqmm, Strips of the creating of the calculate for the strips of the calculate for the strips of the calculate for the strips of the stri	1.00 100.00 2.00 300.00 250.00 3.00 1.00 1.00	No Rmt No Rmt Rmt No No SET	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
4 5 6 7 8 9 10 11 12 b	RS485 port, ACB release Outdoor type enclosure having construction of Galvanised Sheet Steel of thickness 1.5/2mm and 4 mm Base frame. The Enclosure shall have IPS degree of protection for IT at Liv switchages compartment it. 1922 degree of protection for Transformer compartment interconnection between HT switchager as Transformer using XLPE Single core Aluminum unamoured 11kV cable & Interconnection between Transformer & LT switchager using Aluminum Busbars. Internal earthing connections including transformer neutral by using 50x6 mm GI Strips. Supply installation testing and commissioning of 3 phase and neutral 415V free standing floor mounted indoor LT panel made out of No.15 gauge CRCA sheet steel after 7 tank process and painting with powder costing. The panel shall consists of suitable rating TPN Aluminium bushar, 5004 A Pole MCCEQ. Out Subsar, 634 A 604 A Pole MCCEQ, Digital meter, TD gliptal Ammeter, Analog selector, Analon LTP Lindicator Jamas, Analon LT current transformer. Canacitor bank. Degree of the Compart of	1.00 100.00 2.00 300.00 250.00 3.00 1.00 1.00	No Rmt No Rmt Rmt No No SET	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
4 5 6 7 8 9 10 11 12 b	RS485 port, ACB release Outdoor type enclosure having construction of Galvanised Sheet Steel of thickness 1.5/2mm and 4 mm Base frame. The Enclosure shall have IPS4 degree of protection for HT ast. To witchgear compartment & IPS2 degree of protection for Transformer compartment financial connection between HT switchgear using Aluminum Busbars. Internal earthing connections including transformer neutral by using 50x6 mm GI Strips. INIV/433Y. 10004WA PSS Supply installation testing and commissioning of 3 phase and neutral 415V free standing floor mounted indoor LT panel made out of No.16 gauge CRCA sheet steel after 7 tank process and painting with powder costing. The panel shall consists of suitable rating TPN Aluminium bushar, 500A 4 Pole MCGD, polital meter, TD glital Ammeter, Analog Selectric Analog LTD indicator lamas. Analog 1.1 current transformer Canacitor bank. Design, 5xpply, 3xpg in RCC trench, politing, testing, commissioning of 11N, U/G XLPE Aluminium conductor 1R X 3 X X 300 Sqmm, confirming to relevant & latest IEC, Indian standards and State electricity regulations. The work shall be inclusive of suply installation confirming to relevant & latest IEC, Indian standards and State electricity regulations. The work shall be inclusive of suply installation confirming to relevant & latest IEC, Indian standards and State electricity regulations. The work shall be inclusive of suply, installation confirming to relevant & latest IEC, Indian standards and State electricity regulations. The work shall be inclusive of suply, installation painting in a RCC trench, jointing, testing, commissioning of 1415V, U/G XLPE Aluminium conductor IR X 3 X X 300 Sqmm, Suply, laying in RCC trench, jointing, testing, commissioning of 415V, U/G XLPE Aluminium conductor IR X 3 X X 300 Sqmm, stephy, suply, laying in RCC trench, jointing, testing, commissioning of 415V, U/G XLPE Aluminium conductor IR X 3 X X 300 Sqmm, stephy, suply, laying in RCC trench, jointing, testing, commissioning of 415V, U/G XLPE Aluminium conductor I	1.00 100.00 2.00 300.00 250.00 3.00 1.00 1.00	No Rmt No Rmt Rmt No No SET	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

4	Supply installation testing and commissioning of 3 phase and neutral 415V free standing floor mounted indoor LT panel made out of No.16 gauge CRCA sheet steel after 7 tank process and painting with powder coating. The panel shall consists of suitable rating TPN	1.00	No	0.00
	Alluminium busbar, 630A 4 Pole, 50kA MCCB, Cu bus bar, 63A / 60A 4 Pole MCCB, Digital meter,CT Digital Ammeter,Analog selector. Anahon LFD indicator lamas. Anahon LT current transformer Canscitor bank Design, supply, Jaying in RCC trench, jointing, testing, commissioning of 11kN, U/C XLPE Aluminium conductor 1R X 3C X 300 Sqmm,			
5	confirming to relevant & latest IEC, Indian standards and State electricity regulations. The work shall be inclusive of suply, instalation, testing commisioning of all accessories required for laying of 11kV cable as end termination kits, straight through joint kits (suitable for 3° X 240 Snmm aliminium cables).	100.00	Rmt	0.00
6	Heat shrinkable and termination kit (indoor type & Outdoor) for 11kV, 1R X 3C X 300 Sqmm, XLPE, Aluminium conductor Armored cables Design, supply, laying in RCC trench, jointing, testing, commissioning of 415V, U/G XLPE Aluminium conductor 1R X 3C X 300 Sqmm,	2.00	No	0.00
7	confirming to relevant & latest IEC, Indian standards and State electricity regulations. The work shall be inclusive of suply instalation, testing commisioning of all accessories required for laying of 11kV cable as end termination kits, straight through joint kits (suitable for 3 C X 300 Smm aluminium cables)	300.00	Rmt	0.00
8	Design, supply, laying in RCC trench, jointing, testing, commissioning of 415V, U/G XLPE Aluminium conductor 18 X 3C X 150 Sgmm, confirming to relevant & latest EIC, Indian standards and State electricity regulations. The work shall be inclusive of suply, justableon , testing commissioning of all accessories required for laying of 11kV cable as end termination kits, straight through joint kits (suitable for 3C X 24d Smma pulminium callables.) FORMETs	250.00	Rmt	0.00
9	Heat shrinkable end termination kit (indoor type) for 415V, 1R X 3C X 300 Sqmm, XLPE, Aluminium conductor Armored cables Transformer to bane! Heat shrinkable end termination kit (indoor type) for 415V, 1R X 3C X 150 Sqmm, XLPE, Aluminium conductor Armored cables	3.00	No	0.00
10	Transformer to nanel Design, supply, installation, testing and commissioning ,PVC Pipe,LP point, Ceiling fan, batten holder, Socket, Switch, Run of	3.00	No	0.00
11	Design, supply, installation, testing and commissioning , PVC Pipe, LP point, ceiling ran, pattern noticer, sockers, switch, kun of Mains, DistributionBoard, G. 1 PIPE FARTHING, FIRES PVC insulated flexible copper wire, LIGHTNRO DISTRIBUTION BOARDS, EARTHING OF ELECTRICALEQUIPMENT, STREET LIGHT POLES, STREET LIGHTLEDLUMINAIRES, LTCables, HDPEPIPE, TERMINATION OF LT CABLE, UPS	1.00	LS	0.00
12 c	Supply & installation of 1010 KVA OPEN DG Set comprising of Cummins make engine model KTA 38 G5 developing 1180 BHP Coupled to 1010 KVA. 415 V STAMFORD make alternator mounted on a common base frame, complete with: Bakeri Bazar	1.00	SET	0.00
1	Supplied, Installed and commissioned Self — water lubricated vertical turbine pumps complete with bowl assembly, suction bell mouth and strainer, column assembly, discharge head. Bowl Efficiency shall be Not be less than 87% with Vertical hollow shalt IT squirel cage induction motor, Eff 1 rating having 10%more BHP than that of pump make capable operating on 3.3 volts +/- 10%, 3 Phase, 50 No. 1 races, page 10% of the 10% of 1	3.00	No	0.00
2	Supply, installation, testing and commissioning of 11kV PANEL-800A/25KA 3 SEC (1 ICOG) OUTDOOR TYPE SWBD PANEL -IP 55-3Nos Supply, installation, testing and commissioning of 11kV / 3.3 kV 1000 kVA, ONAN, Natural Ester Oil Filled Transformer conforming to IS	3.00	No	0.00
3	Supply, installation, testing and commissioning of 11k7 / 3.5 kV 1000 kVA, OVAN, Natural Ester Oil Filled Transformer Conforming to 15 118/builth Ol TC + 1/- 10%. RTCC. (NFR Nort in our scoope)-1Nos. Supply, installation, testing and commissioning of 3.3kV PANEL-800A/25KA 3 SEC (4 WAY + 1 BUS PT) INDOOR TYPE SWBD PANEL -IP	1.00	No	0.00
4	42 AS PER CONTROL SCHEME-2Nos Supply, installation, testing and commissioning of 3.3kV, 260kW,Multi-level IGBT H bridge architecture with multi cellconfiguration	2.00	No	0.00
5	featuring contactless cellerdundancy and equipped with power diode rectifier section integrated to Dry Type input transformer of class H insulation. D1/I/D (6/10) A1/AD (4/I)-1Nos. Supply, installation, testing and commissioning of PLC System	1.00	No No	0.00
7	Supply, installation, testing and commissioning of PLC system It KV/433V 100KVA Conventional Transformer, Single Pole.Structure with 9.1Mtr PSCC Pole,11 KV 200 Amps AB Switch, Erection of 11 KV H.G. Fuse set	1.00	SET	0.00
8	Supply installation testing and commissioning of 3 phase and neutral 415V free standing floor mounted indoor LT panel made out of No.16 gauge CRCA sheet steel after 7 tank process and painting with powder costing. The panel shall consists of suitable rating TRN Allminium. busher, 50M.4 Pole MCCR, 50M.4 MCCR, OL bus bars, 53M, 5 GM.4 Pole MCCRD, polital meter, CTD Olgital Ammeter, Analog	1.00	No	0.00
9	selector. Analon LFF indicator, Jamos. Analon LT current transformer, Canacitor bank. Design, supply, laying in RCC trench, jointing, testing, commissioning of TILV, UIG XLPE Aluminium conductor IR X 3C X 240 Sqmm, confirming to relevant & lattest IEC, Indian standards and State electricity regulations. The work shall be inclusive of suply, instalation, Icesting commissioning of all accessories required for larging of TILV called as end termination kits, straight through joint kits (suitable for	500.00	Rmt	0.00
10	3C X 240 Somm aluminium cables)-500Mtrs Harrinkable end termination kit (outdoor type) for 11kV, 1R X 3C X 240 Sqmm, XLPE, Aluminium conductor Armored cables Transformer side	2.00	No	0.00
11	Heat shrinkable end termination kit (Indoor type) for 11kV, IR X 3C X 240 Sqmm, XLPE, Aluminium conductor Armored cables 11 KV HT panel side: Design, supply, Jaying in RCC trench, Jointing, testing, commissioning of 3.3kV, U/G XLPE Aluminium conductor 1R X 3C X 50 Sqmm,	2.00	No	0.00
12	positions in Supply, supply in Inc. C left.in; plantag, lessing, culturalsoning of 3.3kv; july x2P; variational Colouciar 7.4 S x 3	500.00	Rmt	0.00
13	Heat shrinkable end termination kit (indoor type) for 3.3kV, 1R X 3C X 50 Sqmm, XLPE, Aluminium conductor Armored cables Design, supply, laying in ground, jointing, testing, commissioning of 1100V, U/G XLPE Aluminium conductor 1RX 3.5C X 70 Sqmm,	5.00	No	0.00
14	confirming to relevant 8 latest EC, Indian standards and State electricity regulations. The work shall be inclusive of suply, instalation, testing commissioning of all accessories required for laying of 1100v cable as end termination kits, straight through joint kits (suitable for 3C x 400 Somm aluminium, cables-1.50. Heat strinisable end termination kit (indoor type-fourboor) for 415V, IR X 3.5C X 70 Sqmm, XLEE, Aluminium conductor Armored	150.00	Rmt	0.00
13	rahles I name Design, supply, installation, testing and commissioning ,PVC Pipe,LP point, Ceiling fan, batten holder, Socket, Switch, Run of	2.00	No	0.00
14	Mains, DistributionBoard, G I PIPE EARTHING, FRLS PVC insulated flexible copper wire, LIGHTING DISTRIBUTION BOARDS, EARTHING OF ELECTRICALEQUIPMENT, STREET LIGHT POLES, STREET LIGHTLEDLUMINAIRES, LTCables, HDPEPIPE, TERMINATION OF LT CABLE, UPS	1.00	LS	0.00
15	Supply & installation of 1010 KVA OPEN DG Set comprising of Cummins make engine model KTA 38 G5 developing 1180 BHP Coupled to 1010 KVA, 3.3KV TDPS/STAMFORD make alternator mounted on a common base frame, complete with:	1.00	SET	0.00
1	Karori chak Supplied, Installed and commissioned Self — water lubricated vertical turbine pumps complete with bowl assembly, suction bell mouth and strainer, column assembly, discharge head. Bowl Efficiency shall be Not be less than 87% with Vertical hollow shaft LT squirrel cage induction motor, Eff 1 rating having 10% share BIP than that of pump make capable operating on 3.3 Volts 1-/1 10%, 3 Phase, 50 Its +/-3% motor shall be fameprodywatehprory, fortally enclosed fan acceded suitable for installation in California SiDN. 1 areas, as groups C & D as per API—RP-500C and Zone-2, Gas Group-11A/ITIs, Temperature Class T3as per IS: 5372 certified by BASEFEFA, UNILCEE, Prance / CEST, Italy or any other equivalent certification obdes approved by European EcoNomic Community and PM, USAV U, USA or Class-1, Division-1 gasgroup IIA & IIB as per IS: 5572 and with IP-55 protection as per IS: 4691 or equivalent EIC standard complete as directed by Engineer—in-Charge.			
