


**HYDERABAD METROPOLITAN WATER SUPPLY AND SEWERAGE BOARD**  
**OFFICE OF THE DIRECTOR TECHNICAL**  
**KHAIRATABAD: HYDERABAD-500004**

Sl. No.	Notice No. and Date	Name of work	Start date & End date
1.	<u>CGM(Elect)/DT</u> <u>/Lowest quotations/20</u> <u>24-25/ 469</u> <u>Dt: 25.07.2024</u>	<b><u>List-I</u></b> 1) Supply, delivery of various mandatory spares for 6.6KV pumping station and substation like spares for HSC- UPHS50/110, KBL make, HSC pump sets like Pump Impellers, Mechanical seals, Pump Shaft, Pump shaft Sleeves, WEG Motor bearings, 6.6KV VCBs, RVTs and Battery charger spares etc., for 6.6KV, 3000KW, Pumping Station at Mallaram and Kondapaka under GDWSS, Phase-I, of GM(E) O&M Division XXI, Control room, Secunderabad. 2) Supply, delivery of various mandatory spares for 6.6KV Vertical pumpset pumping station with model of VT-2646/3 stage and 24WLN46 Model WPIL HSC pump sets like Thrust bearing Housing assembly, Packing box assembly, SF6 circuit breaker, 6.6KV Trolley VCBs, battery charger spares etc., for raw Pumping Stations at Murmur Secunderabad. and Bommakal under Godavari Drinking Water Supply Scheme, Phase-I of GM(E), O&M Division-XXI, Control room, Secunderabad <b><u>List-II</u></b> Supply, delivery, repairs of various items in all O&M Circles of HMWS&SB.	Dt.30.07.2024 to 09.08.2024

1. The registered Electrical/Mechanical contractors/firms are requested to upload the information in the 'ZIP' format preferably to the Mail ID: [hmwssbelectrical@gmail.com](mailto:hmwssbelectrical@gmail.com)
2. Registration/incorporation certificate shall be enclosed.
3. Bidders shall submit their sealed quotations in hard copy to the office of the Chief General Manager(Electrical), HMWSSB, Board Office, Khairatabad, Hyd-500004
4. For any enquires contact, Mobile No. 9493120787.

  
 Chief General Manager (Elect),  
 HMWSSB.

**HYDERABAD METROPOLITAN WATER SUPPLY AND SEWERAGE BOARD**  
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**KHAIRTABAD: HYDERABAD-500004**

List - I

**Name of the work: HMWS&SB - Supply, delivery of various mandatory spares for 6.6KV pumping station and substation like spares for HSC-UPH550/110, KBL make HSC pump sets like pump impellers, mechanical seals, Pump shaft, pump shaft sleeves, WEG Motor bearings, 6.6KV VCB s, RVTs and Battery charger spares etc. for 6.6 KV, 3000KW, Pumping Station at Mallaram and Kondapaka under GDWSS Phase-I of GM(E), O&M Division-XXI, Control room Secunderabad- Request for approval - lowest quotation - Req - Reg**

Sl.No.	Description of item	Bidder quoted rate
1	Supply and delivery of PUMP Impeller, Part-159001. MOC code: 232, Model: HSC UPH550/110, KBL make, material of construction: CF8M/ WCB/SS410, and to suit the existing system including cost of material. labour charges for loading and unloading. transportation to departmental officers. work site at Kondapaka punnping station and as directed by the departmental officers.	
2	Supply and delivery of M-SEAL-L/P 90B/CG, 195MM, B322106-R2, part-0, Model: HSC-UPH550/110, KBL make, material of construction: KBL STANDARD, and to suit the existing system including cost of material, labour charges for loading and unloading transportation to work site at Kondapaka Pumping station and as directed by the	
3	Supply and delivery of PUMP SHAFT, Part-1800201, Model : HSC UPH550/110, KBL make, material of construction: ASTMA276-410, and to suit the existing system including cost of material, labour charges for loading and unloading, transportation to work site at Kondapaka Pumping station and as directed by the departmental officers.	
4	Supply and delivery of SHAFT SLEEVE (DE plus NDE) Part-3100002, Model: HSC-UPH550/110, KBL make, material of construction: ASTMA276 410, and to suit the existing system including cost of material, labour charges for loading and unloading, transportation to work site, insurance and as directed by the departmental officers.	
5	Supply and delivery of 6.6KV, 3000 Amps, 40KA Spare VCB Trolley type HWX with PTs, Tripping & Closing coil Voltage of 220VDC Spring charging Motor 230V AC, as a Incoming feeder to pump house, make of Schneider Electric, and to suit the existing system includ1ng cost of material, labour charges for loading and unloading. transportation to work site at Mallaram and Kondapaka substations and as directed by the departmental officers.	
6	Supply and delivery of 6.6KV, 3000 Amps, 40KA Spare VCB Trolley type HWX with PTs, Tripping & Closing coil Voltage of 220VDC Spring charging Motor 230V AC, as a Incoming feeder to pump ectric, and to suit the existing system including cost of material, labour charges for loading and unloading, transportation to work site at Mallaram pumping station and as directed by the departmental officers.	
7	Supply and delivery of 6.6KV, 630 Amps, 40KA Spare VCB Trolley type HWX . Triping & closing coil Voltage of 220VDC , Spring charging Motor 230V AC, as a Capacitor feeder breaker, make of Schneider Electric, including cost of materal, labour charges for loading and unloading, transportation to work site, insurance and as directed by the departmental officers	
8	Sunply and delvery of 160Amps, HT. Fuses 7.2KV rated. Make: Bussmann, 6.6 KV Bus Capaitor bank/Individual motor feeders confirming to IS 13925 including the cost of material and transportation to site at Mallaram Pumping station and as directed by the departmental oftcials.	
9	Supply, delivery and fixing of 6.9 KV, 50HZ, RVT ratio of KV/110- 190V residual voltage transformer, oil cool type, class of insulation B, to with stand the ambient Temperature of 50°C for and to suit the existing system of 3MVAR Yard Capacitor banks to suit the existing system at Mallaram including the cost of material and transportation etc., complete as directed by the departmental officers	

10	Supply, delivery and fixing of 6.9 KV, 50HZ, RVT ratio of KV/110- 190V residual voltage transformer, oil cool type, class of insulation B, to with stand the ambient Temperature of 50°C for and to suit the existing system of 3MVAR Yard Capacitor banks to suit the existing system at Kondapaka including the cost of material and transportation etc., complete as directed by the departmental officers	
11	Supply and delivery of" PCBs for 220V, 30-40A, rated, Battery charger, like of power card, auxiliary control card, over voltage and UV card (Power Module cards),- 4Nos make of Kirloskar Electric, and to suit the existing system, including cost of material, labour charges for loading and unloading, transportation to work site at Mallaram and as direted by the departmental officers.	
12	Supply and delivery of" PCBs for 220V, 30-40A, rated, Battery charger, like of power card, auxiliary control card, over voltage and UV card (Power Module cards),- 4Nos make of Kirloskar Electric, and to suit the existing system, including cost of material, labour charges for loading and unloading, transportation to work site at Kondapaka and as directed by the departmental officers.	
13	Supply, deivery and Transportation of Driving End Bearing No.NU240ECM/C3, roller bearing and model no. MGF630B, for 6.6kV, 3000KW and lubricant is SKF LGHP2 for WEG Motor with all accessories including cost and conveyance of all materials etc. complete at Kondapaka Pumping station and as directed by the departmental officials.	
14	Supply, delivery and Transportation of Driving End Bearing No.6240M/C3 ball bearing and model no. MGF630B, for 6.6KV, 3000KW and lubricant is SKF LGHP2 for WEG Motor with all accessories including cost and conveyance of all materials etc. complete at Kondapaka Pumping station and as directed by the departmental officials.	

**Note:**

1. Kondapaka - 83 KM from hyderabad((Approximately)
2. Mallaram - 141 KM from hyderabad ((Approximately)

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List - II

**Name of the work: HMWS&SB - Supply, delivery of various mandatory spares for 6.6KV Vertical pump set pumping station with model of VT- 2646/3 stage and 24WLN46 Model WPIL HSC pump sets like Thrust bearing Housing assembly, packing box assembly, SF6 circuit breaker, 6.6KV Trolley VCBs, battery charger spares etc. for raw Pumping Stations at Murmur and Bommakal under Godavari Drinking Water Supply Scheme, Phase-I of GM(E), O&M Div. No. XXI, Control room, Secunderabad- lowest quotation - Req - Reg**

Sl.No.	Description of item	Bidder quoted rate
1	Supply and delivery of THRUST BRG. HOUSING ASSEMBLY, (Rachet plate with 7nos of pins, thrust pads and water cooling copper piping). Part-40, Model: VT- 26-46/3 Stage, WPIL. make, material of construction: FG260/WPIL'S STD, including cost of material, labour officers. charges for loading and unloading, transportation to work site at Murmur pumping station, and as directed by the departmental officials.	
2	Supply and delivery of PACKING BOX ASSEMBLY, ( stuffing boX with 2nos of Top & Bottom copper rings) Part-35, Model : VT- 26-46/3 Stage, WPIL make, material of construction: FG260, including cost of material, labour charges for loading and unloading, transportation to work site at Murmur pumping station and as directed by the departmental officers.	
3	Supply and delivery of 6.6KV, 3000 Amps, 40KA Spare VCB Trolley type HWX with PTs, Tripping & Closing coil Voltage of 220VDC. Spring charging Motor 230V AC, as a Incoming feeder to pump house, make of Schneider Electric, and to suit the existing system  including cost of material, labour charges for loading and unloading, transportation to work site at Murmur Pumping station & substation and as directed by the departmental officers.	
4	Supply and delivery of 6.6KV, 3000 Amps, 40KA Spare VCB Trolley type HWX with PTs, Tripping & Closing coil Voltage of 220VDC, Spring charging Motor 230V AC, as a Incoming feeder to pump house, make of Schneider Electric, and to suit the existing system including cost of material, labour charges for loading and unloading, transportation to work site at Bommakal pumping station & substation and as directed by the	
5	Supply and delivery of 6.6KV, 630 Amps, 40KA Spare VCB Trolley type HWX, Triping & closing coil Voltage of 220VDC , Spring charging Motor 230V AC, as a Capacitor feeder breaker, make of Schneider Electric, including cost of material, labour charges for loading and unloading, transportation to work site at Murmur pumping station and as directed by the departmental officers.	
6	Supply and delivery of SF6 CIRCUIT BREAKER TYPE GL 3 14, 245 KV, 3150 AMPS, duration of short ckt-40 KA, SF6 gas pressure at 20deg. is 0.75Mpa, make of AREVA/CG/ABB to suit the existing system (CB SLNo.152935) including gas filling equipment & 40Kgs cylinders  2Nos, cost of material, labour charges for loading and unloading, transportation to work site, and as directed by the departmental officers, sites of Murmur & Bommakal.	
7	supply and delivery of PCBs for 220V, 30-40A, rated, Battery charger, like of power card, auxiliary control card, over voltage and Uv card (Power Module cards),- 4Nos make of Kirloskar Electric, and to suit the existing system, including cost of material, labour charges tor loading and unloading, transportation to work site at Murmur and as directed by the departmental officers.	
8	Supply and delivery of" PCBs for 220V, 30-40A, rated, Battery charger, like of power card, auxiliary control card, over voltage and UV card (Power Module cards),- 4Nos make of Kirloskar Electric, and to suit the existing system, including cost of material, labour charges tor loading and unloading, transportation to work site at Bommakal and as directed by the departmental officers.	