2	DPS4: 4968 m³/hr @ 14.5m Head Motor 300 kW/742 rpm/3.3Kv/TEFC-CACA Supply, installation, testing and commissioning of 11kV PANEL-800A/25KA 3 SEC (1 ICOG) OUTDOOR TYPE SWBD PANEL -IP 55-3Nos	3.00 3.00	No No	0.00
3	Supply, installation, testing and commissioning of 11kV / A3 kV 1250 kVA, ONAN, Natural Ester Oil Filled Transformer conforming to IS 1180 kWA, ONAN, Natural Ester Oil Filled Transformer conforming to IS 1180 with O1TC +/- 10%. RTCC. (NRR Not in our scope)-1/80.	1.00	No	0.00
4	Supply, installation, testing and commissioning of 3.3kV PANEL-800A/25kA 3 SEC (4 WAY + 1 BUS PT) INDOOR TYPE SWBD PANEL -IP 42 AS PER CONTROL SCHEME-2Nos [Supply, installation, testing and commissioning of 3.3kV, 300kW,Multi-level IGBT H bridge architecture with multi cellconfiguration	2.00	No	0.00
5 6	featuring contactless cellredundancy and equipped with power diode rectifier section integrated to Dry Type input transformer of class H insulation. DI/DO (6/10) AI/AO (4/2):1Nos. Supply, installation, testing and commissioning of PLC System	1.00	No No	0.00
7	Supply, installation, cearing and commissioning or recognised. It KV/433V DikKVA Conventional Transformer, Single Pole.Structure with 9.1Mtr PSCC Pole,11 KV 200 Amps AB Switch, Erection of 11 KV H.G. Fuse set	1.00	SET	0.00
8	Supply installation testing and commissioning of 3 phase and neutral 415V free standing floor mounted indoor LT panel made out of No.16 gauge CRCA sheet steel after 7 tank process and painting with powder coating. The panel shall consists of suitable rating TPN Alluminium busbar, 630A 4 Pole, 50KA MCCB, Cu bus bar, 63A / 60A 4 Pole MCCB,Digital meter,CT Digital Ammeter,Analog Conferto Analog LFD indicator Lamos, Analog LT current transformer Canaschrot hank	1.00	No	0.00
9	Design, supply, laying in RCC trench, jointing, testing, commissioning of 11kV, IJ/G XLPE Aluminium conductor 1R X 32 x240 Samm, confirming to relevant & latest EIC, Indian standards and State electricity regulations. The work shall be inclusive of suply, installation , testing commissioning of all accessories required for laying of 11kV cable as end termination kits, straight through joint kits (suitable for 15 x 240 Sname submissions real-box. SOMPre:	500.00	Rmt	0.00
10	Heat shrinkable end termination kit (outdoor type) for 11kV, 1R X 3C X 240 Sqmm, XLPE, Aluminium conductor Armored cables Transformer side theat shrinkable end termination kit (Indoor type) for 11kV, 1R X 3C X 240 Sqmm, XLPE, Aluminium conductor Armored cables 11 kV	2.00	No	0.00
11	HT nanel clich Design, supply, laying in RCC trench, jointing, testing, commissioning of 3.3kV, U/G XLPE Aluminium conductor 1R X 3 C X 50 Sqmm, confirming to relevant & latest IEC, Indian standards and State electricity regulations. The work shall be inclusive of suply, instalation	500.00	No Rmt	0.00
13	, itesting commissioning of all accessories required for laying of 3.3kV cable as end termination kits, straight through joint kits (suitable for 3.2 X SD Somm aluminium cables)-SOMMTR. Head shrinkable end termination kit (indoor tune) for 3.3kV IR X 3.2 X SD Somm XI PF. Aluminium conductor Armoral cables.	5.00	No	0.00
14	Heat shrinkable end termination kit (indoor type) for 3.3kV, IR X 3C X 50 Sqmm, XLPE, Aluminium conductor Armored cables Design, supply, laying in ground, jointing, testing, commissioning of 1100V, U/G XLPE Aluminium conductor IRX 3.5C X 70 Sqmm, confirming to relevant & latest IEC, Indian standards and State electricity regulations. The work shall be inclusive of suply, instalation , testing commissioning of all accessories required for laying of 1100V cable as end termination kts, straight through joint kits (suitable)	150.00	Rmt	0.00
15	for 3C X 400 Somm aluminium cables)-150 Heat shrinkable end termination kit (indoor type+Outdoor) for 415V, 1R X 3.5C X 70 Sqmm, XLPE, Aluminium conductor Armored	2.00	No	0.00
16	cables Lt banel Design, supply, installation, testing and commissioning ,PVC Pipe,LP point, Celling fan, batten holder, Socket, Switch, Run of Mains, DistributionBoard, G. I PIPE EARTHING, FRLS PVC insulated flexible copper wire, LICHTING DISTRIBUTION BOARDS, EARTHING OF LECENTICAL EQUIPMENT, STREET LICHT FLOEL SINGHET LICHT ELECHMAIRES, LTCables, DPGEPPE, TERMINATION OF LT CABLE, UPS	1.00	LS	0.00
17	Supply & installation of 1010 KVA OPEN DG Set comprising of Cummins make engine model KTA 38 G5 developing 1180 BHP	1.00	SET	0.00
е	Coupled to 1010 KVA, 3.3KV TDPS/STAMFORD make alternator mounted on a common base frame, complete with: Dasaratha Supplied, installed and commissioned Self — water lubricated vertical turbine pumps complete with bowl assembly, suction bell mouth			
1	and strainer, column assembly, discharge head. Bowl Efficiency shall be Not be less than 87% with Vertical hollow shaft LT squirrel Loge induction motor, Eff 1 rating having 10% more BHP than that of purp make capable operating on 3.3 Volts +1 *10%, 5 Phase, 50 Hz +1-3% motor shall be filameproof/weatherproof, totally enclosed fan coded suitable for installation in Class IDN. I areas, gas groups (E & 0 as per AH -RP-500C and 2 non-2, Los Group-1/AI/IB, Temperature Class T3as per 15: S572 certified by BASEFEFA, W.K./LEE, France / CESI, Italy or any other equivalent certificationbodies approved by European Ecolomic Community and FM, USAV UI, USA or (Class-I, Division-1) gasgroup IDA & IBB as per 15: S572 and with IP-S5 protection as per 15: 4691 or equivalent IEC standard complete			
	as directed by Engineer-in-Charge. DPSS: 5742 m³/hr @ 11.5m Head Motor 350 kW/742 rpm/3.3Kv/TEFC-CACA-3Nos	3.00	No	0.00
2	Supply, installation, testing and commissioning of 11kV PANEL-800A/25KA 3 SEC (1 ICOG) OUTDOOR TYPE SWBD PANEL -IP 55-3Nos Supply, installation, testing and commissioning of 11kV / 3.3 kV 1600 kVA, ONAN, Natural Ester Oil Filled Transformer conforming to IS	3.00	No	0.00
3	Supply, installation, testing and commissioning of 11kV / 3.3 kV 1600 kVA, ONAN, Natural Ester Oil Filled Transformer conforming to 15 1180with OLTC +/- 10%. RTCC. (NFR Not in our scope)-1Nos	1.00	No	0.00

4		O I I I I I I I I I I I I I I I I I I I			г
5	4	Supply, installation, testing and commissionig of 3.3KV PANEL-800A/25KA 3 SEC (4 WAY + 1 BUS PT) INDOOR TYPE SWBD PANEL -IP 42 AS PER CONTROL SCHEME-2Nos	2.00	No	0.00
Company Comp	5		1.00	No	0.00
1.00		H insulation, DI/DO (6/10) AI/AO (4/2)-1Nos			
Column C	_	11 KV/433V 100KVA Conventional Transformer, Single Pole. Structure with 9.1Mtr PSCC Pole, 11 KV 200 Amps AB Switch, Erection of 11			
Section Company Conference Company Company Conference Company Co		KV H.G. Fuse set	1.00	JL1	0.00
According 1000 100	Ω		1.00	No	0.00
Description Control	0	Alluminium busbar, 630A 4 Pole, 50kA MCCB, Cu bus bar, 63A / 60A 4 Pole MCCB, Digital meter, CT Digital Ammeter, Analog	1.00	140	0.00
Description of the Control of the		Design, supply, laying in RCC trench, jointing, testing, commissioning of 11kV, U/G XLPE Aluminium conductor 1R X 3C X 240 Sqmm,			
Description	9	confirming to relevant & latest IEC, Indian standards and State electricity regulations. The work shall be inclusive of suply ,instalation	500.00	Rmt	0.00
The content of the		3C X 240 Somm aluminium cables)-500Mtrs			ļ
Company	10	Transformer side	2.00	No	0.00
Description Company	11		2.00	No	0.00
Description of the Company of the		Design, supply, laying in RCC trench, jointing, testing, commissioning of 3.3kV, U/G XLPE Aluminium conductor 1R X 3C X 50 Sqmm,			
13 International Content	12	testing commisioning of all accessories required for laying of 3.3kV cable as end termination kits, straight through joint kits (suitable	500.00	Rmt	0.00
Section Company Comp	12		F 00	Na	0.00
140 Once O	13		5.00	140	0.00
1.00 1.00	14	confirming to relevant & latest IEC, Indian standards and State electricity regulations. The work shall be inclusive of suply ,instalation	150.00	Rmt	0.00
1.00		for 3C X 400 Somm aluminium cables)-150			
100 15 100 15	15	Heat shrinkable end termination kit (indoor type+Outdoor) for 415V, 1R X 3.5C X 70 Sqmm, XLPE, Aluminium conductor Armored	2.00	No	0.00
Company Comp		Design, supply,installation, testing and commissioning ,PVC Pipe,LP point,Ceiling fan,batten holder, Socket,Switch,Run of			
127 Seed Procedure of 1800 PAX OFFICE Cold controlled of Controlled Seed Contr	16		1.00	LS	0.00
Concert State Name, Name Transport State S					
Section Section and an experimental confidence of the control of t	17	Coupled to 1010 KVA, 3.3KV TDPS/STAMFORD make alternator mounted on a common base frame, complete with:	1.00	SET	0.00
An approximate common assembly, developed to all to the filters of paid of the common assembly of the common ass	f	Digha (Near Old Thana)			
Co. 2 Dec. of 1 Series Conference					
Col. Dot age 478 in 600000 cell and 200000 c		cage induction motor ,Eff 1 rating having 10%more BHP than that of pump make capable operating on 3.3 Volts +/- 10%, 3 Phase, 50			
Transport College	1	Hz +/-3% motor shall be flameproof/weatherproof, totally enclosed fan cooled suitable for installation in Class IDiv. I areas, gas groups C & D as ner API =PP-5000 and Zone-2. Gas Group-IIA/IIB. Temperature Class T3 s per IS: 5572 certified by RASSEEEA LIK/I/CIE			
Section Section Company Comp	1	France / CESI, Italy or any other equivalent certificationbodies approved by European EcoNomic Community and FM, USA/ UL, USA or			
Description 100 10		Class-I, Division-I gasgroup IIA & IIB as per IS: 5572 and with IP-55 protection as per IS: 4691 or equivalent IEC standard complete			
2 Sept., Industrian, bringly and commissioning of 11th Month. Sept. Sept. 1 Sept	L		3.00	No	0.00
1.00	2	Supply, installation, testing and commissioning of 11KV PANEL-800A/25KA 3 SEC (1 ICOG) OUTDOOR TYPE SWBD PANEL -IP 55-3Nos	3.00		0.00
4	3		1.00	No	0.00
Sept. Open Common Control Cont		1180with OLTC +/- 10%, RTCC, (NER Not in our scope)-1Nos Supply, installation, testing and commissionig of 3,3KV PANEL-800A/25KA 3 SEC (4 WAY + 1 BUS PT) INDOOR TYPE SWBD PANEL -IP			
5 Respt. velocities collections of the control of the collection o	4	42 AS PER CONTROL SCHEME-2Nos	2.00	NO	0.00
5 Supply, includation, before our commissioning of this Coption. Supply includation testing and commissioning of 3 places and natural 415 feet students from multimal indoor LT rated made on an analysis of the students of	5	featuring contactless cellredundancy and equipped with power diode rectifier section integrated to Dry Type input transformer of class	1.00	No	0.00
The Section Section of Templement Section Principles and Section Secti	6	H insulation, DI/DO (6/10) AI/AO (4/2)-1Nos Supply, installation, testing and commissioning of PLC System	1.00	No	0.00
Sept installation testing and commissioning of 3 places and natural 45th first standing floor marginal above 17 planet made out 17 planet made out 18 planet planets (15 planets) and 18 planets (15 planets) and 18 planets (15 planets) and 18 plane		11 KV/433V 100KVA Conventional Transformer, Single Pole. Structure with 9.1Mtr PSCC Pole, 11 KV 200 Amps AB Switch, Erection of 11			
Service States and the Carlo Active Control Court Part States and	-				
Section States, CRA 1 files, SAR MCCR, Cra Du be, CRA 1 files MCCR Deptile meters." Deptile Amendes Analogy (SCR), 1997,	R		1.00	No	0.00
Design, stayth, large in Rich Tends, person, commissionery of 1100, US SEP Autonomic Conference on C		Alluminium busbar, 630A 4 Pole, 50kA MCCB, Cu bus bar, 63A / 60A 4 Pole MCCB, Digital meter, CT Digital Ammeter, Analog	1.00		5.55
9 omming in research at later 24. Johann Security Company (1975) 1975 1976 1976 1976 1976 1976 1976 1976 1976		selector. Analog LED indicator lamps. Analog LT current transformer. Capacitor hank. Design, supply, laying in RCC trench, jointing, testing, commissioning of 11kV, U/G XLPE Aluminium conductor 1R X 3C X 240 Sqmm,			
The Control absence on Proceedings of Table (1997)	9	confirming to relevant & latest IEC, Indian standards and State electricity regulations. The work shall be inclusive of suply instalation	500.00	Rmt	0.00
The process of the control of the process of the pr		3C X 240 Somm aluminium cables)-500Mtrs			
The manufacture of the Company of th	10	Transformer side	2.00	No	0.00
Despt. putply. large is fice for breef, betting, commissioning of 3 Nav. US 32F, Ammission conductor in Nav. X. 50 Sympol. 13 14 Seed invalidation of breef particles of breef part of strengt of str	11		2.00	No	0.00
Lesting commissioning of all accessories required for laying of 1.3W cable as end termination like, stargibly five 1.3M (1987) and 1.3W (1987)		Design, supply, laying in RCC trench, jointing, testing, commissioning of 3.3kV, U/G XLPE Aluminium conductor 1R X 3C X 50 Sqmm,			
Sept Y X 45 comm abstraction colorists (2006). In the of Private devel colorism bits (in clority by the Y 33V, IR X X 49 Sperm, XPF, Ammittum conductor XP Sperm, Sperm, Interior, commissioning of 1100 (US XPF, Allametium conductor XP Sperm, Sperm	12		500.00	Rmt	0.00
Peptin, Septily, Hayding in ground, Josethos, Intelling, Commissioned of July, USE XIPE Alleminists conductors. The verifical the Intelling of Septile Septile of Septile Se	- 10	for 3C X 50 Summ aluminium cables)-500Mtrs			
14 comming to release in States IEC, Indian standards and State discribitly regulations. The work shall be inclusive of stayly, justiation stating commissioning of all accounts required for large (100) cales and extension less stated in Complete Michael 1000 cales and extension state of the	13		5.00	No	0.00
Sept. Servinsible and termination is dept of the Sept. 25 of 1997 (1997	14	confirming to relevant & latest IEC, Indian standards and State electricity regulations. The work shall be inclusive of suply ,instalation	150.00	Pmt	0.00
15 Neet shrinkable and termination list (indoor type-Cubboom) for 419W, IR X 3.5°C X 70 Spring, XPE, Authinstum conductor Ammored colobis. Listophy installation, and provided and commissions of the Commission o		testing commissioning of all accessories required for laying of 1100V cable as end termination kits, straight through joint kits (suitable for 3C X 400 Somm aluminium cables)-150	150.00	- Cinc	
Degn, sapply, installation, testing and commissioning JPV. Pipe,IP. point, Calling in Installation Robert, Sosket-Switch Run of Installation of 100 No. ASSAY TO STREET LIGHT POLICE, STREET LIGHT POL	15		2.00	No	0.00
ELCTRICAL PQLIMENTS / STREET LIGHT POLES, STREET LIGHT COUNTRINGS, TCOMES, NOTE POLES (STREET LIGHT COUNTRING) and expends on a common base frame are engine model (TAX 38 65 develops) 1100 MHz Q Nandal Charleston of 1010 NVA, 3.1XY TDPS/STAMPORD make abernator mounted on a common base frame, complete with bool assembly, sustion bell mounts on a street of the country of the coun					
Signly & Installation of \$10.00 VA ORTH DR Set comprolling of Committee make organic model KTA, 38 of Servicion, \$1100 BPP (Cocycle) for 10.00 DR VA SASY TPS/STAMFORD make alternator mounted on a common base finance, complete with: Sopplete, finalized and somethy, flock-stops have been been set whether the complete with bord assembly, suction bed much cape in the committee of the complete with bord assembly, suction bed much cape in the complete with committee or the complete with bord assembly, suction bed much cape in the committee of the complete with bord assembly, suction bed much cape in the complete with a complete with bord assembly, suction bed much cape in the complete with bord assembly, suction bed much cape in the complete with the complete with bord assembly, suction bed much cape in the complete with the complete	16	Mains, Distribution Board, G. I. PIPE EARTHING, FRLS. PVC insulated flexible copper wire, LIGHTING DISTRIBUTION BOARDS, EARTHING OF	1.00	LS	0.00
Copied to 1010 KW, 3.3KV TOPS/STAMPGRD make alternation mounted on a commission get law.					
Suppled, installed and commissioned Self — water bubicated vertical turbine pumps complete with bowl assembly, suction better most processing of the commissioned self — water bubicated vertical turbine pumps complete with bowl assembly, suction better most process and policy in the process and policy in	17		1.00	SET	0.00
Suppled, installed and commissioned Self — water bubicated vertical turbine pumps complete with bowl assembly, suction better most processing of the commissioned self — water bubicated vertical turbine pumps complete with bowl assembly, suction better most process and policy in the process and policy in	а				
cage induction motor, Eff 1 rating having 10% more shell be finant and or pump make capable operating on 3.3 Volts 4- 1-10%, 9.7 Pases, 50 It 2+ 1-3% motor shall be financipror/westherprorise, totals with a considerable of the control of the cont		Supplied, installed and commissioned Self — water lubricated vertical turbine pumps complete with bowl assembly, suction bell mouth			
It + 7-3% motor shall be flamesproof/westherproof, totally enclosed fan coded subable for installation in Class IDN. 1 areas, pas groups C & D as per API + 8-79-50C and Zone-2, cas Group-Lifu/IB, Temperature Class Tas par is 5-572 certified by BASEFEPA, MUCH, U.S.A or provided in the company of the co					
France / CESI, Taky or any other equivalent contribations approved by European EcoNomic Community and FM, USA UI, USA or Class-I, Division-I gasgroup IIA & IIB as per IS: 5572 and with IP-55 protection as per IS: 4961 or equivalent IEC standard complete as directed by Engineer-in-Charge. DPST : 6966 m/the © III In IAB IIB as per IS: 5572 and with IP-55 protection as per IS: 4961 or equivalent IEC standard complete as directed by Engineer-in-Charge. DPST : 6966 m/the © III In IAB IIB as per IS: 5572 and with IP-55 protection as per IS: 4961 or equivalent IEC standard complete as directed by Engineer-in-Charge. DPST : 6966 m/the © III In IAB IIB as per IS: 5572 and with IP-55 protection as per IS: 4961 or equivalent IEC standard complete as directed by Engineer-in-Charge. Sopply, Installation, testing and commissioning of 11kV PAREL : 8004/25k3 a SEC (4 WCY + 1 BIS PT) INDOOR TYPE SWIB PAREL : IP 2.00 No 0.000 4 Sopply, Installation, testing and commissioning of 3.3kV 7AREL : 8004/25k3 a SEC (4 WCY + 1 BIS PT) INDOOR TYPE SWIB PAREL : IP 2.00 No 0.000 5 Sopply, Installation, testing and commissioning of 3.3kV, 310kW, Multi-level IGBT H bridge architecture with multi celiconfiguration featuring contacties cellerdundancy and equipped with power dode rectifier section integrated to Dry Type input transformer of class II.00 No 0.000 Hospital Individual (12) Individual Indiv		Hz +/-3% motor shall be flameproof/weatherproof, totally enclosed fan cooled suitable for installation in Class IDiv. I areas, gas groups			
Class-I, Division-I gasgroup IIA & IIB as per IS: 5572 and with IP-55 protection as per IS: 4691 or equivalent IEC standard complete as directed by Fighineer-in-Change. DIPS7: 6956 m1/hr @ IIIm Head Motor 310 kW/934 rpm/3.3kV/TEC-CACA-3Nos Supply, installation, testing and commissioning of IIIKV PANEL-800A/25KA 3 SEC (I ICOG) OUTDOOR TYPE SWBD PANEL-IP 55-3Nos 3.00 No 0.00 13 Supply, installation, testing and commissioning of IIIKV PANEL-800A/25KA 3 SEC (I ICOG) OUTDOOR TYPE SWBD PANEL-IP 55-3Nos 1.00 No 0.00 1 INStant DIT 7-L-10fs. RTCT. INSER MET IN THE INSTANCE IN THE INST	1				
DPS7 : 6966 m/hr @ 11m Head Motor 310 kW/S94 rpn/3.3ky/TEFC.CAC-3Nes 2 Supply, installation, testing and commissioning of 11kV P3 kN 17b SEC (1 ICOS) OUTDOOR TYPE SWBD PANEL -IP SS-Nes 3 Supply, installation, testing and commissioning of 11kV 73 kN 17b SEC (1 ICOS) OUTDOOR TYPE SWBD PANEL -IP SS-Nes 4 Supply, installation, testing and commissioning of 11kV 73 kN 17b SW 40 No NA, Natural Ester Oil Filled Transformer conforming to 15 1 0 0 No 0 0 0 0 1180-with O1 TC -1 -1 196k, RTC (1 IMF Rev in our scrope-1 Miss. 1 0 0 No 0 0		Class-I, Division-I gasgroup IIA & IIB as per IS: 5572 and with IP-55 protection as per IS: 4691 or equivalent IEC standard complete			
2 Supply, installation, testing and commissioning of 11kV PANEL-800A/2SKA 3 SEC (1 ICOG) OUTDOOR TYPE SWBD PANEL-IP 55-3Nos 3 Supply, installation, testing and commissioning of 11kV / 3.3 kV 1250 kWa, ONNA, Natural Ster of I Filled Transformer conforming to 15 1.100 No 0.00 4 Supply, installation, testing and commissioning of 3.3 kV, 17kHE-800A/2SKA 3 SEC (4 WAY + 1 BUS PT) INDOOR TYPE SWBD PANEL-IP 2.00 No 0.00 Supply, installation, testing and commissioning of 3.3 kV, 10kW, Multi-level (EBT H bridge architecture with multi celicorriguration featuring contactless cellerdundancy and equipped with power diode rectifier section integrated to Dry Type input transformer of class 1.00 No 0.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0			3.00	No	0.00
3 Supply, installation, testing and commissioning of 11kV / 3.3 kV 1250 kVA, ONAN, Natural Ester Oil Filled Transformer conforming to 1S 118hohah OIT - 4.2 his RTT / MRP Not in our serone). Nho. 4 QLA SER EXC / MRN Lot in our serone). Nho. 5 Supply, installation, testing and commissioning of 3.3kV, 31kW, Multi-level IGST H bridge architecture with multi celiconfiguration featuring contractiess cellerulaneary and equipped with power diode rectifer section integrated to Dry Type input transformer of class featuring contractiess cellerulaneary and equipped with power diode rectifer section integrated to Dry Type input transformer of class featuring integration of 11 kV/433V 100kVA Conventional Transformer, Single Pole-Structure with 9.1Mtr PSCC Pole, 11 kV 200 Amps AB Switch, Erection of 11 kV/433V 100kVA Conventional Transformer, Single Pole-Structure with 9.1Mtr PSCC Pole, 11 kV 200 Amps AB Switch, Erection of 11 kV/433V 100kVA Conventional Transformer, Single Pole-Structure with 9.1Mtr PSCC Pole, 11 kV 200 Amps AB Switch, Erection of 11 kV/433V 100kVA Conventional Transformer, Single Pole-Structure with 9.1Mtr PSCC Pole, 11 kV 200 Amps AB Switch, Erection of 11 kV/433V 100kVA Conventional Transformer, Single Pole-Structure with 9.1Mtr PSCC Pole, 11 kV 200 Amps AB Switch, Erection of 11 kV/433V 100kVA Conventional Transformer, Single Pole-Structure with 9.1Mtr PSCC Pole, 11 kV 200 Amps AB Switch, Erection of 11 kV/433V 100kVA Conventional Transformer, Single Pole-Structure with 9.1Mtr PSCC Pole, 11 kV 200 Amps AB Switch, Erection of 11 kV/433V 100kVA Conventional Transformer, Single Pole-Structure with 9.1Mtr PSCC Pole, 11 kV 200 Amps AB Switch, Erection of 11 kV 200 Amps AB S	2				
Supply, installation, testing and commissioning of 3.3KV PANEL-800A/25KA 3 SEC (4 WAY + 1 BUS PT) INDOOR TYPE SWBD PANEL-IP 42, AS PER CONTROL SCHEME-2Nos Supply, installation, testing and commissioning of 3.3KV, 310KW, Multi-level IGBT H bridge architecture with multi celiconfiguration featuring control and Indianal Association (1 on the supply installation, testing and commissioning of 3.3KV, 310KW, Multi-level IGBT H bridge architecture with multi celiconfiguration featuring control and Indianal Association, value and equipped with power diode rectifier section integrated to Dry Type input transformer of class 1.000 No 0.000 No 0		Supply, installation, testing and commissioning of 11kV / 3.3 kV 1250 kVA, ONAN, Natural Ester Oil Filled Transformer conforming to IS			
4 92.65 PER CONTROL SCHEME-ZNos Supply, Installation, testing and commissioning of 3.3kV, 310kW, Multi-level IGBT H bridge architecture with multi cellconfiguration featuring contactless cellerdundancy and equipped with power diode rectifier section integrated to Dry Type input transformer of class H insufation. J J J Nov 18 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1180with OLTC +/- 10% RTCC (NER Not in our scope)-1Nos			
5 featuring contactless cellerdundancy and equipped with power diode rectifier section integrated to Dry Type input transformer of class I hisualistino, IDMO (RIVA) AIAO (AIZ)-LINES 5 supply, installation, testing and commissioning of PLC System 7 11 KV/AIS31 MOVIAC conventional Transformers, Single Pole, Structure with 9.1Mtr PSCC Pole,11 KV 200 Amps AB Switch, Ferction of 11 1.00 SET 0.00 No No 0.00 SET 0.00 No No 0.00 No No 0.00 No No 0.00 No 0.00 No No 0.00 Rmt 0.00 Rmt 0.00 No 0.00 Rmt 0.00 No 0.00 No 0.00 Rmt 0.00 No 0.00 No 0.00 Rmt 0.00 No 0.00 No 0.00 No 0.00 Rmt 0.00 No 0.00 No 0.00 No 0.00 No 0.00 Rmt 0.00 No 0.00	4	42 AS PER CONTROL SCHEME-2Nos	2.00	No	U.UU
6 Supply, installation, testing and commissioning of PLC System 7 11 KV/H337 J00KVA Conventional Transformer, Single Pole, Structure with 9.1Mtr PSCC Pole, 11 KV 200 Amps AB Switch, Erection of 11 1.00 SET 0.00 No 0.00 No 0.00 No 0.00 No 0.00 SET 0.00 No 0.00 No 0.00 No 0.00 No 0.00 No 0.00 SET 0.00 No 0.00 No 0.00 No 0.00 No 0.00 SET 0.00 No 0.00 No 0.00 No 0.00 No 0.00 Rmt 0.00 SET 0.00 No 0.00 No 0.00 No 0.00 Rmt 0.00 SET 0.00 No 0.00 No 0.00 Rmt 0.00 SET 0.00 No 0.00 No 0.00 Rmt 0.00 SET 0.00 No 0.00 No 0.00 Rmt 0.00 No 0.00 Rmt 0.00 No 0.0	5	featuring contactless cellredundancy and equipped with power diode rectifier section integrated to Dry Type input transformer of class	1.00	No	0.00
11 KV/433V 100KVA Conventional Transformer, Single Pole-Structure with 9.1Mtr PSCC Pole, 11 KV 200 Amps AB Switch, Erection of 11	6	H insulation, DL/DO (6/10) AI/AO (4/2)-1Nos Supply, installation, testing and commissioning of PLC System	1.00	Nο	0.00
Supply installation testing and commissioning of 3 phase and neutral 415V free standing floor mounted indoor LT panel made out of No.15 gauge CRCA sheet steel after 7 tank process and painting with powder costing. The panel shall consists of suitable rating TPN Alluminium busbars, 63A 4 Pole, SDA A Pole,		11 KV/433V 100KVA Conventional Transformer, Single Pole. Structure with 9.1Mtr PSCC Pole, 11 KV 200 Amps AB Switch, Erection of 11			
8 No.16 gauge CRCA sheet steel after 7 tank process and painting with powder coating. The panel shall consists of suitable rating TFN Alluminium busbars, 63A 4 Pole, NA CRCS, Ou bus has, 63A / 604 A Pole, MCCR, Digital meter, CT	<u> </u>				
Alluminium busbar, 6304. 4 Pole, 50kA MCCB, Cu bus bar, 63A / 604. 4 Pole MCCB, Digital ameter, CT Digital Ammeter, Analog selectric Abadou, LFI Director banns. Analogis Carlot	8		1.00	No	0.00
9 confirming to relevant & latest. IEC, Indian standards and State electricity regulations. The work shall be inclusive of suply, instalation , setting commissioning of all accessories required for laying of 11 liV cable as not termination kit (auditor type) for 11 liV, all x 3C x 240 Sqmm, XLPE, Aluminium conductor Armored cables 11 KV 10 modes are supply, laying in RCC trench, jointing, testing, commissioning of 3.3kV, U/G XLPE Aluminium conductor 1 kY 3C x 30 Sqmm, 200, laying in RCC trench, jointing, testing, commissioning of 3.3kV, U/G XLPE Aluminium conductor 1 kY 3C x 30 Sqmm, 200, laying in RCC trench, jointing, testing, commissioning of 3.3kV, U/G XLPE Aluminium conductor 1 kY 3C x 30 Sqmm, 200, laying in RCC trench, jointing, testing, commissioning of 3.3kV, U/G XLPE Aluminium conductor 1 kY 3C x 30 Sqmm, 200, laying in RCC trench, jointing, testing, commissioning of 3.3kV, U/G XLPE Aluminium conductor 1 kY 3C x 30 Sqmm, 200, laying in RCC trench, jointing, testing, commissioning of 3.3kV, U/G XLPE Aluminium conductor 1 kY 3C x 30 Sqmm, 200, laying in RCC trench, jointing, testing, commissioning of all accessories required for laying of 3.3kV, U/G XLPE Aluminium conductor 1 kY 3C x 30 Sqmm, 200, laying all accessories required for laying of 3.3kV, U/G XLPE Aluminium conductor 1 kY 3C x 30 Sqmm, 200, laying all accessories required for laying of 100V LIG XLPE Aluminium conductor 2 kY SQ Sqmm, 200, laying all accessories required for laying of 100V LIG XLPE Aluminium conductor 2 kY SQ Sqmm, 200, laying all accessories required for laying of 100V cable as end termination kit, straight through joint kits (suitable for 3C x 400 Sqmm aluminium cables-150, laying of 1100V cable as end termination kit, straight through joint kits (suitable for 3C x 400 Sqmm aluminium cables-150, laying of 1100V cable as end termination kit, straight through joint kits (suitable for 3C x 400 Sqmm aluminium cables-150, laying of 1100V cable as end termination kit, suitable for 3C x 400 Sqmm aluminium cables-150, laying of 150 S		Alluminium busbar, 630A 4 Pole, 50kA MCCB, Cu bus bar, 63A / 60A 4 Pole MCCB, Digital meter, CT Digital Ammeter, Analog			