9	Supply, delivery and Transportation of Electrically operated auma make, actuator with 3Phase, Frame; AM-71,1.1KW, RPM: 2800, Duty : S2-15Min, version : V1.1, epac system, code. 415-A-C-V1.1-E-0-2, type : SA 15E63, T- close & T-open : 50-150Nm min/max. IP-67, RPM: 63, to suit the existing 900mm dia delivery butterfly valves and with all accessories including cost and conveyance of all materials etc., complete and as directed by the departmental officials.	
a	Murmur raw water pumping station	
b	Bommakal raw water pumping station	
c	Mallaram clear water pumping station	

**Note:**

1. Murmur- 224 KM from hyderabad (Approximately)
2. Bommakal- 163 KM from hyderabad(Approximately)

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**List - III**

**Name of the work: HMWS&SB - Supply of certain materials pertaining to O&M circles - lowest quotation - Req - Reg**

Sl. No.	Description of item	Make/Model	Bidder quoted rate
1	Supply of 5HP, 25 stages, bore well submersible pump set with 2" delivery, 415 volts, 3 phase, ISI make as directed by the departmental officials		
2	Supply & fixing of 51 mm ID HDPE pipe as per IS mark with including the cost of pipe & its fittings & labour charges		
3	Supply and fixing of single phase preventor for phase failure protection		
4	Supply and fixing of 50mm dia GI blends		
5	Supply and fixing of 6" Casing coupling		
6	Supply and fixing of 50mm dia GI couplings		
7	Supply and fixing of 50mm dia GI nipples		
8	Supply and fixing of 50mm dia GI union joints		
9	Supply of PVC insulated coper wire, removing burnout wire from stator, Re-winding of 10 HP submersible motor, inter connections, testing IR values etc including cost of material after deducting the cost of old materials.		
10	Supply of PVC insulated coper wire, removing burnout wire from stator, Re-winding of 7.5 Hp submersible motor, inter connections, testing IR values etc including cost of materials after deducting the cost of old materials		
11	Supply of PVC insulated coper wire, removing burnout wire from stator, Re-winding of 5 HP submersible motor, inter connections, testing IR values etc including cost of materials after deducting the cost of old materials.		
12	Supply of bush bearings, truss beanngs, impeller set, repairing and servicing to 2/3/5/7.5/10 HP pump, re assembling the pump etc, including cost of materials and labour charges etc.,		
13	supply and fixing of cable Jointing kit for PVC flat cable service wire including conveyance of etc., complete.		
14	supply and fixing of bore covers and 2Nos clamps, Nrc and MS Nipples , Bends etc., complete. In place ofdamaged as directed by the departmental officer		
15	40/50mm Dia HDPE pipe and 3/5/7.5 Hp bore well submersible pumpset		
16	supply PVC insulated copper wire, rewinding 3 HP submersible pump set		
17	providing flushing of borewell by engaging mobile air compressor		
18	Supply and fixing of 6" Casing pipe		
19	providing flushing of borewell by engaging mobile air compressor		
20	supply PVC insulated copper wire, rewinding 10 HP submersible pump set		
21	Supply and fixing of 50mm dia GI 'T' joints		
22	supply PVC insulated copper wire, rewinding 7.5 HP submersible pump set		
23	PVC insulated copper wire, rewinding 5 HP submersible motor		
24	650A ACB, 200A TNP SFU-1Nos, 160A MCCB-1Nos, 55A contactors-4Nos, 50A contactors-1Nos		
25	supply of centrifugally 200mm ductile iron pressure pipes with double flanged		
26	DI double flange reducer 400x250mm		
27	Supply, delivery & erection of MS plates delivery lines of 26 Kw/35 HP		
28	Supply delivery and laying of 1" x 1/4" GI flats for earthing of motors		
29	Supply and laying of 3mtr x 2mtr x 12mm thick rubber matting		
30	Supply delivery and fixing PN-16, 300mm DI/slucice valve		
31	Supply and delivery of shaft for 220 HP		
32	Supply and delivery of SS 316 bolts, nuts washers set for fixing 220HP pump		
33	Supply and delivery of 16mm gland roof of charminar make to the 220 HP pump		
34	Supply & fixing of new roller bearings of SKF make suitable for 215 HP pumpset		
35	supply and fixing of new SS bushes of 215 HP		
36	Supply of gland rope of 16 sqmm to 215 HP pumpset		
37	Supply and fixing of mechanical pulley set, rubber bushes, nuts and bolts ect.,		
38	supply and fixing of No VOLT coil for 215 HP starter MNX2365/125/400		

39	Supply, delivery and fixing of New SFU unit (SWITCH 49,700.00 49,700.00 FUSE UNIT) S.F.U. is a combination of a switch and a Fuse when the breaker is operated, the contacts get closed through switch and the supply flows through fuse unit to the output and replacement of internal damaged parts and control wiring including cost and conveyances, labour charges etc., complete.,		
40	Supply, delivery and fixing of new ball bearings suitable to 40 HP pumps by removing the damaged old brush bearings and fixing new bearings including tax, duties and conveyance of materials and labor charge etc., complete. after deducting the old materials cost..		
41	supply, delivery and fixing of Stainless steel shaft sleeves as per old sample suitable for 40 HP pump including machine, grove cutting as per shaft size including tax, duties and conveyance of materials and labor charge etc., complete. after deducting the old materials cost.		
42	Supply, delivery and fixing of 40HP pump pully rubbers including bolts and nuts, labour charges etc., complete		
43	Supply delivery and fixing of 70 watt Led Street light fitting, including GI Pipes in place of burnt out including giving necessary cable connections including cost and conveyances, labour charges etc.,complete..		
44	Supply, delivery and fixing of GI Clamps including cost 3 Nos and conveyances, labour charges etc., complete.,,		
45	Supply of PVC insulated coper wire, removing burnout wire from stator, Re-winding of 5 HP 40 stage and 5 hp 20 stage submersible motor, inter connections, testing IR values etc including cost of materials after deducting the cost of old materials. NOTE: 2 X 5HP 10HP		
46	Supply of PVC insulated copper wire rewinding of 30 HP submersible motor testing insulation valves upto 200 megha ohmes		
47	supply and fixing of new brass brush bearing for the drive and non drive ends of 30 HP motor cum pumpin place of damaged bearing		
48	supply and fixing of new rubber gasket hardware for fixing of chamber cover		
49	Supply of 1.5 HP 415 V 50Hz, open well submersible pump2" suction and delivery arrangements with the head range of 12mtrs including delivery charges		
50	supply of suitable hardware for fixing pump set like 50mm nipple, flange, clamp etc.,		
51	supply and fixing of new terminal block to 40HP motors		
52	Supply and fixing of new impeller in place of completely damaged impeller		
53	supply and fixing of new rubber gaskethardware for fixing chamber cover		
54	supply delivery and fixing of DE and NDE bearings of SKF make ball bearing in place wornout bearings		
55	supply and delivery of 4 pipe heave duty ISI make including the cost of material transportation etc.,		
56	supply and delivery of new chain 10mm from motor to top of the sludge pit including the cost of material transportation		
57	supply and delivery of 4 sqmm 10 core multi stand copper wire including the cost of material transportation etc.,		
58	supply and delivery of 3mm packing sheet including the cost of material transportation labour etc.,		
59	supply delivery fixing of DE and NDE bearings of NBC make ball bearing no. 6312, 6313		
60	suplly and delivery of moulding of new sleeves in gun metal inclding preparing of new pattern as the existing old model including the cost of material preparation of new pattern		
61	new moulding of lock nuts of pattern, moulding metal cost etc.,		
62	supply, delivery and fixing of suitable size bearing SKF make in plae of damaged cost of material transport etc.,		
63	supply and delivery of new glands tightening set		
64	Supply delivery and fixing suitable bearings as sample in place damaged for ball bearing 2Nos (drive end and non drive end) to 90Hp pumpset at mekalamandi pumphouse with necessary bearing puller labour charges etc.,		
65	Supply delivey fixing moulding of neck rings in C.I metal to 90HP pump set mekalmandi pump house as per sample cost of materials labour charges and milling charges etc.,		
66	Supply delivey fixing moulding of shaft sleeves in C.I metal to 90HP pump set mekalmandi pump house as per sample cost of materials labour charges and milling charges etc.,		
67	Supply delivey fixing moulding of check nuts in C.I metal to 90HP pump set mekalmandi pump house as per sample cost of materials labour charges and milling charges etc.,		

68	Supply and fixing of new beatings for above motor drive end bearing No.6319-C3 of SKF make including removing old damaged bearings with necessary bearing puller from above said motor 150HP rotor after deducting the cost old materials including cost of materials and labour charges		
69	supply and fixing new bearing for above motor non drive end bearing NU319ECJ/C3 SKF make including removing old damage bearings with necessary bearing puller from above said motor of 150 HP rotor after deducting the cost of old materials, including cost of materials and labour charges		
70	Supply, Transportation, Installation, Testing and Commissioning of 1000 KVA copper wound TRANSFORMER with all testreports. The Transformer shall be designed and manufactured as per IS:1180 OCTC with level-II with initial filling of oil asper IS 335-1993. The basic details of the Transformer are as under. Makes: Kirloskar / PETE/ Esennar / Voltamp /Crompton/ ABB / Schneider/EPTS. 1. Quantity 1, 2 Rated KVA 500KVA, 3. Service & Location: Continuous Outdoor Distribution Transformer, 4. Mounting Plinth.. 5. Wound Copper Double wound, 6. Type Core type oil immersed, 7. Cooling: ONAN 8. Temp Rise: 40°C in oil & 45°C by resistance, 9. Vector Group: Dyn 11., 10. Primary Connection Delta, 11. NominalVoltage / Current As applicable, 12. Highest system Voltage: 12000V, 13. Primary Frequency:50 HZ +/- 3%.. 14. Numberof Phases: 3, 15. Primary wires: 3, 16. Secondary connection Star, 17 Secondary Volts / Current: 433V / 415V.. 18.Secondary phases: 3, 19 Secondary wires: 4, 20 Taps on primary winding for primary voltage variation: +5% to 10% in steps of 2.5% of 7 position (6 Steps), 21. Terminal arrangement a HV HT terminal box as per the site condition. b. LV Cable box suitable to receive 300Sq mm XLPE cable 22 LV One separate terminal for earthing. 23 Standard Fittings &Accessories. a. Rating and terminal marking plate: One b Lifting		
71	Providing of new cork gasket as directed by the departmental office		
72	Supply delivery and fixing of impeller and thrust bereings in place of wornout and damaged including cost conveyance of material and labour charges		
73	Supply of 63A 10KA, C/D Curve ISI Mark		
74	Supply delivery and fixing of impeller and thrust bereings in place of wornout and damaged including cost conveyance of material and labour charges		
75	Supply and fixing of new ball bearings in SKF make bearing no. 6312 to the 25HP motor rotar		
76	Supply and fixing of new terminal block to the above 25HP motor rotar as directed by the departmental officials		
77	Supply, boring, key way cutting, machining and fixing of motar fan blade set to the above 25HP motor		
78	Supply and delivery of new 63A 3 pole contactor with 2 N.Os., 2 N.Cs, as per old sample for 40HP star-delta motor stater		
79	Supply and fixing of motor protection relay to star-delta starter including the cost of labour charges as directed by the departmental officials.		
80	Supply and fixing of N.O. and N.C blocks with push buttons, in starter no.3 including the cost of labour charges as directed by the departmental officials		
81	Supply and fixing of 100A MCCB in place of completely damaged MCCB in starter including the cost of labour charges as directed by the departmental officials.		
82	Supply and fixing of 35sq.mm copper cable, suitable lugs, insulation materials etc.,in place of burnt out cable in starter including the cost of labour charges as directed by the departmental officials.		
83	Supply and fixing new 1 KV 63A HRC fuse busman make in place of blown out fuse in 11KV LBS at Sainathpuram sub-Station.		
84	Supply of 180mm dia coupling pelley set as per old sample including the cost of material and transportation charges as directed by the departmental officials		
85	Supply and fixing of star-delta timer in starter including the cost of labour charges as directed by the departmental officials.		
86	Supply and fixing of 63A terminal blocks in motor starter including the cost of labour charges as directed by the departmental officials.		
87	Supply and fixing of new ball bearings as per old sample suitable to 40 HP pumps by removing the damaged old bearings and fixing new bearings including labour charge etc., complete		
88	Supply and fixing of new gasket suitable to 4HP HSC pump set.		
89	Supply and fixing of new gland rope suitable to 4HP HSC pump set		
90	Supply and delivery of new ball bearings as per old sample suitable to 40 HP squirrel cage induction motor no.1 the damaged old bearings and fixing new bearings including labour charge etc., complete.		



91	Supply and fixing of new ball & roller bearings no.6319C3 and NU319 to 180HP squirrel case induction motor including labour charges		
92	Supply of motor cable terminal blocks suitable to 180HP motor		
93	Supply and fixing of 300A power contactors with 2 nos.of N.O. and 2 nos.of N.C. blocks, 220 coil voltage L&T make		
94	Supply and fixing of 400A switch fuse unit L&T make		
95	Supply of 400A- HRC Fuse Links Makes: L&T /C&S/ Standard/ HPL/ Havells /Siemens/ Indo Asian		
96	Electronic motor protection relay with required CT coils		
97	Supply and erection of L.T. 3phase Digital multifunction for measuring all the parameters (Voltage, Current, Frequency, Power factor, KW, KVA KWH, KVA, KVAH, K\VAR and THD Events) on nexisting box panel board including connections etc., complete. MAKES: CONZERVE/ ELMEASURE/ L&T/SEIMENS		
98	Supply and fixing of heavy duty type double compression weather proof type brass cable glands duly nickel plated as per BS 6121 and IP66 complete with brass checknut, outer sheath sealing gasket suitable for 3.5C 70 Sq.mm XLPE insulated armoured cable etc complete. Makes: SM1		
99	Supply of heavy duty long barrel copper lugs confirming to I.S specifications suitable for 70sq.mm cable etc complete with nuts, bolts, and washers.		
100	Supply of -125A MCCB - Adjustable, Confirms to IS/IEC 60947-2 having Breaking Capacity - KA with thermal magnetic release Panel Mounted. Makes : L&T		
101	Supply and fixing of 63A power contactors 415V with 2 nos.of N.O. and 2 nos.of N.C blocks L&T make		
102	Supply and fixing of contactor spare kit suitable to 63A power contactor L&T make.		
103	Supply of super enameled copper wire, required insulation materials, lead, for rewinding of 100HP induction motor fixing of all accessories, testing IR enclosed Values, assembling the motor testing at workshop complete		
104	Supply and fixing of new ball bearings no.6313C3 to 50HP squirrel case induction motor including labour charges		
105	Supply of cables terminal block		
106	Supply and fixing of heavy duty long barrel copper lugs confirming to I.S specifications suitable for 16sq.mm cable etc complete with nuts, bolts and washers. Makes: DMI.		
107	Supply and fixing of hard rubber coupling tyre suitable for 40HP HSC pump coupling including hardware for fixing		
108	Supply and fixing of over load relay suitable for 30HP star-delta starter and rectification of wiring problems		
109	Supply and fixing of double compressor cable glands suitable for 3.5 core 185sq.mm armoured LT cable.		
110	Supply and fixing long barrel aluminium lugs suitable for 3.5 ore 185sq.mm armoured LT cable.		
111	Supply and fixing of ball bearings 6310 C3		
112	Bearing of approved make for electric motor single phase/ 3 phase AC 15HP of all types. ( bush bearings & truss bearings)		
113	Supply and fixing of over load relay suitable for 10HP star-delta starter and rectification of wiring problems.		
114	Supply and fixing of 40A power contactors 415V with 2 nos.of N.O. and 2 nos.of N.C blocks L&T make.		
115	Bearing of approved make for electric motor single phase /3 phase AC 7.55 HP of all types. ( bush bearings)		
116	Supply and delivery of 1 " x 12" dia SS Nipple including heat jointing of SS nipple with HDPE pipe cost and conveyance of all materials, labour charges, curing etc. complete as directed by HMWS&SB Engineers		
117	Supply, delivery and fixing of 40 mm dia Heavy Duty clamps including cost and conveyance of all materials, labour charges. Curing, etc., complete as directed by the HMWS&SB Engineers		
118	Supply, delivery of 5 HP/40 stage V4 submersible pump set, motor for 6 1/2 power bore well ISI all other make Falcon/Lubi and incidental and operationalcharges as directed by the HMWS&SB Engineers		
119	Supply and delivery of new mnx 140A 3 pole contactor with 2 N.Os, 2 N.Cs., as per old sample for 100HP star-delta motor stater no.2 including the cost of labour, as directed by the departmental officials		

120	Supply and delivery of new mnx 110A 3pole contactor with 2 N.Os., 2 N.Cs., as per old sample for 100HP star-delta motor stater no.2 including the cost of labour, as directed by the departmental officials		
121	Supply, delivery and fixing of 15 HP 3 phase 415 Volts inline booster pump set with a Head of 25-35 Mts. to discharge 33LPS of Lubi/texmo including cost and conveyance of all materials and labor charges etc complete as directed by the HMWS&SB Engineers		
122	Supply, delivery and fabrication of suitable MS special Type Chamber with 8mm thickness MS Plate provision for 15HP openwell submersible pump set for boosting with necessary assembling suitable dia MS specials and MS flanges inside chamber with rubber packing bolts and nut cooling system and angle, channel supporting in the bottom. The top cover is removable type with necessary holes gasket bolts& nuts for easy maintenance provision for drawing electrical sensor wiring for preventer and necessary 1" dia NRV, Heavy duty and end ball cock including cost and conveyance of all materials, transporting loading unloading with necessary hired crane and lorry man and material charges including labor charges for junction work etc., complete as directed by the HMWS&SB Engineers		
123	Supply, delivery and laying of 4 core, 4 sq mm, Copper armored underground cable finotex make from outdoor panel to pump set near MS shell including necessary connection with cost and conveyance of taxes duties with all other incidental and operational charges etc. complete as directed by the HMWS&SB Engineers.		
124	Supply fabrication of suitable outdoor panel with enamel coated in 16 SWG iron sheet comprising of below items internal wiring with necessary locking arrangements as mentioned below for 1 No. 15 HP open well submersible pump set of L&T/BCH of its equivalent make a) 25 Amps contactors 3 No. b) Suitable relay 1 No.c) Suitable Timer 1 No d) 100 amps MVVB of 35 KVA 1 No e)32 amps MCB for capacitor 1 No f) 0-500 Volts voltmeter Digital 1 No. g) 0-60 amps Ammeter Digital 1 No h) Capacitor 10 KV. AR 1 No. i) RYB indication lamps 1 set etc., complete as directed by the HMWS&SB Engineers.		
125	Supply and delivery of 2 Nos 0 to 4" dia pressure gauge for suction and delivery with necessary stop cock 3/8" MS pipes for reading suction and delivery pressure plumbing work cost and conveyance of materials and labor charges etc., complete as directed by the HMWS&SB Engineers.		
126	Supply and fixing of single phase preventer with water level guard including giving connections a with 2.5 Sqmm copper wires to avoid burnout of motor in single phase and running without including cost and conveyance of all materials and labor charges etc. complete as directed by the HMWS&SB Engineers.		
127	Supply, delivery and fixing of 15 HP 3 phase 415 Volts STANDBY, Lubi make inline booster pump set with a Head of 35 to 40Mts. to discharge 40 LPS of Lubi/texmo including cost and conveyance of all materials and labor charges etc complete as directed by the HMWS&SB Engineers		
128	Supply and fixing of 3 Nos 100 amps fuse cut outs in new MS enclosure meter box internal wiring and provided for AP Trnasco meter locking arrangements duly painted with enamel paint, including cost and conveyance of all materials and labor charges etc complete as directed by the HMWS&SB Engineers.		
129	Manufacture, supply, delivery of 150mm dia MS barrel of 8mm thickness including cost of MS and its fabrication color with epoxy on both sides cost conveyance etc complete as directed by the HMWS&SB Engineers.		
130	Supply and delivery and filling the new transformer, Ol of power oil make having dielectric strength of above 40 KV/Min as per IS-335 1972 and oil filtration etc complete including cost and conveyance etc complete as directed by the dept officers.		
131	Wiring with run of 2 of 22/0.3mm (1.6 Sq mm) FRLS/HFFR PVC insulated flexible ISI marked copper cable make in existing concealed pipe including supply and fixing of 3 Plates Jumbo ceiling and marked Modular type sWitch including cost and conveyancs of all material and all labour charges etc, complets for hght and hall sinte mR.E		
132	Supply and fixing of 6A/10A 1SI Mark /2 pin Modular sorket 16A/10A 1Way Modular switch, 3Module box with cover trama on a Common switch board including cOst and conveyance of all materials and all labour charges etc. complete		
133	Supply and fixing of ISI marked 16A 3pin / 6A 3 Pin 1 way Modular combi socket, 16 Amps Modular switch on a Modular bos with suitatble cover frame with connections including cost and conveyance of all material and all labour charges etc, complete		
134	Supply and Run of 1 of 26/0.3mm (15 Sqmm) FRLS/FR PVC insulated flexible 1SI marked copper cable in ezisting pipe tor run of mains including connections and all labour charges etr,, onplete		

135	Supply and Run of 3 of 36/0.3mm (2 5 Sqmm) FRLS/ FR PVC insulated flexible ISI marked copper cable in existing pipe for run of mains including connections and all labour charges etc complete		
136	Supply and Run of 3 of 56/0 3mm (4 00 Sq mm) FRLS/ FR PVC insulated flexible ISI marked copper cable in existing pipe for run of mains including connections and all labour charges etc, complete		
137	Supply and fixing of Modular type Stepped electronic regulator with connections in a suitable module box with a coverframe and Labour charges etc complete		
138	Supply and fixing of new DE & NDE ball bearings SKF makes as per old sample suitable for 100 HP Motor removing the damaged old ball bearing with bearing puller and fixing new after deducting the cost of old material etc labour charges as directed by the departmental officers		
139	Supply and fixing of new DE & NDE ball bearings SKF makes as per old sample suitable for 25 HP Motor removing the damaged old ball bearing with bearing puller and fixing new after deducting the cost of old material etc labour charges as directed by the departmental officers.		
140	Supply delivery new copper winding wire and removing the bearing side cover of the 100 HP squirrel cage induction motor dismantling the rotor from stator removing the burnout enamel copper wire from stator, prepare the winding coils with new copper wire of suitable gauge, cleaning the stator slots, painting with doctor beck moisture varnish and insulate the slots with F class insulation paper rewinding with repaired coils, providing sleeves to each coil seraping the leads giving connection to each coil tapping the coils with cotton tape tightly, closing the slots with wooden pieces, heating the winding, baking and varnishing with Dr. Beck Varnish for further resistance keeping it in oven and cooling down to the room temperature closing the bearing cover fixing the fan and end covers taking out leads including giving terminal block connections and tested to insulation valves upto 200 Megomhs including material and labour charges etc., trail and load run etc., complete after deducting cost of old materials, as directed by the HMWS&SB Engineers.		
141	Manufacturing, Supply delivery and fixing of 75HP Pump No. -1 sleeves, moulding, machining threading, drilling and milling including cost and conveyance of material all incidental and operational and labour charges as directed by the departmental officers		
142	Manf. supply & fixing of 75HP pump No-I neck rings in brass metal moulding and machining, for original shape, suitable guide pins and grinding finishing cost and conveyance of material all incidental and operational and labour charges as directed by the departmental officers.		
143	Supply and delivery 75HP pump No-I of suitable double ball bearings SKF make including cost and conveyance incidental and operational and labour charges as directed by all the departmental officers		
144	Supply, delivery and fixing of 20 HP open well submersible pump set with a total Head of 22 Mtrs to discharge 45 LPS as per the existing model LHS 36 of LUBI Make, construction of C.I. impeller and CI body as per 1S specifications removing the existing booster pump and fixing new pump with new nuts, bolts and rubber packing including cost and conveyance of all materials, labour charges etc., complete as directed by the departmental officers		
145	Supply and delivery of 5 HP/35 Stage /V4 Submersible pump motor (Lubi Make) copper rotor including the cost of Motor, transport etc. complete as directed by the Departmental Engineer		
146	Supply, delivery and fixing of 2" x 1 1/2" Reducer for fixing of Motor including cost of material transport etc. complete.		
147	Supply, delivery and fixing of Borewell cover including the cost of material, transportation etc.		
148	Supply, delivery and fixing of new M.S. Panel Box Outdoor type, wall mounted with Lock and Key arrangement. It is consisting as below items. a. Dol Sater with 9 to 14 amps relay (L&T make) b. 32 Amps MCCB (L&T) - 1 No. c. Single phase preventor minilack make - 1 No. d. 0-30 Amps Ammeter - 1 No. e. 0-500V-Volts Meter- 1 No. f. RYB indicating lampset - 1 No.		
149	Supply delivery and fixing of New Clamp Set heavy duty including nuts and bolts including cost of material, transport complete etc		
150	Supply, delivery and fixing of Bore Lever including cost of Material, Transport etc.		
151	Supply, delivery and fixing of 1 1/2 steel nipple including the cost of material, transport etc.		
152	Supply, delivery and fixing of 1 1/2" Union with place of damages		

153	Supply, delivery and fixing of 2" x 1.1/2 reducer heavy duty including the cost of material transport complete		
154	Supply, delivery and fixing of 2" x 1.1/2 union for connecting to pump to delivery pipe etc. including cost material transport complete		
155	Supply and delivery of Two Core Service Wirefor connecting to supply line including the cost of Material, Transport etc. complete		
156	Supply and delivery of 400 Amps SFU Main Switch, Havels make ISI Mark, 415 Volts including the cost of material, transport etc. complete as directed by the Departmental Engineer.		
157	Supply and delivery of 150 sq.mm copper lugs heavy duty including the cost of material, transport etc. complete as directed by the Departmental Engineer		
158	Supply, delivery and replacement of 2" dia GI pipe and GI accessoris line nipples, GI 1 5 clamps and nuts, bolts etc., Including cost of material and transit risk etc complete		
159	Supply and fixing of 2" dia G.I Heavy duty Couplings in place of damaged couplings including cost of materials and labour charges etc. complete		
160	Manufacture, Supply, delivery of 100mm MS barrel with a length of 1 Mtr. Fabricated barrel of 8mm thickness MS plate including cost of MS plate including cost of MS and its fabrication, coloring with epoxy on both sides cost and conveyance etc complete as directed by the departmental officers.		
161	Manufacturing, supply, delivery of 100mm MS flange of 18mm thickness with making holes to flanges including cost of MS and its fabrication, coloring with epoxy on both sides cost and conveyance etc complete as directed by the departmental officers.		
162	Providing Coushed Rubble Stone Masonary 2nd sort in CM (1:6) prop: using hard granite stone including cost and conveyance of all materials to site labour charges curing all leads and lifts and all other incidental and operational charges as directed by the departmental officers. (4.200m x 1.65m x1no)+(2.100mx1.650m 0.45mx2nos=6.24 cum)		
163	providing internal plastering of booster chamber with 20mm thicck in CM 1:3 prop including cost of all materials as directed by the HMWS&SB Engineers.		
164	providing plain cement concrete (1:2:4) mix with 6mm to 20mm guage hard granite machine crushed metal includingcost and conveyance of all material to site machine mixing of concrete, lifts, leads form work laying in position, vibrating, compacting, curing all labour charges tools and plants and all other incidental and operational charges etc. as directed by the departmental officers.		
165	Manufacturing supply delivery and fixing of 3.75 KWI 5HP submersible sludge pump make Aqua, Jasco or equalant with a discharge capacity of 700 LPM with a head of 13 Mtrs, 960 RPM having fluid sludge specific gravity of 1.05 kg/ ltr casing with CI pump in piller with CEF 8 M pump mechanical seal Sic Vs sic motor mechanical seal (C Vs Sic) soft and fasterners with stainless steel motor housing made of caste iron stator and rotar made of copper and brass etc., complete including all leads and lifts, all other incidental and operational charges et., complete. as directed by the H.M.W.S.&S Board Engineers.( 1No working and 1 no stand by)		
166	Manufacturing supply delivery and fixing of CI duck foot bend and DI single auto rail coupling etc., compelte including all leads and lifts, all other incidental and operational charges etc., complete. as directed by the H.M.W.S.& S. Board Engineers		
167	Manufacturing supply delivery and fixing of standard control panel incomer with volt meter Amps meter,Indication lamps submersible pump controller, etc., compelte including all leads and lifts, all other incidental and operational charges etc., complete. as directed by the H.M.W.S.& S. Board Engineers		
168	Manufacturing supply delivery, laying and jointing of cable size of 2 x (3 5x6)+ (4x1.5) copper conductor PVC Armoured power cabel having water proof insulation to a length of 3 mtrs etc., compelte including all leads and lifts, all other incidental and operational charges etc complete. as directed by the H.M.W.S.& S. Board Engineers.		
169	Supply and delivery and fixing of out door Meter box with 100 Amps 4 pole MCB for incoming power supply 3 phace incation lamps and etc., compelte including all leads and lifts, all other incidental and operational charges etc., complete. as directed by the H.M.W.S.& S Board Engineers.		