9 confirming to relevant & latest. IEC, Indian standards and State electricity regulations. The work shall be inclusive of suply, instalation , setting commissioning of all accessories required for laying of 11 liV cable as not termination kit (auditor type) for 11 liV, all x 3C x 240 Sqmm, XLPE, Aluminium conductor Armored cables 11 KV 10 modes are supply, laying in RCC trench, jointing, testing, commissioning of 3.3kV, U/G XLPE Aluminium conductor 1 kY 3C x 30 Sqmm, 200, laying in RCC trench, jointing, testing, commissioning of 3.3kV, U/G XLPE Aluminium conductor 1 kY 3C x 30 Sqmm, 200, laying in RCC trench, jointing, testing, commissioning of 3.3kV, U/G XLPE Aluminium conductor 1 kY 3C x 30 Sqmm, 200, laying in RCC trench, jointing, testing, commissioning of 3.3kV, U/G XLPE Aluminium conductor 1 kY 3C x 30 Sqmm, 200, laying in RCC trench, jointing, testing, commissioning of 3.3kV, U/G XLPE Aluminium conductor 1 kY 3C x 30 Sqmm, 200, laying in RCC trench, jointing, testing, commissioning of 3.3kV, U/G XLPE Aluminium conductor 1 kY 3C x 30 Sqmm, 200, laying in RCC trench, jointing, testing, commissioning of all accessories required for laying of 3.3kV, U/G XLPE Aluminium conductor 1 kY 3C x 30 Sqmm, 200, laying all accessories required for laying of 3.3kV, U/G XLPE Aluminium conductor 1 kY 3C x 30 Sqmm, 200, laying all accessories required for laying of 100V LIG XLPE Aluminium conductor 2 kY SQ Sqmm, 200, laying all accessories required for laying of 100V LIG XLPE Aluminium conductor 2 kY SQ Sqmm, 200, laying all accessories required for laying of 100V cable as end termination kit, straight through joint kits (suitable for 3C x 400 Sqmm aluminium cables-150, laying of 1100V cable as end termination kit, straight through joint kits (suitable for 3C x 400 Sqmm aluminium cables-150, laying of 1100V cable as end termination kit, straight through joint kits (suitable for 3C x 400 Sqmm aluminium cables-150, laying of 1100V cable as end termination kit, suitable for 3C x 400 Sqmm aluminium cables-150, laying of 150 S		Selector Analog LED indicator lamps. Analog LT current transformer Capacitor hank Design, supply, laying in RCC trench, jointing, testing, commissioning of 11kV, U/G XLPE Aluminium conductor 1R X 3C X 240 Sqmm,			
SCX 240 Smm aluminium callesi-S500ths	9	confirming to relevant & latest IEC, Indian standards and State electricity regulations. The work shall be inclusive of suply instalation	500.00	Rmt	0.00
Transformer side 11 Heat shrinkable end termination kit (Indoor type) for 11kV, IR X 3C X 240 Sqmm, XLPE, Aluminium conductor Armored cables 11 kV 12 Design, supply, laying in RCC trench, jointing, testing, commissioning of 3.3kV, U/G XLPE Aluminium conductor 1R X 3C X 50 Sqmm, confirming to relevant & latest IEC, Indian standards and State electricity regulations. The work shall be inclusive of suply, instalation, testing, commissioning of all accessories required for laying of 3.3kV cable as end termination kits, straight through joint kits (suitable for 3C X 50 Sqmm aluminium cables-500Mtrs 13 Heat shrinkable end termination kit (Indoor type) for 3.3kV, 1 R X 3C X 50 Sqmm, XLPE, Aluminium conductor 1R X 3:5C X 70 Sqmm, confirming to relevant & latest IEC, Indian standards and State electricity regulations. The work shall be inclusive of suply, instalation, testing commissioning of 1100V, u/G xLPE Aluminium conductor 1RX 3:5C X 70 Sqmm, confirming to relevant & latest IEC, Indian standards and State electricity regulations. The work shall be inclusive of suply, instalation, testing commissioning of all accessories required for laying of 1100V cable as end termination kit, sraight through its kits, suitable for 3C X 400 Sqmm aluminium cables-150. 15 Heat shrinkable end termination kit (Indoor type+Outdoor) for 415V, IR X 3.5C X 70 Sqmm, XLPE, Aluminium conductor Armored 2,00 No No 0.00 Rmt 150.00 Rmt 150.00 Rmt		3C X 240 Somm aluminium cables)-500Mtrs			
Heat shrinkable end termination kit (Indoor type) for 11kV, 1R X 3C X 240 Sqmm, XLPE, Aluminium conductor Armored cables 11 kV 2.00 No 0.00 HT Hospital side plants of the part of the par	10	Heat shrinkable end termination kit (outdoor type) for 11kV, 1R X 3C X 240 Sqmm, XLPE, Aluminium conductor Armored cables Transformer side	2.00	No	0.00
Design, supply, laying in RCC trench, jointing, testing, commissioning of 3.3kV, U/G XLPE Aluminium conductor 1R X 3C X 50 Sqmm, commissioning at lacetactic standards and State electricity regulations. The work shall be inclusives by instalation for 3C XX 50 Sqmm aluminium conductor 1R X 3C X 50 Sqmm, XLPE, Aluminium conductor 1R X 3C X 50 Sqmm aluminium conductor 1R X 3C X 50 Sqmm, XLPE, Aluminium conductor 1R X 3C X 50 Sqmm aluminium conductor 1R 3C X 50 Sqmm aluminium conductor 1R X 3C X 50 Sqmm, XLPE, Aluminium conductor 1R X 3C X 50 Sqmm aluminium conductor 1R X 3C X 50 Sqmm, XLPE, Aluminium conductor 1R X 3C X 50 Sqmm, XLPE, Aluminium conductor 1R X 3C X 50 Sqmm, XLPE, Aluminium conductor 1R X 3C X 50 Sqmm, XLPE, Aluminium conductor 1R X 3C X 50 Sqmm, XLPE, Aluminium conductor 1R X 3C X 50 Sqmm, XLPE, Aluminium conductor 1R X 3C X 50 Sqmm, XLPE, Aluminium conductor 1R X 3C X 50 Sqmm, XLPE, Aluminium conductor 1R X 3C X 50 Sqmm, XLPE, Aluminium conductor 1R X 3C X 50 Sqmm, XLPE, Aluminium conductor 1R X 3C X 50 Sqmm, XLPE, Aluminium conductor 1R X 3C X 50 Sqmm, XLPE, Aluminium conductor 1R X 3C X 50 Sqmm, XLPE, Aluminium conductor 1R X 3C X 50 Sqmm, XLPE, Aluminium conductor 1R X 3C X 50 Sqmm, XLPE, Aluminium conductor 1R X 3C X 50 Sqmm, XLPE, Aluminium conduct	11	Heat shrinkable end termination kit (Indoor type) for 11kV, 1R X 3C X 240 Sqmm, XLPE, Aluminium conductor Armored cables 11 KV	2.00	No	0.00
12 testing commisioning of all accessories required for laying of 3.3kV cable as end termination kits, straight through joint kits (suitable for 3C X 50 Somm aluminium cables)-500Mtrs 13 Heats shrinkable end termination kit (indoor type) for 3.3kV, IR X 3C X 50 Sqmm, XLPE, Aluminium conductor Armored cables Design, supply, laying in ground, Jointing, testing, commissioning of 1100V, U/G XLPE Aluminium conductor IRX 3.5C X 70 Sqmm, confirming to relevant & latest IEC, Indian standards and State electricity regulations. The work shall be inclusive of suply, instalation destination of all accessories required for laying of 1100V cable as end termination kits, straight through joint kits (suitable for 3C X 400 Smm aluminium cables)-150, 15 Heat shrinkable end termination kit (indoor type)-Outdoor) for 415V, IR X 3.5C X 70 Sqmm, XLPE, Aluminium conductor Armored 2.00 No.		Design, supply, laying in RCC trench, jointing, testing, commissioning of 3.3kV, U/G XLPE Aluminium conductor 1R X 3C X 50 Sqmm,			
for 3C X 90 Samm aluminium cables-500Mtrs 13 Heat shrinkable end termination kit (indoor type) for 3.3kV, 1R X 3C X 50 Samm, XLPE, Aluminium conductor Armored cables 5.00 No 0.00 Design, supply, laying in ground, jointing, testing, commissioning of 1100V, U/C XLPE Aluminium conductor 1RX 3.5C X 70 Samm, confirming to relevant & latest IEC, Indian standards and State electricity regulations. The work shall be inclusive of suply, instalation , testing commissioning of all accessories required for laying of 1100V cables as end termination kit, straight through tisk (suitable for 3C X 400 Samm aluminium cables)-150. 15 Heat shrinkable end termination kit (indoor type+Outdoor) for 415V, 1R X 3.5C X 70 Samm, XLPE, Aluminium conductor Armored 2.00 No 0.00	12	testing commissioning of all accessories required for laying of 3.3kV cable as end termination kits, straight through joint kits (suitable	500.00	Rmt	0.00
Design, supply, laying in ground, jointing, testing, commissioning of 1100V, U/S XLPE Aluminium conductor IRX 3.5C X 70 Sqmm, confirming to relevant & latest IEC, Indian standards and State electricity regulations. The work shall be inclusive of suply, installation , Jesting commissioning of all accessories required for laying of 1100V cable as end termination kits, straight through joint, kits (suitable for 3°C X 40°C Smm aluminium cables-150). 15 Heat shrinkable end termination kit (indion type+Outdoor) for 415V, IR X 3.5C X 70 Sqmm, XLPE, Aluminium conductor Armored 2.00 No.	-10	for 3C X 50 Summ aluminium cables)-500Mtrs	- 00		2.00
14 confirming to relevant & latest IEC, Indian standards and State electricity regulations. The work shall be inclusive of suply, instalation place in the property of the property of Indian place and termination kits, straight through joint kits, straight through t	13		5.00	No	0.00
1. Itesting commissioning of all accessories required for laying of 1100V cable as end termination kits, straight through joint kits (suitable for 3C x 400 Somm aluminium cahles-150) 15 Heat shrinkable end termination kit (indoor type+Outdoor) for 415V, 1R X 3.5C X 70 Sqmm, XLPE, Aluminium conductor Armored 2.00 No. 0.00	14	confirming to relevant & latest IEC, Indian standards and State electricity regulations. The work shall be inclusive of suply instalation	150.00	Pm+	0.00
15 Heat shrinkable end termination kit (indoor type+Outdoor) for 415V, 1R X 3.5C X 70 Sqmm, XLPE, Aluminium conductor Armored 2.00 No.	_ •	testing commissioning of all accessories required for laying of 1100V cable as end termination kits, straight through joint kits (suitable for 3C X 400 Somm aluminium cables)-150		- NATE	0.00
	15	Heat shrinkable end termination kit (indoor type+Outdoor) for 415V, 1R X 3.5C X 70 Sqmm, XLPE, Aluminium conductor Armored	2.00	No	0.00
Design, supply,installation, testing and commissioning ,PVC Pipe,LP point,Celling fan,batten holder, Socket,Switch,Run of		Design, supply,installation, testing and commissioning ,PVC Pipe,LP point,Ceiling fan,batten holder, Socket,Switch,Run of			
16 Mains, Distribution flower, G. I PIDE FARTHING, PRLS PVC insulated flexible copper wire_LIGHTING DISTRIBUTION BOOK PLC 1.00 LS 0.00	16	Mains, Distribution Board, G I PIPE EARTHING, FRLS PVC insulated flexible copper wire, LIGHTING DISTRIBUTION BOARDS, EARTHING OF	1.00	LS	0.00
17 Supply & installation of 1010 KVA OPEN DG Set comprising of Cummins make engine model KTA 38 GS developing 1180 BHP Coupled to 1010 KVA, 33KV TDPS/STAMPGROM basks elarentar mounted on a common base frame, complete with: 1.00 SET 0.00	17	Supply & installation of 1010 KVA OPEN DG Set comprising of Cummins make engine model KTA 38 G5 developing 1180 BHP Coupled to 1010 KVA, 3.3KV TDPS/STAMFORD make alternator mounted on a common base frame, complete with:	1.00	SET	0.00
h Prenkurj (Karmalichak)	h				

_				Г
	Supplied, installed and commissioned Self — water lubricated vertical turbine pumps complete with bowl assembly, suction bell mouth and strainer, column assembly, discharge head. Bowl Efficiency shall be Not be less than 87% with Vertical hollow shaft LT squirrel			
	cage induction motor ,Eff 1 rating having 10%more BHP than that of pump make capable operating on 3.3 Volts +/- 10%, 3 Phase, 50 Hz +/- 3% motor shall be flameproof/weatherproof, totally enclosed fan cooled suitable for installation in Class IDiv. I areas, gas groups			
1	C & D as per API –RP-500C and Zone-2, Gas Group-IIA/IIB, Temperature Class T3as per IS: 5572 certified by BASEFEFA, UK/LCIE, France / CESI, Italy or any other equivalent certificationbodies approved by European EcoNomic Community and FM, USA/ UL, USA or			
	Class-I, Division-I gasgroup IIA & IIB as per IS: 5572 and with IP-55 protection as per IS: 4691 or equivalent IEC standard complete as directed by Engineer-in-Charge.			
	DPS8: 7398 m³/hr @ 11m Head Motor 350 kW/495 rpm/3.3Kv/TEFC-CACA-3Nos	3.00	No	0.00
2	Supply, installation, testing and commissioning of 11kV PANEL-800A/25KA 3 SEC (1 ICOG) OUTDOOR TYPE SWBD PANEL -IP 55-3Nos Supply, installation, testing and commissioning of 11kV / 3.3 kV 1600 kVA, ONAN, Natural Ester Oil Filled Transformer conforming to IS	3.00	No 	0.00
3	1180with OLTC +/- 1096. RTCC. (NER Not in our scooe)-1Nos Supply, installation, testing and commissionig of 3.3KV PANEL-800A/25KA 3 SEC (4 WAY + 1 BUS PT) INDOOR TYPE SWBD PANEL-IP	1.00	No 	0.00
4	42 AS PER CONTROL SCHEME-2Nos Supply, installation, testing and commissioning of 3.3kV, 350kW,Multi-level IGBT H bridge architecture with multi cellconfiguration	2.00	No	0.00
5	featuring contactless cellredundancy and equipped with power diode rectifier section integrated to Dry Type input transformer of class H insulation. DI/DQ (6/10) AI/AQ (4/2)-1Nos	1.00	No	0.00
6	Supply, installation, testing and commissioning of PLC System 11 KV/433V 100KVA Conventional Transformer, Single Pole. Structure with 9.1Mtr PSCC Pole, 11 KV 200 Amps AB Switch, Erection of 11	1.00	No	0.00
7	KV H.G. Fuse set	1.00	SET	0.00
8	Supply installation testing and commissioning of 3 phase and neutral 415V free standing floor mounted indoor LT panel made out of No. 16 pauge CRG sheet steel after 7 tank process and painting with powder coating. The panel shall consists of suitable rating TPN Alluminum busbar, 630.4 Pple, 59LA MCCB, Cu bus bar, 63A / 60A 4 Pple MCCB, Digital meter,CT Digital Ammeter,Analog selector, Analou ED indicator issues. Analou ET current transformer Canactor bank.	1.00	No	0.00
9	Design, supply, laying in RCC trench, jointing, testing, commissioning of 11kV, U/G XLPE Aluminium conductor 1R X 32 x 240 Samm, confirming to relevant & latest ERC, Indian standards and State electricity regulations. The work shall be inclusive of suply, installation, itselfing commissioning of all accessories required for laying of 11kV cable as end termination kits, straight through joint kits (suitable for 32 x 240 Samm, aluminium rathless-0509ths; and suitable for 32 x 240 Samm, aluminium rathless-0509ths; and suitable for 32 x 240 Samm, aluminium rathless-0509ths; and suitable for 32 x 240 Samm, aluminium rathless-0509ths; and suitable for 32 x 240 Samm, aluminium rathless-0509ths; and suitable for 32 x 240 Samm, aluminium rathless-0509ths; and suitable for 32 x 240 Samm, aluminium rathless-0509ths; and suitable for 32 x 240 Samm, aluminium rathless-0509ths; and suitable for 32 x 240 Samm, aluminium rathless-0509ths; and suitable for 32 x 240 Samm, aluminium rathless-0509ths; and suitable for 32 x 240 Samm, aluminium rathless-0509ths; and suitable for 32 x 240 Samm, aluminium rathless-0509ths; and suitable for 32 x 240 Samm, aluminium rathless-0509ths; and suitable for 32 x 240 Samm, aluminium rathless-0509ths; and suitable for 32 x 240 Samm, aluminium rathless-0509ths; and suitable for 32 x 240 Samm, aluminium rathless-0509ths; and suitable for 32 x 240 Samm, aluminium rathless-0509ths; and suitable for 32 x 240 Samm, aluminium rathless-0509ths; and suitable for 32 x 240 Samm, aluminium rathless-0509ths; and suitable for 32 x 240 Samm, aluminium rathless-0509ths; aluminium rathless-0509ths; and suitable for 32 x 240 Samm, aluminium rathless-0509ths; aluminium rathless-0509th	500.00	Rmt	0.00
10	Heat shrinkable end termination kit (outdoor type) for 11kV, 1R X 3C X 240 Sqmm, XLPE, Aluminium conductor Armored cables Transformer side Heat shrinkable end termination kit (Indoor type) for 11kV, 1R X 3C X 240 Sqmm, XLPE, Aluminium conductor Armored cables 11 kV	2.00	No 	0.00
11	HT panel side Design, supply, laying in RCC trench, jointing, testing, commissioning of 3.3kV, U/G XLPE Aluminium conductor 1R X 3C X 50 Sqmm,	2.00	No	0.00
12	confirming to relevant & latest IEC, Indian standards and State electricity regulations. The work shall be inclusive of suply, instalation, testing commissioning of all accessories required for laying of 3.3kV cable as end termination kits, straight through joint kits (suitable for 3°C X 50 Somm aluminium cablest-900Mtrs.	500.00	Rmt	0.00
13	Heat shrinkable end termination kit (indoor type) for 3.3kV, 1R X 3C X 50 Sqmm, XLPE, Aluminium conductor Armored cables Design, supply, laying in ground, jointing, testing, commissioning of 1100V, U/G XLPE Aluminium conductor 1RX 3.5C X 70 Sqmm,	5.00	No	0.00
14	confirming to relevant & latest IEC, Indian standards and State electricity regulations. The work shall be inclusive of suply instalation testing commisioning of all accessories required for laying of 1100V cable as end termination kits, straight through joint kits (suitable	150.00	Rmt	0.00
15	for 3C X 400 Somm aluminium cables)-150 Heat shrinkable end termination kit (indoor type+Outdoor) for 415V, 1R X 3.5C X 70 Sqmm, XLPE, Aluminium conductor Armored	2.00	No	0.00
16	cables Lt banel Design, supply,installation, testing and commissioning ,PVC Pipe,LP point,Celling fan,batten holder, Socket,Switch,Run of Mains,DistributionBoard,G I PIPE EARTHING,FRLS PVC insuleted flexible copper wire,LIGHTING DISTRIBUTION BOARDS,EARTHING OF	1.00	LS	0.00
17	ELECTRICALEQUIPMENT, STREET LIGHT POLES, STREET LIGHTLEDLUMINAIRES, LTCables, HDPEPIPE, TERMINATION OF LT CABLE, UPS Supply & installation of 1010 KVA OPEN DG Set comprising of Cummins make engine model KTA 38 G5 developing 1180 BHP	1.00	CET	0.00
17 i	Coupled to 1010 KVA, 3.3KV TDPS/STAMFORD make alternator mounted on a common base frame, complete with:	1.00	SET	0.00
-	Rajiv Nagar Supplied, installed and commissioned Self — water lubricated vertical turbine pumps complete with bowl assembly, suction bell mouth			
	and strainer, column assembly, discharge head. Bowl Efficiency shall be Not be less than 87% with Vertical hollow shaft LT squirrel cage induction motor, Eff 1 rating having 10%more BHP than that of pump make capable operating on 3.3 Volts +/- 10%, 3 Phase, 50			
1	Hz +/-3% motor shall be flameproof/weatherproof, totally enclosed fan cooled suitable for installation in Class IDiv. I areas, gas groups C & D as per API –RP-500C and Zone-2, Gas Group-IIA/IIB, Temperature Class T3as per IS: 5572 certified by BASEFEFA, UK/LCIE,			
	France / CESI, Italy or any other equivalent certificationbodies approved by European EcoNomic Community and FM, USA/ UL, USA or Class-I, Division-I gasgroup IIA & IIB as per IS: 5572 and with IP-55 protection as per IS: 4691 or equivalent IEC standard complete			
	as directed by Engineer-in-Charge. DPS9: 7632 m³/hr @11m Head Motor 350 kW/495 rpm/3.3Kv/TEFC-CACA-3Nos	3.00	N-	0.00
2	Supply, installation, testing and commissioning of 11KV PANEL-800A/25KA 3 SEC (1 ICOG) OUTDOOR TYPE SWBD PANEL -IP 55-3Nos	3.00	No No	0.00
3	Supply, installation, testing and commissioning of 11kV / 3.3 kV 1600 kVA, ONAN, Natural Ester Oil Filled Transformer conforming to IS	1.00	No	0.00
4	1180with OLTC +/- 10%, RTCC. (NER Not in our scope)-1Nos Supply, installation, testing and commissionig of 3.3KV PANEL-800A/25KA 3 SEC (4 WAY + 1 BUS PT) INDOOR TYPE SWBD PANEL -IP	2.00	No	0.00
5	42 AS PER CONTROL SCHEME-2Nos Supply, installation, testing and commissioning of 3.3kV, 350kW,Multi-level IGBT H bridge architecture with multi cellconfiguration featuring contactless cellredundancy and equipped with power diode rectifier section integrated to Dry Type input transformer of class	1.00	No	0.00
	H insulation, DI/DO (6/10) AI/AO (4/2)-1Nos			
6 7	Supply, installation, testing and commissioning of PLC System 11 KV/433V 100KVA Conventional Transformer, Single Pole. Structure with 9.1Mtr PSCC Pole, 11 KV 200 Amps AB Switch, Erection of 11	1.00	No SET	0.00
	KV H.G. Fuse set			0.00
8	Supply installation testing and commissioning of 3 phase and neutral 415V free standing floor mounted indoor LT panel made out of No.16 gauge CRGA sheet steel after 7 tank process and painting with powder coating. The panel shall consists of suitable rating TFN Alluminium busbar, 6304 4 Pole, 50k4 MCCB, Cu bus bar, 63A / 604 4 Pole MCCB, Digital meter,CT Digital Ammeter,Analog selector. Analon LT plinderfare Jamas, Analon LT current transferemer, Canandor hank	1.00	No	0.00
9	Design, supply, laying in RCC trench, jointing, testing, commissioning of T1kV, U/G XLPE Aluminium conductor 1R X 3C X 240 Sqmm, confirming to relevant & latest IEC, Indian standards and State electricity regulations. The work shall be inclusive of suply instalation	500.00	Rmt	0.00
	testing commisioning of all accessories required for laying of 11kV cable as end termination kits, straight through joint kits (suitable for 3C X 240 Somm aluminium cables)-500Mtrs.	500.00	i cinc	0.00
10	Heat shrinkable end termination kit (outdoor type) for 11kV, 1R X 3C X 240 Sqmm, XLPE, Aluminium conductor Armored cables Transformer side	2.00	No	0.00
11	Heat shrinkable end termination kit (Indoor type) for 11kV, 1R X 3C X 240 Sqmm, XLPE, Aluminium conductor Armored cables 11 KV HT panel side	2.00	No	0.00
12	Design, supply, laying in RCC trench, jointing, testing, commissioning of 3.3kV, U/G XLPE Aluminium conductor 1R X 3C X 50 Sqmm, confirming to relevant & latest IEC, Indian standards and State electricity regulations. The work shall be inclusive of suply instalation	500.00	Rmt	0.00
	testing commisioning of all accessories required for laying of 3.3kV cable as end termination kits, straight through joint kits (suitable for 3C X 50 Snmm aluminium cables)-500Mtrs			
13	Heat shrinkable end termination kit (indoor type) for 3.3kV, 1R X 3C X 50 Sqmm, XLPE, Aluminium conductor Armored cables Design, supply, laying in ground, jointing, testing, commissioning of 1100V, U/G XLPE Aluminium conductor 1RX 3.5C X 70 Sqmm,	5.00	No	0.00
14	confirming to relevant & latest IEC, Indian standards and State electricity regulations. The work shall be inclusive of suply ,instalation ,testing commisioning of all accessories required for laying of 1100V cable as end termination kits, straight through joint kits (suitable	150.00	Rmt	0.00
15	for 3C x 400 Somm aluminium cables1-IS0 Heat shrinkable end termination kit (indoor type+Outdoor) for 415V, 1R X 3.5C X 70 Sqmm, XLPE, Aluminium conductor Armored cables: Lt panel	2.00	No	0.00
16	Design, supply,installation, testing and commissioning PVC Pipe,LP point,Celling fan,batten holder, Socket,Switch,Run of Mains,DistributionBoard,G I PIPE EARTHING,FRLS PVC Insulated flexible copper wire,LIGHTING DISTRIBUTION BOARDS,EARTHING OF	1.00	LS	0.00
10	ELECTRICALEQUIPMENT,STREET LIGHT POLES,STREET LIGHTLEDLUMINAIRES,LTCables,HDPEPIPE,TERMINATION OF LT CABLE,UPS	1.00		0.00
17 i	Supply & installation of 1010 KVA OPEN DG Set comprising of Cummins make engine model KTA 38 G5 developing 1180 BHP Coupled to 1010 KVA, 3.3KV TDPS/STAMFORD make alternator mounted on a common base frame, complete with: Seur Betaura Pul	1.00	SET	0.00