170	Providing independent earthing for Important equipment with 100mm dia Heavy gauge C.I( Cast iron ) pipe with Flange 2.5m long enclosed in C.C/ brick massonry chamber of 450m x 450m x 400mm with R.C.C. Slab cover duly providing staggered holes filling with salt and charcoal from the bottom of the pipe giving earth connection from electrode through G.I strip of 40 x 6mm x 200mm length with all accessories and labour charges complete, as per IS specifications 732/1982 (Part I)		
171	Supply and Run of No.8 SWG G.I wire including cost of all accesories and labour charges etc., complete. (0.104Kgs/1 Mtr)		
172	Supply and delivery of 7/16 2 core Alumunium PVC Cable etc. compelte including all leads and lifts, all other incidental and operational charges etc., complete. as directed by the H.M.W.S.& S Board Engineers.		
173	Manufacture, supply and delivery of 100 mm dia MS flanges of 16 mm thickness with making holes to flanges including cost of MS and its fabrication, colouring with epoxy on both sides cost and conveyance for suction and delivery and labour charges etc., complete as directed by the departmental officers.		
174	Manufacture, supply, & delivery of (DWC )120 OD/100 ID structured wall polyethylene/ polypropylene piping system class SN-8 with non smooth external annular corrugated and smooth internal surface (Double Wall) for non pressure sewage & Drainage application pipes of standard length 6 m, grade conforming to IS 16098 (part-I: 2013 including rubber gasket transportation to anywhere in Telangana loading, unloading charges but excluding all taxes etc complete		
175	MS galvanized chain 10mm thick with D shakle (for lifting arrangement) to suit 2 MT capacity existing chain pulley block etc complete		
176	Plain Cement Concrete (1:2:4) mix with 6mm to 20 mm guage hard granite machine crushed metal including cost and conveyance of all material to site machine mixing of concrete, lifts, leadds, form Work laying in position, vibrating, compacting, curing, all labour charge tools and plants and all other incidental and operational charges etc. complete as directed by the departmental officers.size 40x0.3x 0.3= 3.60 cum		
177	Poviding (2) NOs Operator pump for (12) months with minimum two years experience and must having a wiremen permit issued by the TS as per IER3, ID Act 1950 an an operator one each shift for operation and maintanoe of pump set, transformer and llghting etc and all other incidental and operational oharges etc., complete, as directed by the H. M W.8& S, Board Engineers,		
178	Manufacturing,Supply.and delivery of M.S 138399 78 pipes made with 8mm thick M.S. Plate including cost and conveyance of MS.Plate, fabrication charges and applying Anticorrossive Apoxy black paint including cost and conveyance, taxes duties,transportation, loading unloading charges etc.complete. as directed by the HMWSSB Engineers 150mm dia MS Pipe		
179	Manufacturing,Supply.and delivery of M.S Flanges made with 15mm thick M.S. Plate including cost and conveyance of M.S.Plate, fabrication and drilling charges and applying Anticorrossive Apoxy black paint including cost and conveyance taxes, duties, transportation unloading charges etc. complete directed by the HMVWSSB Engineers		
180	Manufacturing, Supply and Delivery of pump SS metal sleeves of making pattern as per old sample machining turning polishing etc. including cost of new material labour charges complete as directed by  the departmental officers.		
181	Manufacturing, Supply and Delivery of bearig housing sleeves DE side of making pattern as per old sample machining turning polishing etc.including cost of new material labour charges complete as directed bythe departmental officers		
182	Supply and fixing of neck rings duly molding in gunmetal making pattern as per old sample machining turning polishing etc. including cost of old and new material labour charges complete as directed by the departmental officers.		
183	Supply and fixing of new ball bearings as per old sample suitable for 150 HP pumpset removing the damaged old ball bearing with bearing puller and fixing new etc labour charges as directed by the departmental officers.		
184	Supply and delivery of 440 Volt 3 Phase 50 Hz 5 HP/ 3.75 KW 35 to 40 stages submersible pump set with copper winding and copper rotor of LUBI/KSB/Texmo/ CRI/ make, including loading and unloading labor charges, transpotation, and transist risk upto destination etc complete as directed by the departmental officers.		

185	Manufacturing, supply delivery and fixing of M.S. Chamber Cover of size 1.20m x 1.20m made with 15075 ISMC for crossings and 50x50x6mm MS Angles for long with 6mm thick M. S Chequered Plate including cost and conveyance of all materials, cutting, fabrication, welding duly providing the MS Man hole with locking arrangements and with necessary fittings including Painting with Enamel paint both sides   transportation loading unloading, labour charges for fixing the M S Chamber cover over the .Chamber etc including all incidental and operational charges ect complet as directed by the H M W.S.S. BEngineers.		
186	Supply ,Delivery and Fixing of New 32mm non return wall Couplings and etc in place of old damaged including rarsort and et as directed by the depti. Officers		
187	Supply ,delivery & fixing of 1 " pipe nipples with hit the pipe and pressing into the nipples including cost & conveyance of all materials labour charges etc., complete		
188	Supply ,delivery & fixing of 1 " pipe nipples with hit the pipe and pressing into the nipples including cost & conveyance of all materials labour charges etc., complete		
189	supply of CROMPTON make, 0-500V Volt meter and 0-30A Ammeter, Indication lamps, selector switches, CTS, 32A TP MCB, Single phase preventor, suitable contactor to with stand low voltage pick up and high voltage resistant, with ISI marked capacitors assembled with ISI mark   Contactors and fitted with Legrand make ISI mark MCB etc. complete.		
190	Supply & Fixing of D.O.L Starter 250V, Single phase, 50Hz. VWith SS encloser comprising of contactor with bi-metalic relay with necessary push buttons, etc., complete suitable for 5HP/7.5HP Makes: Siemens / Crompton / L&T/ BCH		
191	Supply, delivery and fixing of open well 15 HP submersible pump set with Texmo make a Head of 18 to 36 Mts. of Lubi/texmo legawalent make including cost and conveyance of all materials and labour charges etc Complete as directed by the departmental officers		
192	Supply, delivery and fixing of open well 7.5 HP submersible pump set th Texmo make a Head of 12 to 32 Mts. of Lubi/texmo l eqawalent make including cost and conveyance of all materials and labour charges etc Complete as directed by the departmental officers		
193	Supply and Fixing of new ball bearing for above motor DE ( Driven End) side Bearing No.63 19-C3 SKF make inplace of old damaged bearing sample sizel including cost of material etc., complete as directed by the HMWS&SB Engineers.		
194	Supply and Fixing of new ball bearing for above motor NDE (Non Driven End) side Bearing No.63 16-C3 SKF make inplace of old damaged bearing sample size including cost of material etc., complete as directed by the HMWS&SB		
195	Supply and fixing of new 150 HP motor terminal plate in place of damaged for giving winding connections cost and conveyance of all material and labour charges etc. complete		
196	Supply, delivery, fixing, testing and trail run of 55KW/75 HP 1480RPM quirrest cage TEFC totally enclosed air cooled induction motor in frame of IE-2 efficiency of rating 415 volts 50Hz, 3 phase AC supply Kirlosker/Crompton Greaves or its equalent make includ1ng cost and conveyance of all materials and labour charges etc Complete as directed by the departmental officers		
197	Supply, delivery, erection, and commissioning of UP 150/38B. 200mm suction and 150mm delivery horizontal split case single stage centrifugal pump fitted with bronze impeller with bare shaft Kirlosker/ M+platt its eualent make of 80LPS discharge at 47 Mtrs head including transporation labour charges complete as directed by the departmental officers.		
198	Supply and delivery of 4" dia pressure guages of 4kg/C2 for delivery side with necessary stop cock 3/8" MS pipes work cost and conveyance of materials and labaoour charges etc., Complete		
199	Supply, delivery, testing and trial run of new horizontal split case single stage centrifugal pump in standard CI construction to ischarge 50 LPS at a head of 40 Mtrs of  Kirlosker/M+P or its quivalent make including cost and conveyance of all materials and incidental operation charges and transits risk upto estination etc., complete as directed by the departmental officers		
200	Supply, delivery, testing and trial run of new 37.50KW/50 HP, 1450 RPM squirrel cage TEFC induction motor of rating 415 volts, 50Hz, 3 phase Kirlosker/Crompton Greaves or its equivalent make including cost and conveyance of all materials and incidental operation charges and transits risk up to destination etc.. complete as directed by the departmental officers		
201	Manufacture supply delivery of MS base frame with required dimensions MS channels, to suit the pump and motor including welding charges cost and conveyance charges transpotation of the material charges etc complete		

202	Supply, delivery. testing and trial run for operating up to 50 HP /37.5 KW central control panel to accommodate 200A, 1250Amps SFU's, 100A TPN, 63A, 32A TPN SFUs and 50 HP star-delta starter busbars and metering etc., for operating 2 Nos, at Pocharam pump house the panel shall be cubical in size 2000 x 1800 x 400 made from 16 G CRC Sheet flush mounted with individual compartment and efficient earthed neutral, all accessories conforming to IS specifications and IE rules. panel painted with seven tank process powder coated paint. The panel shall have aluminum Bus bar with PVC heat shrink sleeve, internal wiring with copper control cables including cost of fabrication, assembling, loading, unloading cable glands of various sizes. pedestal type suitable MS Angular stand with CC beds consisting of four legs for mounting above panel board & 95 sqmm, 70 sqmm, 16 sqmm cable glands with drilling holes transit risk up to destination with all incidental and operational charges etc., complete, the panel comprises the following materials. a. 200 A TPN SFU L&T 1 No b. 125 A TPN SFU L&T 2 Nos. c. 100A TPN SFU L&T ? 1 No. d. 63A TPN SFU L&T 1 No e. 32 A circuit breakers Nos. f. 100 A AL. busbar PVC sleeve insulated 4 Nos g. 3 pole power contactor type 70 Amps 415V 50 Hz L&T make - 6 Nos h) Bi-metallic overload relay type of range 30 50 amps MN 5 with SPP in L&T make - 2 Nos i. 0-60 Secs. Timer L&T make -2 Nos Push button R&G L&T make - 4 Nos k. LED indication lamp L&T make -2 Nos 0-500 V Voltmeter L&T make 1 No m. 0-200 A Ammeter L&T make - 1 No n 0-100 A Ammeter L&T make - 2 Nos o 200/5 Amps Current Transformer Altern Make L&T -3Nos. p. LED phase indication lamps L&T make - 3 Nos q Volts & Amp Selector switch salzar make ? 2 Nos r 20 KVAR Capacitor banks of L&T ? 2 Nos s 20 A Bakelite fuse carrier -5 Nos. t. 4A HRC Fuses -5 Nos. u Aluminum Earth bus - 1 No v Minilec single phase preventor with 1.5 sqmm copper cable 2 Nos 2 Nos		
203	Supply, delivery and laying of electrical shock proof rubber matting in size 6' x 3' x 12mm thick, including cost and conveyance of materials, labour charges etc complete as directed by the departmental officers		
204	Supply. Transportation, laying, testing & commissioning of 'B' class heavy duty MS pipe conforming to IS 3589/1S 1239 including Welding, fittings like elbows, tees, flanges, tapers, nuts bolts, gaskets etc. and fixing the pipe on the wall/ceiling with suitable clamp/support frame and painting with two or more coats of synthetic enamel paint of required shade complete as required Makes: Jindal Hissar / Tata pipes 250mm B class pipe		
205	Supply delivery and fixing of pressure monitoring gauges of standard make including required nipples, couplings stop cock etc complete including cost and conveyance of all the materials transportation charges and labour charges etc complete		
206	Supply delivery of pump shaft (3810mm) part-16, model VT-26-46/3 stage, WPIL make material of construction : SS 431 including cost of material and labour charges for loading and unloading transportation to work site at Murmur pumping station		
207	Supply delivery of line shaft (2046mm long) part-22A, model VT-26-46/3 stage, WPIL make material of construction : SS 431 including cost of material and labour charges for loading and unloading transportation to work site at Murmur pumping station.		
208	Supply deliver and transportation of driving end bearing No.6248MC3 and Model no. 41455P423-11-01RQ7804-Bfor 6.6KV, 3000KW BHEL make motor with all accessories including cost and conveyance of all materials etc, at Murmur pumping station.		
209	Supply, and delivery of (3.81/3.98KV) 300KVAR capacitors unit 1 phase, 2 pole rating 50Hz power factor improving capacitor units for individual motors to suit the existing system at Bommakal 6.6/6.9 pumping station conforming to IS13925 including the cost of material and transportation as per the old sample as directed by the departmental officials.		
210	Supply, and delivery of (3.81/3.98KV) 333.33KVAR capacitors unit phase, 2 pole rating of 50HZ power factor improving capacitor units for Bus capacitors to suit the existing system at Bommakal 6.6/6.9 pumping station conforming to IS 13925 including the cost of material and transportation as per the old sample as directed by the departmental officials.		
211	Supply, delivery and fixing of 6.9 KV, 50HZ, RVT ratio of KV/110 -190V residual voltage transformer, oil cool type, class of insulation B, to withstand the ambient Temperature of 50°C for and to suit the existing system of 3MVAR Yard Capacitor banks to suit the existing system at Mallaram including the cost of material and transportation etc., complete as directed by the departmental officers.		

212	Supply and delivery of PUMP Impeller, Part-159001, MOC code: 232.UModel HSC- UPH550/110, KBL make, material of construction: CF8M/WCB/SS410, and to suit the existing system including cost of material, labour charges for loading and unloading, transportation to work site at Kondapaka pumping station and as directed by the departmental officers.		
213	Supply, delivery and Transportation of Non-Driving End Bearing No.XLIFE-22338-E1-K-C3 and model no. J344-170229 0200 and make is FAG GERMANY for 6.6KV, 3000KW, WPIL make, Horizontal centrifugal pumpset with all accessories including cost and conveyance of all materials etc., complete at Mallaram Pumping station as directed by the departmental officials.		
214	Supply, delivery and transportation of Non-Driving End & Driving End Bearing No.NU1048MC3, and make is SKF/FAG for 6.6KV, 3000KW, BHEL make Motor with all accessories including cost and conveyance of all materials etc., complete at Mallaram Pumping station as directed by the departmental officials.		
215	Supply, delivery, transportation and erection of Driving End Bearing No.6048MC3 and make is SKF/FAG for 6.6KV, 3000KW, BHEL make  Motor with all accessories including cost and conveyance of all materials etc., complete at Mallaram Pumping station as directed by the departmental officials		
216	Plain Cement Concrete (12:4) mix with 6mm to 20 mm guage hard granite machine crushed metal including Cost and conveyance of all materal to site, machine mixing of concrete, lifts, leads, form work laying in position, vibrating, compacting. curing. all labour charges, tools and plants and all other incidental and operational charges etc. complete as directed by the deparmental officers.		
217	Supply and delivery of 15 HP 3 phase 415 Volts open well submersible monoblock pump set for inline booster pump set with 20 to 28 mtrs head and 1100 to 1420 LPM discharge 100x100mm suction and delivery of Lubi/texmo or equallent make including cost and conveyance.		
218	Supply. delivery and fabrication of suitable MS special Type Chamber provision for 10HP openwel subemersible pump set for boosting with necessary assembling suitable dia MS specials and MS flanges inside chamber with rubber packing bolts and nut cooling system and angle, channel supporting in the bottom. The top cover is removable type with necessary holes gasket bolts & nutS for easy maintenance provision for drawing electrical sensor wiring for preventer and necessary 1" dia NRV,Heavy duty and end ball cock including cost and conveyance of all materials, transporting loading unloading with necessary hired crane and lorry man and material charges including labour charges for junction work letc.,Complete as directed by the departmental officers		
219	Supply fabrication of suitable out door panel with powder coated double door type in 14 SWG MS sheet. MS stand for floor mounting, comprising of below items internal wiring with necessary locking arrangements as mentioned below: a) 40 Amps ML series contactors 3Nos. b) Suitable relay 1 No.c) Suitable Timer 1 No d) 32 amps MCB for capacitor 1 No f) 0-500 Volts voltmeter Digital 1 No g) 0-60 amps Ammeter Dig1tal 1 No h) Capacitor 4 KVAR 1 No i) RYB ind1cat1on lamps 1 setet.,Complete as directed by the departmental Officers		
220	Supply fabrication of suitable out door panel withenamel coated in 16 SWG iron sheet comprising of below tems internal wiring with necessary locking arrangements consisting of 3nos. Of 100A Kit-Kat fuse sets, internal wiring for fixing of energy meter Complete as directed by thedepartmental Officers		
221	Providing independent earth station with 40mm GI pipe 6, length, including excavation, fixing of earth electrode, filling with bentonite chemical powder, sand  and soil as directed by departmental officers		
222	Supply, fabrication and fixing of 25x6mm GI earthing strip for panel boards and booster chamber earthing as directed by departmental officers		
223	Supply and fixing of single phase preventer with water level guard including giving connections a with 2.5 Sqmm copper wires to avoid burnout of motor in single phase and running without including cost and conveyance of all materials and labour charges etc. Complete as directed by the departmental officers.		
224	Supply and delivery of 2 Nos 0 to 4" dia pressure lguages for suction and delivery with necessary stop Cock 3/8" MS pipes for reading suction and delivery pressure plumbing work cost and conveyance of materials and labaoour charges etc. complete as directed by the departmental officers.		
225	Supply, delivery and laying of 25sq.mm 3+1 core air bunch cable of ISI make for incoming supply of TS Transco includng cost of the materials transportation charges etc., complete directed by the departmental officers.		



226	Manufacture, Supply, delivery of 150mm MS barrel with a length of 1 Mtr. Fabricated barrel of 8mm thickness MS plate including cost of MS plate including cost of MS and its fabrication, coloring with epOxy on both sides cost and Conveyance etc complete as directed by the departmental officers.		
227	Supply and placing of the VRCC M30 grade design mix corresponding to 456 USing weight batchers/concreate mixer (cement fine agrigate coarse agregate) corresponding table 9 of IS 456 using 20mm Slze graded machine crushed hard granite metal (coarse agregate) from aprooved quarry including cost and conveyance of the materials like cement fine agregate (sand) coarse agregate water etc.. to site and including all operational incedental and labour charges Such as weight batching mach1ne mix1ng laying concreate curing etc complete includ1ng providing man holes shuttering laying concreate vibrat1ng curing etc		
228	Supply and Delivery of 5 HP 35-40 stages 3 phase 50 HZ V4 type submersible pump set of Lubi / unnathi/Motex/equivalent make submersible pump set at power bore well. including cost of pump set, transportation charges labour charges including transit risk upto destination etc., complete as directed by departmental engineers		
229	Supply delivery & Laying of 1 "HDPE pipe(40mm)6kg/8kg including cost of pump set, anspotation charges labour charges including tsarist risk upto destination etc., complete as directed by departmental engineers		
230	Supply ,delivery & fixing of 1 " pipe nipples with hit the pipe and 4 pressing into the nipples including cost & conveyance of all materials labour charges etc., complete		
231	Supply and Transportation of star rated 5 HP V-4 35 40 StageThree phase ISI submers1ible motor pumpset suitable for 6" Bore well Makes Texmo / CRI/ KSB /Aryan Varsha / Lubi / Falcon		
232	Supply ,delivery & fixing of 1 " pipe nipples with hit the pipe and pressing into the nipples including cost & conveyance of all materials labour charges etc., complete		
233	Supply and placing of the VRCC design mix corresponding lo IS 56 using eight batchers conereale miver (cement line agrigate coarse agregate) corresponding table 9 of IS 456 using 20mmm size graded machine crushed hard granite metal (coarse agregate)  from aprooved quarry including cost and conva ance of the materials like cement fine agregale (sand) coarse agregate water cle.. lo site and including all operational incedental and labour charges such as weight batching machine miving ay ing conereate curing ele.. complete including providing man holes. shuttering. lor plinth beam for slab M30 grade  lay ing conereate \ibrating curing etc.. complete. (for plinth beam, slab)		
234	Fabrication .Supply and installation of the 16 SWG CRCA sheet enclosure for power control cubical panel out door type etc including cutting. bending. dnlling welding and riveting complete with cleaning with 7-tank process and painting with powder coating including cost & conveyance of all materials and labour charges etc.. complete with Supply and Fixing of the following switch gear in the existing power control panel including cost of all materials and labour charges Description of Work 1 No - 400 A4 pole MCCB L&T standard/sputnik/C&S/ Legrand. make as a in comer,2)3 Nos Phase indicator lamps .7)1 No -0-500V Voltmeter, 8)1 No -0-100A Ammeter and bus bar arrangements and selactor swtiches including internal connections and labour charges for Flush mounting etc. CC job work etc complete		
235	Fabrication Supply and installation of the 16 SWG CRCA sheet enclosure for power control cubical panel out door type etc including cutting. bending diling welding and riveting complete with cleaning with  7-tank process and painting with powder coating including cost & conveyance of all materials and labour charges etc.. complete with Supply and Fixing of the following switch gear in the existing power control panel including cost of all materials and labour charges complete Description of Work  1 No - 400 A4 pole MCCB L&T standard/ sputnik/C&S/ Legrand make as a in comer,2)3 Nos - Phase indicator lamps .7)1 No -0-500V Voltmeter, 8)1 No --100A Ammeter and bus bar arrangements and selactor Swtiches including internal connections and labour charges for Flush mounting etc. CC job work etc complete		
236	Supply & laying of qurry dust in sub-station including cost and conveyance of all material and labour charge etc., complete as directed  by the departmental officers (12M x12M x0.1M= 14.4cum)		
237	Hot dipped galvanised iron chain link mesh- (4.0mm) as per IS 2721-1979 2"x2" (50MM x 50MM) - 8 guage overhead and capacitor profit etc. complete for finished item of work, L 48Mt x H 1.6Mt= 76.8 Sqmm		
238	Supply, fabrication and traspotation of 12 no.s MS channel iron angle/ iron flat including two coats of aluminium paint nad one coat of red oxide paint including all labour charges etc. complete		

239	Supply and fixing of gate fixing frame with size 2.1 M X 1.25M width fabricated with MS angle 40X40x6mm fencing frame and the gate of size 1.8M X 1.25 M with angle 35X35X 5mm four sides and 40X40x6mm T angle in middle & MS weld mesh 2"x2' including painting (Safety equipments)		
240	Supply and fixing printed shock instruction chart in English / Hindi / Telugu duly framed with front glass for treatment of person suffering from electric shock		
241	Supply and Delivery of 11 KV/22 KV Hand gloves		
242	Supply and Delivery of First Aid box 18" x 12"x 8"		
243	Manufacturing, Supply and delivery of 300 mm dia MS pipes made with 8mm thick MS Plate including cost and conveyance of MS plate, fabrication charges and applying anticorrosive epoxy black paint including cost and conveyance transportation, loading, unloading charges etc , complete as directed by the HMWSSB Engineers		
244	Supply delivery and fixing of nuts and boltes 2nos Washers etc complete as directed by the HMWSSB Engineers.		
245	Supply and delivery of new 200A Switch fuse unit (SFU) L&T make as per old sample in place of damaged SFU in 100HP star-delta motor starter no.1		
246	Supply and delivery of new 200A HRC fuses suitable for the above SFU as per old		
247	Supply and delivery of new digital ammeters 200/5A and 400/5A sizing 98X98mm		
248	Supply and delivery of new digital volt meter 0 to 500 V sizing 98X98mm		
249	Supply and delivery of new CT coils 200/5A and 400/5A suitable for the above ammeters		
250	Supply and delivery of new LED indication lamps		
251	Supply and delivery of pressure gauges , 4" dia , glyserine gilled 10KG/cm <sup>2</sup> along with all necessary accessories like suitable nipple, blends, Valves etc.		
252	Supply and delivery of 1" SS made ball valve for vacuum pipe line		
253	Supply and delivery of 1" GI made union joint for vacuum pipe line		
254	Supply and delivery of 48" 5 star rated ceiling fans to reduce the temperature of 100HP motors		
255	Supply, Transportation and fixing of 50mm dia 90 degree bend with length of 20cm (Center to face) galvanised GI bends heavy duty with threaded at both ends for installing the pump set including cost and conveyance of all materials, taxes etc., complete.		
256	Supply. Transportation and fixing of 32mm dia, 450mm length, 12mm thickness and 75mm wide MS Clamp set with required nuts and bolts.		
257	Manufacturing, supply, delivery of 200mm MS flange of 18mm thickness with making holes to flanges including cost of MS and its fabrication, coloring with epoxy on both sides cost and conveyance etc complete as directed by the departmental officers.		
258	Supply of materials for internal plastering of booster chamber with 20mm thick in CM 1:3 prop including cost of all materials as directed by HMWSSB Engineers (300mm x1650mm X 2 No.s = 9.900 Sqm )+ (2000mm X1650mmX2no.s)= 6.600 Sqm )=16.500 Sqmtrs		
259	Supply and laying of plain cement Concrete(1:2:4) mix with 6mm to 20mm gauge hard granite machine crushed metal including cost, conveyance of all material to site , machine mixing of concrete , lifts , leads, from work laying in position , vibrating , compacting , curing , all labour charges , tool and plants and all other incidental, operational charges etc. complete as directed by the dept. Engineers		
260	Supply of MS channels to the existing MS chequered plate booster cover, removing completely damaged channels and doors fabrication , alteration and fixing of new channels and doors including cost and conveyance of all materials, transporting , loading , unloading with necessary hired crane , welding transformers , gas cutter set , men and material charges, painting complete as directed by the HMWSSB Engineers		
261	Supply and Transportation of star rated 5 HP V-4, 15-25 Stage Three phase ISI submersible motor pump set suitable for 6" Bore well, Makes: Texmo / CRI/ KSB  Aryan Varsha / Lubi / Falcon.		
262	Supply and delivery of 440 Volts, 3 Phase, 50 Hz, 5HP/ 3.75 KW, 35 stages submersible pump set, with copper winding and copper rotor of  Kirloskar/KSB/Texmo/ CRI/LUBI make, including loading and unloading labor charges, transportation, and transit risk upto destination etc complete as directed by the department Engineers		
263	Supply of red oxide and silver paint and painting to MS electrical poles, cleaning with wired brush, applying red oxide and 2 coats of silver paint including cross arms		
264	Supply & fixing of line spacers at Lt over head line with the help of crane		