	Supplied, installed and commissioned Self — water lubricated vertical turbine pumps complete with bowl assembly, suction bell mouth and strainer, column assembly, discharge head. Bowl Efficiency shall be Not be less than 87% with Vertical hollow shaft LT squirrel			
	cage induction motor ,Eff 1 rating having 10%more BHP than that of pump make capable operating on 3.3 Volts +/- 10%, 3 Phase, 50 Hz +/- 3% motor shall be flameproof/weatherproof, totally enclosed fan cooled suitable for installation in Class IDiv. I areas, gas groups			
1	C & D as per API –RP-500C and Zone-2, Gas Group-IIA/IIB, Temperature Class T3as per IS: 5572 certified by BASEFEFA, UK/LCIE, France / CESI, Italy or any other equivalent certificationbodies approved by European EcoNomic Community and FM, USA/ UL, USA or			
	Class-I, Division-I gasgroup IIA & IIB as per IS: 5572 and with IP-55 protection as per IS: 4691 or equivalent IEC standard complete as directed by Engineer-in-Charge.			
	DPS10 : 8460 m³/hr @11m Head Motor 380 kW/495 rpm/3.3Kv/TEFC-CACA-3Nos	3.00	No	0.00
2	Supply, installation, testing and commissioning of 11kV PANEL-800A/25KA 3 SEC (1 ICOG) OUTDOOR TYPE SWBD PANEL -IP 55-3Nos Supply, installation, testing and commissioning of 11kV / 3.3 kV 1600 kVA, ONAN, Natural Ester Oil Filled Transformer conforming to IS	3.00	No	0.00
3	Supply, Installation, testing and commissioning of 3.3KV 1900 KVA, Order, Natural Ester on Filed Transformer Continuing to 13 Supply, Installation, testing and commissioning of 3.3KV PANEL-800A/25KA 3 SEC (4 WAY + 1 BUS PT) INDOOR TYPE SWBD PANEL -IP	1.00	No	0.00
4	Supply, installation, testing and commissioning of 3.3kV, 380kW,Multi-level IGBT H bridge architecture with multi cellconfiguration	2.00	No	0.00
5	featuring contactless cellredundancy and equipped with power diode rectifier section integrated to Dry Type input transformer of class H insulation. DI/DO (6/10) AI/AO (4/2)-1Nos	1.00	No	0.00
6 7	Supply, installation, testing and commissioning of PLC System 11 KV/433V 100KVA Conventional Transformer, Single Pole.Structure with 9.1Mtr PSCC Pole,11 KV 200 Amps AB Switch, Erection of 11	1.00	No SET	0.00
	KV H.G. Fuse set	1.00	SET	0.00
8	Supply installation testing and commissioning of 3 phase and neutral 415V free standing floor mounted indoor LT panel made out of No.16 gauge CRCA sheet steel after 7 tank process and painting with powder coating. The panel shall consists of suitable rating TPN	1.00	No	0.00
	Alluminium busbar, 630A 4 Pole, 50kA MCCB, Cu bus bar, 63A / 60A 4 Pole MCCB,Digital meter,CT Digital Ammeter,Analog selector Analog IT-D indicator Jamos. Analog IT-current transformer-Canacitor bank Design, supply, Jaying in RCC trench, Jointing, testing, commissioning of 11kV, U/G XLPE Aluminium conductor 1R X 3C X 240 Sqmm,			
9	confirming to relevant & latest IEC, Indian standards and State electricity regulations. The work shall be inclusive of suply ,instalation ,testing commisioning of all accessories required for laying of 11kV cable as end termination kits, straight through joint kits (suitable for	500.00	Rmt	0.00
10	3C X 240 Sqmm aluminium cables)-500Mtrs Heat shrinkable end termination kit (outdoor type) for 11kV, 1R X 3C X 240 Sqmm, XLPE, Aluminium conductor Armored cables	2 00	No	0.00
10	Transformer side Heat shrinkable end termination kit (Indoor type) for 11kV, 1R X 3C X 240 Sqmm, XLPE, Aluminium conductor Armored cables 11 KV	2.00	No No	0.00
11	HT panel side Design, supply, laying in RCC trench, jointing, testing, commissioning of 3.3kV, U/G XLPE Aluminium conductor 1R X 3C X 50 Sqmm,	2.00	140	0.00
12	confirming to relevant & latest IEC, Indian standards and State electricity regulations. The work shall be inclusive of suply ,instalation ,testing commisioning of all accessories required for laying of 3.3kV cable as end termination kits, straight through joint kits (suitable	500.00	Rmt	0.00
13	for 3C X 50 Snmm aluminium cables)-500Mtrs Heat shrinkable end termination kit (indoor type) for 3.3kV, 1R X 3C X 50 Sqmm, XLPE, Aluminium conductor Armored cables	5.00	No	0.00
	Design, supply, laying in ground, jointing, testing, commissioning of 1100V, U/G XLPE Aluminium conductor 1RX 3.5C X 70 Sqmm, confirming to relevant & latest IEC, Indian standards and State electricity regulations. The work shall be inclusive of suply installation			
14	testing commissioning of all accessories required for laying of 1100V cable as end termination kits, straight through joint kits (suitable for 3C X 400 Samm aluminium cables)-150	150.00	Rmt	0.00
	TO SEA THE SENTING BUILDING CODES (120)			

15	Heat shrinkable end termination kit (indoor type+Outdoor) for 415V, 1R X 3.5C X 70 Sqmm, XLPE, Aluminium conductor Armored cables Lt panel	2.00	No		0.00
16	Design, supply,installation, testing and commissioning ,PVC Pipe,LP point,Ceiling fan,batten holder, Socket,Switch,Run of Mains,DistributionBoard,G. I PIPE EARTHING,FRLS PVC insulated flexible copper wire,LIGHTING DISTRIBUTION BOARDS,EARTHING OF ELECTRICALE/DUPMENT_STREET LIGHT EDULANIANTES,LTCables,DPGPPPE,TEMINATION OF LT CABLE_UPS	1.00	LS		0.00
17	Supply & installation of 1010 KVA OPEN DG Set comprising of Cummins make engine model KTA 38 G5 developing 1180 BHP Coupled to 1010 KVA, 3.3KV TDPS/STAMFORD make alternator mounted on a common base frame, complete with:	1.00	SET		0.00
1	Isopur Bramha Ashthan Supplied, installed and commissioned Self — water lubricated vertical turbine pumps complete with bowl assembly, suction bell mouth and strainer, column assembly, discharge head. Bowl Efficiency shall be Not be less than 87% with Vertical hollow shaft LT squirrel cage induction motor. Eff 1 rating having 10%more BHP than that of pump make capable operating on 3.3 Volts +/- 10%, 3 Phase, 50 Hz +/-3% motor shall be finame-profiveatherproof, totally enclosed fan codel suitable for installation in Casa BNL a Traess, gas groups C & D as per API -RP-50C and Zone-2, Gas Group-ILA/IIB, Temperature Class Tass per 1S: 5572 certified by BASEFEFA, UK/LCE, France / CESI, Italy or any other equivalent certificationbodies approved by European EcoNomic Community and PN, USA/ UL, USA Class-1, Division-1 gasgroup IIA & IIB as per 1S: 5572 and with IP-S5 protection as per IS: 4691 or equivalent IEC standard complete				
	as directed by Engineer-in-Charge. DPS11: 8568 m³/hr @10.5m Head Motor 380 kW/495 rpm/3.3Kv/TEFC-CACA-3Nos	3.00	No		0.00
2	Supply, installation, testing and commissioning of 11kV PANEL-800A/25KA 3 SEC (1 ICOG) OUTDOOR TYPE SWBD PANEL -IP 55-3Nos Supply, installation, testing and commissioning of 11kV / 3.3 kV 1600 kVA, ONAN, Natural Ester Oil Filled Transformer conforming to IS	3.00	No		0.00
3	1180with OLTC +/- 10%, RTCC. (NER Not in our scope)-1Nos Supply, installation, testing and commissionig of 3.3KV PANEL-800A/25KA 3 SEC (4 WAY + 1 BUS PT) INDOOR TYPE SWBD PANEL -IP	2.00	No No		0.00
5	42 AS PER CONTROL SCHEME-2Nos Supply, installation, testing and commissioning of 3.3kV, 380kW,Multi-level IGBT H bridge architecture with multi cellconfiguration featuring contactless cellredundancy and equipped with power diode rectifier section integrated to Dry Type input transformer of class	1.00	No		0.00
6	Hissulation, 1/1/100 (4/11) AI/AO (4/2)-1100 Supply, Installation, testing and commissioning of PLC System	1.00	No		0.00
7	11 KV/433V 100KVA Conventional Transformer, Single Pole. Structure with 9.1Mtr PSCC Pole, 11 KV 200 Amps AB Switch, Erection of 11 KV H.G. Fuse set	1.00	SET		0.00
8	Supply installation testing and commissioning of 3 phase and neutral 415V free standing floor mounted indoor LT panel made out of No.16 gauge CRCA sheet steel after 7 tank process and painting with powder coating. The panel shall consists of suitable rating TPN Alluminium busher, 630.4 P of Police, 504A MCPG. No bus bar, 63.4 / 60A 4 P ofe MCRG. Digital meter, Chipital Ammenter, Analos 1FD indicator lamns. Analon 1T current transformer Canacter hank. Design, Supply, Nyring in RCC trench, jointing, testing, commissioning of 11kV, U/G XUPE Aluminium conductor 1R X 3C X 240 Sqmm,	1.00	No		0.00
9	confirming to relevant & latest IEC, Indian standards and State electricity regulations. The work shall be inclusive of suply, instalation, testing commisioning of all accessories required for laying of 11kV cable as end termination kits, straight through joint kits (suitable for 3°C X 240 Smm aluminium cables)-S00Mrss.	500.00	Rmt		0.00
10	Heat shrinkable end termination kit (outdoor type) for 11kV, 1R X 3C X 240 Sqmm, XLPE, Aluminium conductor Armored cables Transformer side Heat shrinkable end termination kit (Indoor type) for 11kV, 1R X 3C X 240 Sqmm, XLPE, Aluminium conductor Armored cables 11 kV/	2.00	No		0.00
11	HT panel side Design, supply, laying in RCC trench, jointing, testing, commissioning of 3.3kV, U/G XLPE Aluminium conductor 1R X 3C X 50 Sqmm,	2.00	No		0.00
12	confirming to relevant & latest IEC, Indian standards and State electricity regulations. The work shall be inclusive of suply, instalation, Itesting commissioning of all accessories required for syling of 3.3kV cable as end termination kits, straight through joint kits (suitable for 2C X 50 Samm aluminium cables)-5000tts. Heat strinicable and termination kit (indoor type) for 3.3kV, IR X 3C X 50 Sgmm, XUEF, Aluminium conductor Armored cables	5.00	Rmt		0.00
	Design, supply, laying in ground, jointing, testing, commissioning of 1100V, U/G XLPE Aluminium conductor 1RX 3.5C X 70 Sqmm, confirming to relevant & latest IEC, Indian standards and State electricity regulations. The work shall be inclusive of suply, instalation				
14	testing commisioning of all accessories required for laying of 1100V cable as end termination kits, straight through joint kits (suitable for 3C X 400 Somm aluminium cables)-150	150.00	Rmt		0.00
15	Heat shrinkable end termination kit (indoor type+Outdoor) for 415V, 1R X 3.5C X 70 Sqmm, XLPE, Aluminium conductor Armored cables Lt panel	2.00	No		0.00
16	Design, supply,installation, testing and commissioning ,PVC Pipe,LP point,Ceiling fan,batten holder, Socket,Switch,Run of Mains,DistributionBoard,G.1 PIPE EARTHING,FISE PCI insalated flexible copper wine,LIGHTING DISTRIBUTION BOARDS,EARTHING OF ELECTRICALEQUIPMENT,STREET LIGHT POLES,STREET LIGHTLEDLIMINAIRES,LTCables,HDPEPIPE,TERMINATION OF LT CABLE,UPS	1.00	LS		0.00
17	Supply & installation of 1010 KVA OPEN DG Set comprising of Cummins make engine model KTA 38 G5 developing 1180 BHP Coupled to 1010 KVA, 3.3KV TDPS/STAMFORD make alternator mounted on a common base frame, complete with:	1.00	SET		0.00
1	Ghurdaur Nehru Path Supplied, Installed and commissioned Self — water lubricated vertical turbine pumps complete with bowl assembly, suction bell mouth and strainer, column assembly, discharge head. Bowl Efficiency shall be Not be less than 87% with Vertical hollow shaft LT squirel cage induction motor, Eff 1 rating having 10%more BMP than that of pump make capable operating on 3.3 Yolis +/- 10%, 3 Phase, 50 Hat +/-3% motor shall be Tameproviewetherprof, I cold seventable for installation in Cass IDN. 1 arces, sag groups C & D as per API –RP-500C and Zone-2, Gas Group-1IA/IIB, Temperature Class T3as per 1S: 5572 certified by B&SEFEFA, UK/LCEF, France / CEST, I styl or any other equivalent certificationbodies approved by European Ecohomic Community and FM, USAY U, USA or Class-1, Division-1 gasgroup IIA & IIB as per 1S: 5572 and with IP-55 protection as per 1S: 4691 or equivalent IEC standard complete as directed by Enrigineer-in-Charge.				