265	Fabrication ,Supply and installation of the 16 SWG CRCA sheet enclosure for power control cubical panel door type etc including cutting,bending, drilling ,welding and riveting complete with cleaning with 7-tank process and painting with powder coating including cost & conveyance of all materials andlabour charges etc., complete with Supply and Fixing of the following switch gear in the existing power control panel including cost of all materials and labour charges complete - 400 A4 pole MCCB/L&T /Standard/Sputnik/ Legrand make as incoomer, 2) out goings 2 No.s 250-4 poles MCCb noos.3) 160 amps 4 pole MCCB- 1 No.4) 63 amps 4-pole MCCB-3 No.s 5) provision for capacitor bank 6) 3 No.s pahse indicator lamps 7) 1-No. 0-500V voltmeter 8) 0-100A Ammeter and bus bar arrangements and selactor swiches including internal connections and labour charges for Flush mounting etc. CC job work etc complete		
266	Suppy, delivery and fixing of 20HP 3-phase 415 Vlots inline booster pump set with a head of 22Mts to discharge 33 LPS of Lubi/Texmo including cos, conveyance of all materilas and labour chrages etc. complete as directed by the HMWSSB Engineers		
267	Supply & delivery of Asbestos Graphite Gland Rope for different pumps under electrical section including taxes & duties etc., complete. I a) 0.8 mm size Gland Rope b) 0.10 mm size Gland Rope c)0.12 mm size Gland Rope		
268	Supply & delivery Carbon Tetrachloride CTC, for cleaning of control panel, other accessories including taxes & duties etc., complete.		
269	supply and laying of 2 Mtrs X 1 Mtr X 12mm thickness rubber matting in front electrical equipment as shock proof during operations cost and conveyance of all material.		
270	Supply, delivery of Grease of Light Brown color for usage towards pumps as per pump manufacturer recommended.Servo/Castrol : As per departmental officers directions		
271	Supply, delivery of MCCB control box each individual fitting including the cost of material, transport etc. complete as directed by the departmental officers.		
272	Supply,delivery and fixing of MCCB 10 Amps for streetlight controlling including the cost of material, transport etc. complete as directed by the departmental officers.		
273	Supply,delivery and fixing of 40 Amps MCCB 2 pole for main control of streetlight including the cost of material, transport etc. complete as directed by the departmental officers.		
274	Supply and delivery of Terminal plate for incoming and outgoing connectors including the cost of material, transport etc. complete as directed by the departmental officers.		
275	Supply and delivery of WPTC 2 core 7/ 20 service connectors for streat light including the cost of material, transport etc. complete as directed by the departmental officers.		
276	Supply and delivery of 10mm GI wire for supporting of WPTC service wire from pole to pole including the cost of material, transport etc. complete as directed by the departmental officers.		
277	Supply,delivery and fixing of street light fixing bending pipes, GI including the cost of clamp set, cost of material, transport etc. complete as directed by the departmental officers.		
278	Supply, delivery and fixing of 48", 3 blades, brown colour, with down rod etc. icluding the cost 1 of material, transport, labour etc.complete as directed by the Departmental Officer (make Crompton / Philips / any ISI)		
279	Manufacturing of 6 mt swaged tubler pole for street light fixing, (bottom - 114.3mm 3 mt B class, middle 88.9m 2mt B class, top 76.8mm 1 mt. total 6 mt, base plate 25x250x5 mm thick, double arm socket 88.9mm 250mm length, fixture holder 40mm 300m length), including the cost of material, manufacturing with Aluminium paint etc complete as directed by the Departmental Officer.		
280	Supply, delivery and fixing of 24 wt 4 feet lengthTube light fittings including the cost of material, labour, transport etc. complete as directed by theDepartmental Officer (make Crompton/ bajaj)		
281	Supply, and delivery of PVC wall brackets, for fixing of LED tube lights , fittings to walls etc. including screws, gatties etc. including the cost of materials, transport etc. complete as directed by departmental officers.		
282	Supply, delivery and fixing of 1/18 Two Core Multi strand copper wire for connecting to the LED tube light etc ..		
283	Supply and delivery of 10 sq.mm two core Aluminium armoured cable for conneting the power to each street light pole		
284	Supply and delivery of 10amp single pole MCCB		

285	Supply and delivery of 40amp two pole MCCB for controllinmg of power supply		
286	Supply and delivery of 2 pole MCCB fixing box of MS		
287	Supply and delivery and fixing of 15 HP MK-I star delta starter panel box M.S. panel box with lock and key arrangement it consists as below: (a)Star delta stater (L&T make) (b)32 Amps MCB (3 pole) L&T make ( c )Preventor single phase - 1 No. ( d ) 500 Amps Volt meter - 1 No. (e)100 Amps Amp meter - 1 No. (f)RYB indicating lampset - 1 No. Including cost of material, transport etc. complete as directed by the Departmental Officer.		
288	Supply and delivery of two Nos. 12" GI pipes, digging and fixing the Iron pipe, provding cement concrete tc. And fixing of the panel box and connecting the wires etc. complete as directed by the Departmental Officer.		
289	Supply and delivery of Borewell cover including the cost of material transport, etc. complete as directed by the Departmental Officer.		
290	Supply and delivery and fixing of 7.5 HP starter panel box for Tanker filling at Chilkalgud, it consists as below: (a)19 to 22 Amps Rely DOL stater - No. (b)32 Amps MCB - 1 No. (c)32 Amps Meter - 1 No. (d)500 Amps Volt meter - 1 No. (e)Single phase preventor - 1 No. (f)RYB indicating lampset - 1 No. Including cost of material, transport etc. complete as directed by the Departmental Officers.		
291	Supply and delivery of 60 wt LED street light fittings fiing ni the Reservoir premises etc. including cost of material, transport, etc. complete as directed by the he Departmental Officers.		
292	Supply and delivery of 200mm dia 8 mm thick MS pipe including transportation up to the site		
293	Supply and delivery of 200mm dia 16 mm thick MS flange 6 including, turning and transportation up to the site		
294	Supply of MS nuts, bolts, washers for fixing of the above sulice valve and flanges.		
295	Supply of 6mm rubber gaskets for fixing of the above sulice valve and flanges		
296	Supply, boring, key way cutting fixing testing and trail run of coupling pulley set with coupling bolts and rubber bushes to 100HP HSC pump set.		
297	Supply and Fixing of ISI 25mm outer dia medium grade with IS 9537 part 3 regid PVC pipe surface on wall/ceiling with all required saddles and all accessories and labour charges etc complete for run of mains Makes Sudhakar Finolex/ Modi/ MP/ precision / Universal / Million Plast/ Polycab/ DEC.,		
298	Supply and fixing of 6A ISI mark 32 pin Modular socket with 6A 1 way Modular switch 3 Modular box with cover frame and GI switch box on common switch board with connections etc., complete.Makes of wires Finolex/RR kabel/ Haveils/ APARBXL/ KEI/(UEFR)/ L&T/HPL / RPG / Anchor/GM/Million/Gold Medal/Power Flex/Sudhakar Makes of switches Legrand Arteor / Schmedar /Zen celo/Honey well Blenge plus/Cabtree Amare/Logus Platina/ GM Zenova/L&T Englaze/Million mway/Goldmedal Curve/Anchor Roma Viola/Haveils Fabro/Panasonic vision/Hager insista C&S primo/polycab Levana.		
299	Suppiy and fixing 6A switches 2Nos.s and 6A 3/2pm socket- 3 Nos Modular type with cover plate and GI switch box fixing on separate board including all labour charges etc., complete Makes of wires Finolex/RR kabel/Haveils/APAR EBXL/ KEI/(HFFR)/L&T/HPL/RPG/Anchor/GM /Million /Gold Medal/Power Flex/Sudhakar Makes of switches Legrand Arteor/Schmedar Zen celo /Honey well Blenge plus/Cabtree/Amare/Logus Platina/ GM Zenova/L&T Englaze/Million mway /Goldmedal Curve/Anchor Roma Viola/Haveils/Fabro/Panasonic vision/Hager insista C&S primo/polycab Levana.		
300	Supply and fixing of 16A /6A2 in one socket with 16A switch control modular type with and GI switch box with front cover plate including all labour charges etc., complete Makes of switches Legrand Arteor/ Schneider Zen cello/Honey well Blenge/plus/Cabtree mare /Logus Platina GM Zenova L&T Englaze/Million mway /Goldmedal /curve/Anchor Roma viola/lavelis Fabio /pasonic vision/Hager insita/C&S Primo/Polycab Levana.		
301	Supply and run ot 3 ot 2.5 Sqmm 36/0 mm) (Phase, Neutral and earth) FRLS/HEFR PVC insulated flexible copper cable in existing conduit pipe for individual lighting circuits etc., complete as required for switch boards Makes: Finolex / RR kabel / Havells /Polycab / Beljin (HEFR)/ollvin(HFFR) Finecab Gold (HFFR) / GM(HFFR) / IGoldMedal(HFFR) / Million HEFR) / KEI (HEFR)/ V-Guard (HEFR)./ DEC (HFFR) / Bonton(HFFR) and Avocab (HFFR) Fortune Arrt(HFFR) / SPM (HFFR) / Sudhakar (HFFR) /Nakoda (HFFR) / HPL (HFFR) / GLOSTER		

302	Supply and run of 3 of 4.00 sqmm (3670 mm) Phase, Neutral and earth) FRLS/HFFR PVC insulated flexible copper cable in existing conduit pipe for individual lighting circuits etc., complete as required for switch boards Makes: abYFinolex / RR kabel /Havells /Polycab / Beljin (HFFR) /ollvin(HFFR) Finocab Gold (HFFR) / GM(HFFR) /GoldMedal(HFFR) / Million HFFR) / KEI (HEFR)/ V-Guard (HEFR)/ DEC (HFFR) / Bonton(HFFR) and Avocab (HFFR) /Fortune Arrt(HFFR) /SPM (HEFR) / Sudhakar (HFFR) /Nakoda (HFFR) / HPL (HFFR) / GLOSTER		
303	Supply and fixing of 2 Module Modular type Electronic step type Fan Regulator for sweep AC ceiling fans of 1200 mm 1420mm complete with connections Makes of switches Legrand Minus/ million /GoldMedal curve/ Anchor Roma viola / Haveils Fabio/ Panasonic Vision /Hanger Insista /C&S/Pro,p/Polycab Levana.		
304	Supply and transportation of Supply of Electronic Musical Bell Makes : GM / Million/ Gold Medal /Anchor / Great white.		
305	Supply of 6-32A SP MCB 10KA, C/D Curve ISI Mark.Makes: la)Legrand-DX3/ Schneider-Acti9 /Siemens/ L&T Exora /Cabtree / Indo Asian/BCH		
306	Supply of 6-32A TP MCB 10KA, C/D Curve ISI Mark.Makes:Legrand-DX3/ Schneider-Acti9 /Siemens / L&TExora / Cabtree/Indo Asian/ BCH		
307	Supply of 40-63A FP MCB 10KA, C/D Curve ISI Mark.Makes: Legrand-DX3 / Schneider-Acti9 /Siemens / L&T Exora / Cabtree / Indo Asian/ BCH		
308	Supply and Transportation of 2HP 25 stages single phase ISI submersible motor pumpset suitable for 4" Bore well.		
309	Supply, Transportation and fixing of 32mm dia, 450mm length, 12mm thickness and 75mm wide MS Clamp set with required nuts and bolts		
310	Supply, delivery, testing and trial run of new V4 5HP submersible Pump-set with rotor made of copper and stator body Construction of C.I impeller and CI body as per IS specifications or Makes: Kirloskar / Crompton / Texmo / CRI/ KSB / lubi make including cost and conveyance of all materials, labour charges etc Complete as per instructions of HMWSSB officers.		
311	Supply, Delivery of 50mm of MDPE pipe ncluding tansportaion charges etc complete as per instructions of HMWSSB officers.		
312	Supply, delivery, testing and trial run of new 7.5HP open well submersible pump-set for inline booster with rotor made of copper and ci stator body construction of C.I impeller and CI body Makes: Kirloskar / Crompton / Texmo / CRI/ KSB / lubi make including cost and conveyance of all materials, labour charges etc Complete as per instructions of HMWSSB officers.		
313	Supply, delivery, testing and trial run of10HP inline booster with rotor made of copper and ci stator body construction of C.I impeller and CI body Makes: Kirloskar / Crompton / Texmo / CRI/ KSB / lubi make including cost and conveyance of all materials, labour charges etc Complete as per instructions of HMWSSB officers.		
314	Supply and delivery of all types of hand bore well materials like foot valve. cylinders. plunger rods, connecting rods. pipe wise. pipe wrenches etc., lor repairing of hand bore wells in various locations		
315	Plunger rods		
316	Connecting rods 10 length		
317	Pipe wise 4" heavy duty		
318	4 Cylinder assembly		
319	18" pipe wrench		
320	24" pipe Wrench		
321	12" pipe wrench		
322	10" pipe wrench		
323	12" Screw Drivers		
324	Upper Valves		
325	Fan valves		
326	Haksaw frames		
327	Haksaw blades		
328	12mm gland rope		
329	Grease		
330	Nuts, bolts and watchers		
331	cotton waste		
332	Bore well Axcel		
333	Supply and Fixing of 500 liters static tanks in place of damaged including 40mm gate valves GI pipe. Union and CC other ilems as pe sit in entire jurisdction as per the instruction of departennental officials		

334	Supply and Fixing of 1000 liters static tanks in place of damaged including 40mm gate valves .GI pipe, Union and CC other items as per sit in entire jurisdiction as per the instructions of departmental officers		
335	Supply and fixing of 50mm GI pipe. 15mm GI nipples. T joints. dummies. require taps. providing threading to all nipples. plunbing charges etc., for drawing the water as per site condition		
336	Supply and Fixing of 1500 liters static tanks in place of damaged including 40mm gate valves GI pipe.Union and CC otlher items las per sit in entire juriSdiction as per the instructions of departemental officials		
337	Supply, Delivery and filling of procure oil including cost & conveyance of all materials labour charges for loading and unloading etc complete as directed by the dept officers (Rates as per Quotations)		
338	Supply, delivery of Breather with Silica Zel cost & conveyance of all materials labour charges for loading and unloading etc complete as directed by the dept officers (Rates as per Quotations)		
339	Manufacture, Supply, and delivery of MS plain plate o size 1.80x0.38mtr over the booster dome with 8mm thick including cost and conveyance etc., complete		
340	Manufacturing , supply, delivery of MS box stand of 0.40 mtr length including cost, conveyance etc. complete		
341	Manufacture, Supply and delivery of MS cover of Booster Chamber fabricated with 7mm thick MS chequered plate with MS angles 50x50x6mm thick including cost and conveyance of all materials and labour charges etc. complete		
342	Supply, Delivery and Transportation of 30HP 18 to 32 mtrs head discharge capacity 90 LPS open well submersible 3Phase pump set including cost and conveyance transportation, loading, unloading  charges etc, complete as directed by the HMWSSB Engineers. Makes Texmo / CRIT KSB/Aryan Varsha / Lubi / Falcon		
343	Supply and Transportation of out and dour door type Control panel board fabricated with 16SWG CRCS sheet, powder coated for three phase submersible motor 30 HP @ 415V 50Hz operating, fitted with LNT /BCHI SIEMENS CROMPTON make 3nos.of 50A power contactors, OLR,timer, 0-500V Volt meter and 100/5A Ammeter, CTs, Indication lamps, selector switches, 125A TP MCCB, Single Phase preventor with water level sensor, 32A TPN MCB with ISI marked 10KV AR capacitor complete		
344	Supply delivery and fixing of nutes and boltes 2nos Washers etc complete as directed by the HMWSSB Engineers		
345	Manufacturing, supply delivery and fixing of Suitable MS base frame in 200 X 150 x 10 mm MS channel for mounting both pump and motor duly assembling withproper alignment and fixing with a length of 2 X 1. dia 8 no's Bed Bolts, Nuts and washers with necessary fasteners to suit theexisting 60 HP motor including cost, conveyance and all materials and incidental., operational charges transits risk upto destinationetc., complete as directed by the departmental officers		
346	Supply, Delivery and Transportation of MS Chanel of size 300mm x90 x7.8 including cost of all accessories and including cost and conveyance  transportation, loading, unloading charges etc, complete as directed by the HMWSSB Engineers. (36.3 Kg/ Mtr)		
347	Supply delivery and fixing of new MS Pipe of 300mm dia 8 mm thickness with epoxy coating including cost and conveyance and labour charges after deducting cost of old materials etc. complete as directed by the dept officers		
348	Supply and Delivery of MNX.32 Contact kit including cost and conveyance etc., complete as directed by departmental officers.		
349	Supply, delivery of MCCB 63 AMPS including cost and conveyance, labour chages etc., complete as directed by the departmental officers.		
350	Supply, delivery of MCCB 32 AMPS including cost and Conveyance, labour chages etc., complete as directed by the departmental officers.		
351	Supply and delivery of connecting rods of 10ft length I.S quality including cost and conveyance, labour chages for loading and unloading etc complete as directed by the departmental officers.		
352	Supply and delivery of Bore well Axle of I.S quality including cost and conveyance of all materials, labour chages for loading and unloading etc complete as directed by the departmental officers.		
353	Supply and delivery of Handle assembly of I.S quality including cost and conveyance of all materials, labour chages for loading and unloading etc complete as directed by the departmental officers.		
354	Supply and delivery of lower valve assembly of I.S quality including cost and conveyance of all materials, labour chages for loading and unloading etc complete as directed by the departmental officers.		

355	Supply and delivery of stand assembly of I.S quality including cost and conveyance of all materials, labour chages for loading and unloading etc complete as directed by the departmental officers.		
356	Supply and fixing of chain with coupling assembly including cost and conveyance of all materials, labour chages for loading and unloading etc complete as directed by the departmental officers.		
357	Supply and fixing of pump buckets including cost and conveyance of all materials, labour chages for loading and unloading etc complete as directed by the departmental officers.		
358	Supply and delivery of upper valve assembly of I.S quality including cost and conveyance of all materials, labour chages for loading and unloading etc complete as directed by the departmental officers.		
359	Supply and delivery of check valve assembly of I.S quality including cost and conveyance of all materials, labour chages for loading and unloading etc complete as directed by the departmental officers.		
360	Supply and Fixing of chain with Coupling Assembly including cost & conveyance of all materials, labour charges for loading and unloading etc complete as directed by the dept officer		
361	Supply and Fixing of Sealing rings including cost & conveyance of all materials, labour charges for loading and unloading etc complete as directed by the dept officer (Rates as per Quotations)		
362	Supply delivery and preparing of coils set with new PVC copper wire as per the existing guage design and quantities of coils including dismantling the rotor from the stator of 5 HP submersible motor removing burnout PVC copper wire from the stator cleaning the stator slots, providing insulation PVC paper, rewinding with new PVC copper wire changing motor spares, and giving connections taping and assembling the pump set with painting including cost and conveyance of all materials after deduction of old materials including labour charges etc.. complete as directed by the dept. officers		
363	Supply, delivery, testing and trial run of new horizontal split case Sngle stage centrifugal pump in standard CI construction of Gun Metal /Red-Brass impellor, Shaft, Sleeves ,Neck rings etc., ( i . e , an alloy of copper (88%), tin (10%), and zinc (2%)) with 200/150mm suction/delivery to discharge 90 LPS at a head of 30 Mtrs of Kirloskar/M+P or its equivalent make including cost and conveyance of all materials.taxes and incidental operation charges and transits risk upto destination etc., complete as directed by the departmental officers		
364	Supply, delivery , testing and trial run of new 50HP/ 37 KW 1450 RPM squirrel cage TEFC induction motor of rating 415 volts, 50Hz, 3 phase Kirloskar/Crompton Greaves /ABB make including cost and conveyance of all matenals,taxes and incidental operation charges and transits risk upto destination etc., complete as d irected by the departmental officers.(including taxes)		
365	Supply, Transportation, laying of "C" class heavy duty MS pipe conforming to IS 3589/IS1239 painting with two coats of synthetic enamel pait makes: Jindal Hissar / Tata pipes		
366	250 mm dia MS-Pipe with 10mm thick ( Laying from Sump to Suction end of the pump)		
367	200mm MS-Pipe with a length of (2) Mir , 10mm thickness		
368	250 mm dia MS-Flange with thickness of 25 mm		
369	200 mm dia MS-Flange with thickness of 25 mm		
370	150 mm dia MS-Flange with thickness of 20 mm		
371	125 mm dia MS-Flange with thickness of 20 mm		
372	Manufacturing , Fabrication, supply , delivery and fixing of 250mmX150 mm dia MS convergent (Tapper) of length (0 .5) Mtr made with 10 mm thickness MS plate,including cost of fabrication . painting, finishing and labour charges complete materials complete etc , as directed by the departmental officers		
373	Manufacturing .Fabrication , supply, delivery and fixing of 125mmX200 mm dia MS divergent (Tapper) of length (0 .5) Mir made with 10 mm thickness MS plate, including cost of fabrication , painting, finish ing and labour charges complete materials complete etc , as directed by the departmental officers		
374	Manufacturing, supply ,delivery of following Ms-Specials of 10mm thickness MS palte including cost of MS plate including cost of MS and its fabncation ,coloring with eproxy both sides cost and conveyance etc. , complete		
375	250mm dia 45 degree MS- Bend of length 1.5 Mtr ~ one end flange		
376	200mm dia 45 degree MS- Bend of length 1.5 Mtr with one end flange		
377	Supply, delrvcry ond frxing ol Oil type pressure gauge monetary apparatus for reading the section and delivery pressure including cost and conveyance of materials viz. siphon pipe reducer and Zolto valve , labour charges etc. complete as directed by the departmental officers		

378	Supply, delivery and laying of 35 Sqmm single core copper flexible power cable from starter to motor including cost and conveyance of materials , labour charges etc. complete as directed by the departmental officers		
379	Providing end terminations to the 25 Sqmm copper cable with copper crimping lugs duly wrapping with insulation tapes including labour charges etc. complete as directed by the departmental officers		
380	Supply delivery and fixing of necessary switch gear electrical material viz power contactors, over load relay, SD timer, back up SFU with fuses and other accessories as per requirement in existing panel board to operate new 50HP pump set duly providing necessary cable connections to new pump set testing with instruments and trail run and relaying the pannel box with grouting, straiting and cc bed, painting, wiring etc., complete including cost and conveyance of materials, labour charges etc., complete		
381	Providing independent Earthing for sophisticated electrical & electronic equipments with 600mm X 600mm X3.15mm thick copper plate fixed to 40mm G.I pipe of 3 Mts length connected with reducer providing GI funnel with wire mesh as natural electronic code including CC chamber of size 400mm X 400mm X400mm covered with RCC slab filling 1 with salt, charcol giving earth connection from electrode through G.I strip of 25mmx6mmx200mm length with all accessories and labour charges etc..complete as per I.S specification 3043. complete as directed by the departmental officers		
382	Supply and laying of 25mmX6mm GI strip from earth pit to switch gear unit including cost and conveyance of all materials etc., complete		
383	Supply, delivery and fixing of 5HP/1450 RPM 415 volts 3 phase Vacuum Pump sets modle DV 40 Kirloskar make, on suitable base frame, fixing base bolts and laying co including cost and conveyance of materials., complete		
384	Erection of 50HP pump & motor on base frame with proper alignment tightening of pump & motor base bolts and coupling bolts, fixing of suction & delivery pipelines, gate ve & Non-return valves by welding specials and flanges to pipeline with three line arc 20 welding and lowering of suction pipe in sump, including cost of rubber packing bolts nuts & washers, hire charges welding transformer, gas cutter and chain pulley & tripod etc. complete as per directon of department officers.		
385	Supply and transportation of 100 W LED Street lights including cost of 21 material and transit risk up to destination as per direction of department officers		
386	Supply, delivery and fixing of 30 HP 3 Phase 415 volts open well submersible pump set with a head Range at 26 Mtrs 3200 LPM discharge to 34 Mts head of 2400 LPM discharge of Lubi make Model LHS 42 including cost and conveyance of all materials and etc complete		
387	Dismantling and removing of 15HP Mono block pump set, along with Cc bed base frame, suction/delivery pipe lines and valves with gas cutter duly disconnecting electrical connection from motor & control panel board etc.,including hire charges of equipment and labor charges.		
388	Laying of CC for Sluice vlave & NRW As pedestals with cement concrete in (1:2:4) proportion with 20mm hard granite metal, by providing ms bars and foundation bolts as per requirement including cost and conveyance of material and labour charges.		
389	Supply and delivery of 2 Nos 4" dia pressure gauge for delivery with necessary stop cock3/8" MS pipes for reading suction and delivery pressure pluming work cost and conveyance of materials and complete etc..		
390	Supply and fixing of single preventer to avoid burnout of motor in single phase and running without including cost and conveyance of all materials and etc., complete		
391	Supply, Transportation, laying, of 'C' class heavy duty MS pipe 150 mm dia conforming to IS 3589/IS 1239 painting with two coats of synthetic enamel paint Makes: Jindal Hissar / Tata pipes		
392	Supply and delivery of 150mm dia MS-Bend 6mm thick MS plate of suitable length including cost of material, fabrication conveyance and painting.		
393	Supply, delivery, installation, suitable capacity of hoist hook with two ISMB channels to lift the pumpset from sump if any maintenance is required and cost and conveyance, etc. complete		
394	Supply, delivery, testing and trial run of new 7.5HP open well submersible pump-set for Tanker filling stations with rotor made of copper and CI stator body construction of S.S impeller and S.S body as per IS specifications of Makes: : Kirloskar / Crompton / Texmo / CRI/ KSB / lubi make including cost and conveyance of all materials, labour charges etc Complete as per instructions of HMWSSB officers.		
395	Supply, delivery, testing, fixing and trial run of new 15HP open well submersible pump set with a range of 18-42meters head and to discharge 50LPS with a construction of C.I impeller and CI body as per IS specifications of LUBI or its equivalent make including cost and conveyance of all materials, labour charges etc. complete as directed by the Dept. Officers.		