2	DPS12 : 6030 m³/hr @13.5m Head, Motor 350 kW/742 rpm/3.3Kv/TEFC-CACA-6Nos Supply, installation, testing and commissioning of 11KV PANEL-800A/25KA 3 SEC (1 ICOG) OUTDOOR TYPE SWBD PANEL -IP 55-6Nos	6.00 6.00	No No		0.00
3	Supply, installation, testing and commissioning of 11kV / 3.3 kV 1600 kVA, ONAN, Natural Ester Oil Filled Transformer conforming to IS 1180with OLTC +/- 10%. RTC. (NER Not in our scooel-2Nos	2.00	No		0.00
4	Supply, installation, testing and commissionig of 3.3KV PANEL-800A/25KA 3 SEC (4 WAY + 1 BUS PT) INDOOR TYPE SWBD PANEL -IP 42 AS PER CONTROL SCHEME-4Nos	4.00	No		0.00
5	Supply, installation, testing and commissioning of 3.3kV, 380kW,Multi-level IGBT H bridge architecture with multi cellconfiguration featuring contactless cellredundancy and equipped with power diode rectifier section integrated to Dry Type input transformer of class H insulation. DI/DO (6/III) AI/AD (4/27)-2Nos.	2.00	No		0.00
6 7	Supply, installation, testing and commissioning of PLC System 11 KV/433V 100KVA Conventional Transformer, Single Pole. Structure with 9.1Mtr PSCC Pole, 11 KV 200 Amps AB Switch, Erection of 11	1.00 1.00	No SET		0.00 0.00
8	KO H.G. Fuse set Supply installation testing and commissioning of 3 phase and neutral 415V free standing floor mounted indoor LT panel made out of No.16 gauge CRCA sheet steel after 7 tank process and painting with powder coating. The panel shall consists of suitable rating TPN Alluminium busbar, 630A 4 Pole, 50KA MCCB, Cu bus bar, 63A / 60A 4 Pole MCCB, Digital meter,CT Digital Ammeter,Analog selector. Analon LE Indicator learnes. Asalon LT current transference Anactor bank	1.00	No		0.00
9	Design, supply, laying in RCC trench, jointing, testing, commissioning of 11kV, U/G XLPE Aluminium conductor IR X 3C X 240 Sqmm, confirming to relevant & latest IEC, Indian standards and State electricity regulations. The work shall be inclusive of suply, installation lesting commisioning of all accessories required for laying of 11kV cable as end termination kits. straight through joint kits (suitable for	750.00	Rmt		0.00
10	3 of X and Scrimm alternitation rables-i-S00Mtrs. Heat shrinkable end termination kit (outdoor type) for 11kV, 1R X 3C X 240 Sqmm, XLPE, Aluminium conductor Armored cables Transformer side	2.00	No		0.00
11	Heat shrinkable end termination kit (Indoor type) for 11kV, 1R X 3C X 240 Sqmm, XLPE, Aluminium conductor Armored cables 11 KV HT panel side Dossign, supply, laying in RCC trench, jointing, testing, commissioning of 3.3kV, U/G XLPE Aluminium conductor 1R X 3C X 50 Sqmm,	2.00	No		0.00
12	confirming to relevant & latest IEC, Indian standards and State electricity regulations. The work shall be inclusive of suply, instalation, testing commissioning of all accessories required for laying of 3.3kV cable as end termination kits, straight through joint kits (suitable for % X SI) Somm alluminium cablest-SIMMtrs.	1500.00	Rmt		0.00
13	Heat shrinkable end termination kit (Indoor type) for 3.3kV, 1R X 3C X 50 Sqmm, XLPE, Aluminium conductor Armored cables Design, supply, laying in ground, jointing, testing, commissioning of 1100V, U/G XLPE Aluminium conductor 1RX 3.5C X 70 Sqmm,	9.00	No		0.00
14	confirming to relevant & latest IEC, Indian standards and State electricity regulations. The work shall be inclusive of suply ,instalation ,testing commissioning of all accessories required for laying of 1100V cable as end termination kits, straight through joint kits (suitable for 3°C x 400 Somm aluminium cable-1150).	150.00	Rmt		0.00
15	Heat shrinkable end termination kit (indoor type+Outdoor) for 415V, 1R X 3.5C X 70 Sqmm, XLPE, Aluminium conductor Armored cables Lt panel	2.00	No		0.00
16	Design, supply,installation, testing and commissioning "P/C Pipe,LP point,Ceiling fan,batten holder, Scicket,Switch,Run of Mains,DistributionBoard,G1 PIPE EARTHING,FRIS POL insalated flexible copper wine,LIGHTING DISTRIBUTION BOARDS,EARTHING OF ELECTRICALEQUIPMENT,STREET LIGHT POLES,STREET LIGHTLEDILIMINAIRES,LTCables,HDPEPIPE,TERMINATION OF LT CABLE,UPS	1.00	LS		0.00
17	Supply & installation of 1500 KVA OPEN DG Set comprising of Cummins make engine model KTA 50 G8-1 developing 1735 BHP Coupled to 1500 KVA,6.6KV TDPS/STAMFORD make alternator mounted on a common base frame, complete with:	1.00	SET		0.00
1	Khanpura Sappled, Installed and commissioned Self — water lubricated vertical turbine pumps complete with bowl assembly, suction bell mouth and strainer, column assembly, discharge head. Bowl Efficiency shall be Not be less than 87% with Vertical hollows shall. LT squirred lacege induction motor, Eff 1 acting having 10% more Belt than that of pump make capable operating on 3.3 volts ++ 10%, 9 hases, 50 lts ++5% motor shall be flameproof/weatherproof, totally enclosed fan cooled suitable for installation in Class IDN. I areas, gas groups C & D as per AF 1—PS-00C and Fonze-2, Gas Group-1IA/IB, Temperature Class T3sa per 15: S572 certified by BASEFEFA, UNI/CLE, France / CESI, Italy or any other equivalent certificationbodies approved by European Ecolomic Community and FM, USA/UL, USA or USAS-1, Division-10 gasgroup IDA & IBB as per 15: S572 certified romplete				
	Classis, Divisions 1939/1000 FIA & IB as per 15: 5372 and with 18-55 protection as per 15: 4691 of equivalent IEC standard complete as directed by Engineer-in-Charge. DPS13:11262 m³/hr @11.5m Head Motor 550 kW/95 rpm/3.3kV/TEFC-CACA-9Nos	9.00	No		0.00
2	Supply, installation, testing and commissioning of 11KV PANEL-800A/25KA 3 SEC (1 ICOG) OUTDOOR TYPE SWBD PANEL -IP 55-9Nos	9.00	No		0.00
3	Supply, installation, testing and commissioning of 11kV / 3.3 kV 2000 kVA, ONAN, Natural Ester Oil Filled Transformer conforming to IS 1180 with OLTC - VI-10%. RTCC. (NER Not in our scope)-3Nos Uspply, installation, testing and commissioning of 3.3NV PANEL-800A/25KA 3 SEC (4 WAY + 1 BUS PT) INDOOR TYPE SWBD PANEL-IP	3.00	No		0.00
4	42 AS PER CONTROL SCHEME-6Nos Supply, installation, testing and commissioning of 3.3kV, 550kW,Multi-level IGBT H bridge architecture with multi cellconfiguration	6.00	No		0.00
5	featuring contactless cellerdundancy and equipped with power diode rectifier section integrated to Dry Type input transformer of class H inculation. DI/Dio (6/11) AI/AO (4/2)-3Noc Supply, Installation, testing and commissioning of PLC System	1.00	No No		0.00
7	Supply, installation, testing and commissioning of PLL System It KV/433V 100KVA Conventional Transformer, Single Pole. Structure with 9.1Mtr PSCC Pole, 11 KV 200 Amps AB Switch, Erection of 11 KV H.G. Fluse set	1.00	SET		0.00
8	Supply installation testing and commissioning of 3 phase and neutral 415V free standing floor mounted indoor LT panel made out of No.16 gauge CRCA sheet steel after 7 tank process and painting with powder coating. The panel shall consists of suitable rating TPM Alluminium bushar 630.4 4 Pole Slokk MCCB. Cu bus bar, 63.4 6 (60.4 Pole MCB Diotal meter CT Diotal Ammer Analoo	1.00	No		0.00
9	selector. Analou I FD. Indicator Jamos. Analou I T. current transfirmer. Canacitor hank. Design, supply, slying in RCC trench, jointing, testing, commissioning of IJIX, U/IC XUPE Aluminium conductor IR X 3C X 240 Sqmm, confirming to relevant & latest IEC, Indian standards and State electricity regulations. The work shall be inclusive of suply, instalation, lesting commissioning of all accessories required for laying of IJIX coldes are not termination hist, straight through joint list (suitable for	1000.00	Rmt		0.00
10	2 Y X 240 Somm aluminium cables\-S00Mtrs Heat shrinkable end termination kit (outdoor type) for 11kV, 1R X 3C X 240 Sqmm, XLPE, Aluminium conductor Armored cables Transformer skie	4.00	No		0.00
11	Heat shrinkable end termination kit (Indoor type) for 11kV, 1R X 3C X 240 Sqmm, XLPE, Aluminium conductor Armored cables 11 KV HT panel side	4.00	No	_	0.00

12	Design, supply, laying in RCC trench, jointing, testing, commissioning of 3.3kV, U/G XLPE Aluminium conductor 1R X 3C X 50 Sqmm, confirming to relevant & latest IEC, Indian standards and State electricity regulations. The work shall be inclusive of suply, instalation, itesting commissioning of all accessories required for laying of 3.3kV cable se and termination tiels, straight through joint its (suitable)	2500.00	Rmt	0.00	
13	Heat shrinkable end termination kit (indoor type) for 3.3kV, 1R X 3C X 50 Sqmm, XLPE, Aluminium conductor Armored cables	18.00	No	0.00	
14	Design, supply, laying in ground, jointing, testing, commissioning of 1100V, U/G XLPE Aluminium conductor 1RX 3.5C X 70 Sqmm, confirming to relevant & latest IEC, Indian standards and State electricity regulations. The work shall be inclusive of suply, instalation, testing commissioning of all accessories required for laying of 1100V cable as end termination kits, straight through joint kis (suitable)	150.00	Rmt	0.00	
15	for 3C X 400 Somm aluminium cables\-150 Heat shrinkable end termination kit (indoor type+Outdoor Type) for 415V, 1R X 3.5C X 70 Sqmm, XLPE, Aluminium conductor Armored	2.00	No	0.00	
16	cables Lt based Design, supply.installation, testing and commissioning ,PVC Pipe,LP point,Celling fan,batten holder, Socket,Switch,Run of Mains,DistributionBoard,G I PIPE EARTHING,FRLS PVC insulated flexible copper wire,LIGHTING DISTRIBUTION BOARDS,EARTHING OF ELECTRICAL EQUIPMENT,STREET LIGHT POLES,TREET LIGHT.TELDURMINATES,LTCABBE, PIDEPIPE,TERMINATION OF LT. CABBLE,UPS 1. The property of the	1.00	LS	0.00	
17	Supply & installation of 1500 KVA OPEN DG Set comprising of Cummins make engine membel KTA 50 G8-I developing 1735 BHP Coupled to 1500 KVA,6.6kV TDPS/STAMFORD make alternator mounted on a common base frame, complete with	2.00	SET	0.00	
1	Barmutta Supplied, installed and commissioned Self — water lubricated vertical turbine pumps complete with bowl assembly, suction bell mouth and strainer, column assembly, discharge head. Bowl Efficiency shall be Not be less than 87% with Vertical hollow shaft LT squirrel cage induction motor, Eff I rating having 10%more BHP than that of pump make capable operating on 3.3 Volts 4/- 10%, 3 Phase, 50 Hz +/-3% motor shall be finameron/weatherproof, totally enclosed fan coded suitable for installation in Cass IDN. I areas gas groups C & D as per API –RP-500C and Zone-2, Cas Group-IIA/IIB, Temperature Class T3as per IS: 5972 certified by BASEFEFA, UK/LCIE, France / CESJ, Italy or any other equivalent certificationbodies approved by European EcoNomic Community and FM, USA/ UL, USA or Class-I, Division-I gasgroup IIA & IIB as per IS: 5972 and with IP-53 protection as per IS: 4691 or equivalent IEC standard complete as directed by Engineer-in-Charge. DPSI3: 1126.28 m-7/m @11.5m Head Motor 550 KW/495 rpm/3.3Ky/TEFC-CACA-9Nos	9.00	No	0.00	
2	Supply, installation, testing and commissioning of 11KV PANEL-800A/25KA 3 SEC (1 ICOG) OUTDOOR TYPE SWBD PANEL -IP 55-9Nos	9.00	No	0.00	
3	Supply, installation, testing and commissioning of 11kV, 3.3 kV 2000 kVA, ONAN, Natural Ester Oil Filled Transformer conforming to IS 1180with OLTC +/- 1096, RTCC. (NER Not. in our scooe)-3Nos Supply, installation, testing and commissioning of 3.3KV PANEL-800A/25KA 3 SEC (4 WAY + 1 BUS PT) INDOOR TYPE SWBD PANEL -IP	3.00	No	0.00	
4	Supply, installation, testing and commissioning of 3.3kV, 550kW,Multi-level IGBT H bridge architecture with multi celiconfiguration	6.00	No	0.00	
5	featuring contactless cellredundancy and equipped with power diode rectifier section integrated to Dry Type input transformer of class H insulation. DI/DO (6/10) AI/AO (4/2)-3Nos	3.00	No	0.00	
7	Supply, installation, testing and commissioning of PLC System 11 KV/433V 100KVA Conventional Transformer, Single Pole.Structure with 9.1Mtr PSCC Pole,11 KV 200 Amps AB Switch, Erection of 11 KV VI.G. Fuse Supply	1.00	No SET	0.00	
8	Supply installation testing and commissioning of 3 phase and neutral 415V free standing floor mounted indoor LT panel made out of No.16 sauge CRCA sheet steel after 7 tank process and painting with powder coating. The panel shall consists of suitable rating TPM Aluminium busher, 630A 4 Pole. SNA MCCB. Oblat In meter CT Dioltal Ammeter Analog	1.00	No	0.00	
9	selectric Anakor I FD indicator lamos. Anakor I T. cirizent transformer Canachtor hank Design, supply, laying in RCC trench, jointing, testing, commissioning of 11kV, USC ALIPE Aluminium conductor 1R X 3C X 240 Sqmm, confirming to relevant & latest IEC, Indian standards and State electricity regulations. The work shall be inclusive of suply ,instalation ,testing commissioning of all accessories required for laying of 11kV cable as end termination kits, straight through joint kits (suitable for 3C X 240 Sqmm aluminium cables-500thtrs	1000.00	Rmt	0.00	
10	Heat shrinkable end termination kit (outdoor type) for 11kV, 1R X 3C X 240 Sqmm, XLPE, Aluminium conductor Armored cables Transformer side	4.00	No	0.00	
11	Heat shrinkable end termination kit (Indoor type) for 11kV, 1R X 3C X 240 Sqmm, XLPE, Aluminium conductor Armored cables 11 KV HT panel side: Dosign, supply, Jaying in RCC trench, jointing, testing, commissioning of 3.3kV, U/G XLPE Aluminium conductor 1R X 3C X 50 Sqmm,	4.00	No	0.00	
12	Design, supply, supply, laying in Kt. Deficit, jointing, testing, commissioning of 3xxx, v/o ALPE Audinnium Conductor in KX 3C A SO Sqrim, confirming to relevant & latest Life, Indian standards and State electricity regulations. The work shall be inclusive of supply, instalation, itesting commissioning of all accessories required for laying of 3.3kV cable as end termination kits, straight through joint kits (suitable for 3C X 50 Sqrima aluminium, cables-500Mtrs.	2500.00	Rmt	0.00	
13	Heat shrinkable end termination kit (indoor type) for 3.3kV, 1R X 3C X 50 Sqmm, XLPE, Aluminium conductor Armored cables Design, supply, laying in ground, jointing, testing, commissioning of 1100V, U/G XLPE Aluminium conductor 1RX 3.5C X 70 Sqmm,	18.00	No	0.00	
14	confirming to relevant & latest IEC, Indian standards and State electricity regulations. The work shall be inclusive of suply instalation itesting commissioning of all accessories required for laying of 1100V cable as end termination kits, straight through joint kits (suitable for 3°C X 400 Somma laminium; cables-150).	150.00	Rmt	0.00	
15	Heat shrinkable end termination kit (indoor type+Outdoor Type) for 415V, 1R X 3.5C X 70 Sqmm, XLPE, Aluminium conductor Armored cables Lt panel	2.00	No	0.00	
16	Design, supply,installation, testing and commissioning ,PVC Pipe,LP point,Celling fan,batten holder, Socket,Switch,Run of Mains,DistributionBoard,G I PIPE ARATHING,FIRS FOY Insalated fleeble copper wire,LIGHTING DISTRIBUTION BOARDS,EARTHING OF ELECTRICALEQUIPMENT,STREET LIGHT POLES,STREET LIGHTLEDLUMINAIRES,LTCables,HDPEPIPE,TERMINATION OF LT CABLE,UPS	1.00	LS	0.00	
17 o	Supply & Installation of 1500 KVA OPEN DG Set comprising of Cummins make engine model KTA 50 G8-1 developing 1735 BHP Coupled to 1500 KVA,6.6kV TDPS/STAMFORD make alternator mounted on a common base frame, complete with: Canal DPS Canal DPS	2.00	SET	0.00	
1	Supplied, installed and commissioned Self — water lubricated vertical turbine pumps complete with bowl assembly, suction bell mouth and strainer, column assembly, discharge head. Bowl Efficiency shall be Not be less than 87% with Vertical holiow shaft LT squired age induction motor, Eff I rating having 10%more Bif P than that of pump make capable operating on 3.7 Volts +/ 10%, 3 Phase, 50 Hz +/-3% motor shall be flameproof/weatherproof, totally enclosed fan cooled suitable for installation in Class IDN. I areas, gas groups C 8.0 as per AP I-RP-500C and Zone-2, Cass Group-IJAIIB, Temperature Class Tsas per IS: 572 certified by BASEFFRA, UK/LICE, France / CESI, Italy or any other equivalent certificationbodies approved by European EcoNomic Community and FM, USA/ UL, USA or Class-I, Division-I gasgroup IIA & IIB as per IS: 572 and with IP-55 protection as per IS: 4691 or equivalent IEC standard complete as directed by Engineer-in-Changer.				
2	DPS15: 6444 m³/hr: @9m Head, Motor 350 kW/742 rpm/3.3Kv/TEFC-CACA-6Nos Supply, installation, testing and commissioning of 11kV PANEL-800A/25KA 3 SEC (1 ICOG) OUTDOOR TYPE SWBD PANEL -IP 55-6Nos	6.00 6.00	No No	0.00	
3	Supply, installation, testing and commissioning of 11kV / 3.3 kV 1600 kVA, ONAN, Natural Ester Oil Filled Transformer conforming to IS	2.00	No	0.00	
4	1180with OLTC + J 109s. RTCC. (NER Not in our scope) 2Nos Supply, installation, testing and commissionig of 3.3KV PANEL-800A/25KA 3 SEC (4 WAY + 1 BUS PT) INDOOR TYPE SWBD PANEL-IP 42 AS PER CONTROL SCHEME-4Nos	4.00	No	0.00	
5	Supply, installation, testing and commissioning of 3.3kV, 380kW, Multi-level IGBT H bridge architecture with multi cellconfiguration featuring contactiess cellredundancy and equipped with power diode rectifier section integrated to Dry Type input transformer of class H insulation. DIPDC (6/10) AI/OC (4/2)-2Nos	2.00	No No	0.00	
7	Supply, installation, testing and commissioning of PLC System It IX/4/33Y 100KYA Conventional Transformer,Single Pole-Structure with 9.1Mtr PSCC Pole,11 KV 200 Amps AB Switch,Erection of 11 KV H.G. Fixes ext	1.00	SET	0.00	
8	Supply installation testing and commissioning of 3 phase and neutral 415V free standing floor mounted indoor LT panel made out of No.16 gauge CRCA sheet steel after 7 tank process and painting with powder coating. The panel shall consists of suitable rating TPN Alluminium busbar, 630A 4 Pole, 50AA M CRG, 50AA M CRG, 50AA M CRG, 50AG M CRG,	1.00	No	0.00	
9	confirming to relevant & latest IEC, Indian standards and State electricity regulations. The work shall be inclusive of suply instalation, itesting commissioning of all accessories required for laying of 11kV cable as end termination kits, straight through joint kits (suitable for 3X 240 Smm) aluminium cables-S00Mrs 6	750.00	Rmt	0.00	
10	Heat shrinkable end termination kit (outdoor type) for 11kV, 1R X 3C X 240 Sqmm, XLPE, Aluminium conductor Armored cables Transformer side	2.00	No	0.00	
11	Heat shrinkable end termination kit (Indoor type) for 11kV, 1R X 3C X 240 Sqmm, XLPE, Aluminium conductor Armored cables 11 KV HT naniel side Dosign, supply, laying in RCC trench, jointing, testing, commissioning of 3.3kV, U/G XLPE Aluminium conductor 1R X 3C X 50 Sqmm,	2.00	No	0.00	
12	confirming to relevant & latest IEC, Indian standards and State electricity regulations. The work shall be inclusive of suply, instalation, leasting commisioning of all accessories required for laying of 3.3kV cable as end termination kits, straight through joint kits (suitable for 3° X x ft Somm aluminium cablest-000thrs).	1500.00	Rmt	0.00	
13	Heat shrinkable end termination kit (indoor type) for 3.3kV, 1R X 3C X 50 Sqmm, XLPE, Aluminium conductor Armored cables Design, supply, laying in ground, jointing, testing, commissioning of 1100V, U/G XLPE Aluminium conductor 1RX 3.5C X 70 Sqmm,	9.00	No	0.00	
14	confirming to relevant & latest IEC, Indian standards and State electricity regulations. The work shall be inclusive of suply installation, lesting commissioning of all accessories required for laying of 100V cable as end termination kits, straight through joint kits (suitable for 3°C 400 Somm aluminium rahies)-150 Heat shrinkable end termination kit (indoor type+0utdoor) for 415V, IR X 3.5°C X 70 Somm, XUPE, Aluminium conductor Armored	150.00	Rmt	0.00	
15	neat strimkable end termination kit (indoor type+Outcoor) for 415V, IR X 3.5C X 70 Sqmm, XLPE, Aluminium Conductor Armored Cables. It Daniel. Design, supply,installation, testing and commissioning ,PVC Pipe,LP point,Ceiling fan,batten holder, Socket,Switch,Run of	2.00	No	0.00	
16	Mains, DistributionBoard, G. I PIPE BARTHING, FIRLS PVC. Insulated flexible copper wire, LICHTING DISTRIBUTION BOARDS, EARTHING OF ELECTRICALEQUIPMENT, STREET LIGHT POLES, STREET LIGHT LEDLUMINAIRES, LTCables, HDPEPIPE, TERMINATION OF LT CABLE, UPS Supply & installation of 1500 KVA OPEN DG Set comprising of Cummins make engine model KTA 50 G8-1 developing 1736 BRP Coupled	1.00	LS	0.00	
17	Supply of installation 1.300 KW OFER OS Set Company in cultimins make engine moder KY 30 GS*1 developing 1735 BFF Coupled to 1500 KWA,6.6KV TDPS/STAMFORD make alternator mounted on a common base frame, complete with: 100KWA DG SET	1.00	SET	0.00	
	Supply & installation of 100 KVA OPEN DG Set comprising of Cummins make engine 415 V STAMFORD make alternator mounted on a	13.00	SET	0.00	
	common base frame, complete with:VCB, C&R , Nis & NGR ,Acoustic enclosure Exhaust system, power cable,control cable Etc	1	Total Cost (A)	0.00	
			Γ @12% on (A)	0.0	
	Labour Cess @ 1% on (A) 0.00 Grand Total Amount of Project in Figure 0.00				