396	Supply fabrication of suitable outdoor cubical control panel board with powder coated in 16SWG iron sheet comprising of below items of internal wiring with necessary locking arrangements as mentioned below for 1 No. above pump set of L&T/BCH/C&S/HAVELS or its equivalent make consisting of 4 legs pedestal type. a.MNX contactors-45 A 3 Nos b. 125 A MCCB 1 No. c. Suitable relay 1 No. d. 0-500V volt meter 1 No. e. 0-100A ammeter with 1 No. 100/5Amps CT f. RYB indicator lamps 3 Nos g. 40AmpsTMC8 1 No. h . Push button R & G 2 Nos i. 15 KVAR capacitor 1 No. j. Single phase preventer 1 No.		
397	Supply and Run of 25mm x 6mm G.I Strip including cost of all accessories and labour charges etc.: complete. (1.18 Kg / Mtr)		
398	Supply of 3 core 6 sqmm Flat Copper cable of ISI for Submersible Motors. Makes :/Finolex / RR Kabel / Havells /KEI /L&T Elec-1.6.3 SI.No.280©		
399	Supply and fixing of MNX 110 contactor unit in place of damaged including removing the burnout fixing new above including materials and labour charges, etc as per-departmental officers directions		
400	Supply and fixing of MNX95 contactor unit in place of damaged including removing the burnout fixing new above including materials and labour charges, etc as per-departmental officers directions		
401	Supply and fixing of MNX 110 contactor Spare kits in place of damaged including removing the burnout fixing new above including materials and labour charges; transport charges etc as per departmental officers directions		
402	Supply and fixing of MNX 95contactor Spare kits in place of damaged including removing the burnout fixing new above including materials and labour charges; transport charges etc as per departmental officers directions		
403	Supply, delivery of 10 HP 3 phase 415 Volts open iwell submersible monoblock pump set for inline booster pump set with 20 to 26 mtrs head and 1100 to 1420 LPM discharge 100x100mm suction and delivery of Lubi/texmo or equalent make including cost and conveyance.		
404	Supply, delivery and fabrication of suitable MS special Type Chamber provision for 10HP openwell submersible pump set for boosting with necessary lassembling suitable dia MS specials and MS flanges inside chamber with rubber packing bolts and nut cooling system and angle, channel supporting in the bottom. The top cover is removable type with necessary holes gasket bolts & nuts for easy maintenance provision for drawing electrical sensor wiring for preventer and necessary 1" dia NRV,Heavy duty and end ball cock including cost and conveyance of all materials, transporting loading unloading with necessary hired crane and lorry man and material charges including labour charges for junction work etc.,Complete as directed by the departmental officers.		
405	Supply, delivery and laying of 4 core, 4 sq mm, Copper armored underground cable fine cab from outdoor panel to pump set near MS shell including necessary Connection with cost and conveyance of taxes duties with all other incidental and operational charges etc. lcomplete as directed by the departmental Officers		
406	Supply, fabrication and fixing of 25x6mm Gl earthing strip for panel boards and booster chamber earthing as directed by departmental officers		
407	Manufacture, Supply, delivery of 150mm MS barrel with a length of 1 Mtr. Fabricated barrel of 8mm thickness MS plate including cost of MS plate including cost of MS and its fabrication, coloring with epOxy on both sides cost and Conveyance etc complete as directed by the departmental officers.		
408	Manufacturing, supply. delivery of 150mm MS flange of 14mm thickness with making holes to flanges including cost of MS and its fabrication. coloring with epOxy on Jboth sides cost and conveyance etC complete as directed by the departmental officers		
409	Supply and delivery and filling the new transformer oil of power oil make etc complete including cost and conveyance etc complete as directed by the dept officers.		
410	Supply and delivery and replacement of unserviceable gasket of including cost and conveyance etc complete as directed by the dept officers.		

411	Supply and Fixing of H.T bushing metal parts 500KVA etc complete including cost and conveyance etc complete as directed by the dept officers.		
412	Supply, delivery, fixing, testing and trial run of Horizontal split casing Pumpset Kirlosker make UP 250/38 with head of 30mtrs and discharge 650m3/hr pumpset complete rotating element suitable to the existing kirlosker make bare CI body with shaft, double impellers, bushes, neck rings, new bearings with housings with new pulley set as supplied by kirlosker company etc. complete as directed by the departmental officers		
413	Supply and fixing of suitable flexible coupling for new rotating element shaft of 100 HP Pumpset, with necessary boring to couplings to suit bioth pump nad motor shafts on lathe machine and rubber bushes bolts & nuts labour charges complete		
414	Supply delivery and fixing of pressure monitoring guages of standard make including required nippals couplings stop cock etc Complete including cost and conveyance of all the materials trasportation charges and labour charges etC Complete		
415	Supply, delivery, testing and trial run of new V4 5HP submersible pump-set with rotor made of copper and ci stator body Construction of C.I impeller and CI body as per IS specifications of Makes: Kirloskar / Crompton / Texmo/ CRI/ KSB / lubi make  including cost and onveyance of all materials, labour charges etc complete as per instructions of HMWSSB officers.		
416	Supply, delivery, erection and commissioning of 10 HP / 7.5 Kw, 415 Volts , 50 Hz 1440 RPM monoblock type pum set with discharge of 36 to 24 LPS at head of 16 to 34 meters of Texmo/ Comptrom ISI make including cost, conveyence all labour laoding and unloading and traspotation charges and transit risk upto destination etc. complete as directed by the dept. officers.		
417	Fabrication., supply, delivery, fixing and commissioing of suitable outdoor cubical panle board made in 16SWG iron sheet with enamel cota along with necessary locking arrangements and suitable MS angular stand for opearing of 10 HP above pump set the panel shall be comprising of below items with internal wiring of L&T / BCH/ Havels make 1) MNX 32 Amps Contactors-2 No.s B) MNX 25 AMps contactors c) MN2. 14-23 Relay 1No. D) 63 Amps SFU switches 1NO. e) 0-500Volts Voltmeter 1NO. F) 0-50 Amps Ammeter with 50.5 Amps CT/S-1 sets,g) RYB indicators lamps-1Set H) suitable 3-pole MCCBN 1 NO. etc. complete as direc ted by the dept. officers.		
418	Supply and run of 2 of 2.5 sq MM, 36/0.3 mm multi core copper flexible wire with same gauge Mtrs wire for run of main for room circuit in PVC pipes, giving connections, inclu. Cost && conveyance of all electrical materials and labour charges etc. complete		
419	Supply delivery and fixing 32 A DP Switch with box and supply and fitting of pvc pipes, bends, junction boxes etc., with saddle screws and necessary connections including cost of materials, transit risk and technician charges etc., complete. as directed by the department officers		
420	Supply delivery and fixing switch board of 8 Modle modular with 6 Amps one way flush type switches 4 nos, 8 Amps 5 pin sockets 1 nos with screws and necessary connections including cost of materials, transit risk and technician charges etc., complete. as directed by the department officers.		
421	Supply delivery and fixing 6-32A SP MCB, 10KA C/D Curve ISI Mark. Makes : Legrand-DX3 / Schneider-Acti9 Siemens/ L&T Exora with screws and necessary connections including cost of materals, trans1t risk and technician charges etc., complete.		
422	Supply delivery and fixing 40-63A SP MCB, 10KA C/D Curve ISI Mark. Makes : Legrand-DX3 7 Schneider-Act19 / Siemens / L&T Exora with screws and necessary connections including cost of materials, transit risk and technician charges etc., complete.		
423	Supply, deliver and fixing of 48" new celing fans crompton high Speed/Orient/Havel / Allmonard or its equaling make including cost of materials, transit risk upto destination etc., complete. as directed by the department officers.		
424	Supply, deliver and fixing of 10 sq.mm WPTC (Weather proof twin core) ISI fincab make Alluminium Wire includ1ng cost and conveyance and transportation, all labour charges transist risk etc., complete.		
425	Supply and delivery of 440 Volt 3 Phase 50 Hz 5 HP/ 3.75 KW 16 stages V6 submersible pump set with copper winding and copper rotor of Kirloskar/KSB/Texmo/ CRI/LUBI make,including loading and unloading labor charges, transpotation, and transist risk upto destination etc complete as directed by the department Engineers		

426	Supply, delivery and fixing of 2.00HP, 25 to 30 Stage single phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Texmo / CRI KSB / Aryan Varsha / Lubi / Falcon make, including loading and unloading labor charges, transpotation, and transist risk upto destination etc complete as directed by the department Engineers		
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**Note:**

1. Make and model wherever applicable shall be furnished.

**HYDERABAD METROPOLITAN WATER SUPPLY AND SEWERAGE BOARD**

**OFFICE OF THE DIRECTOR TECHNICAL**

**KHAIRTABAD: HYDERABAD-500004**

**List - IV**

**Name of the work: HMWS&SB - certain job works pertaining to O&M circles - lowest quotation - Req - Reg**

<b>Sl. No.</b>	<b>Description of item</b>	<b>Bidder quoted rate</b>
1	Dismantling the existing 150 HP horizontal split case pumpset including decoupling the motor removing bolts and nuts lifting the top cover takeout the rotating unit of the pump labour charges etc. complete as directed by the departmental officer	
2	Labour charges for polishing the bushes on lathe machine to avoid un even changing of check nut of shaft, notching to existing bearing housing to fix the bearing tightly and with necessary nuts and bolts etc., complete as directed by the departmental officers.	
3	Reassembling the existing 150 HP horizontal split case pumpset with cutting new champion paper as packing paper as per sample aligning the set of impeller shaft bearing housings etc fixing the top cover with bolts and nuts labour charges etc. complete as directed by the departmental officers.	
4	Removing of 5 HP V-4 submersible pump set from 6 1/2" dia borewell lalong with 1 1/4" HDPE pipe without damaging of pipe 2.5 sq.mm flat cable and pump set with necessary tripod and chainpully block etc., including labour charges etc., complete.	
5	Re-errection of 5 HP V-4 submersible pump set in 6 1/2" bore well with 1 1/4" HDPE pipe and 2.5 Sq.mm flat cable with necessary tripod and chainpully block, without damaging pump set and cable et., including labour charges etc., complete.	
6	Removing of 5 HP submersible pump set with pipe along with cable in the bore well with necessary equipment and connected delivery pipe, giving cable connections. test & tral run the motor satisfactorily with labour charges etc, complete	
7	Re erection of 5 HP submersible pump set with pipe aong wtn a cable in the bore well with necessary equipment and connected delivery pipe. giving cable connections test & ral run ne motor satisfactorily with labour charges etc., complete	
8	Removing the bearing side cover of the 150 HP squirrel cage induction motor dismantling the rotor from stator, painting with doctor beck moisture varnish, cotton tape tightly, heating the winding, baking and varnishing with Dr. Beck Varnish for further resistance keeping it in oven and cooling down to the room temperature closing the bearing cover fixing the fan and end covers and tested to insulation values upto 200 Megomhs including material and labour charges etc., complete	
9	Reassembling the existing 150 HP horizontal split case motor with rotor from stator and new bearings housings etc fixing the cover with bolts and nuts labour charges etc. complete as directed by the departmental officers.	
10	Providing main leads bracing with new copper lugs in place of existing damaged for giving winding connections cost and conveyance of all material and labour charges etc. Complete	
11	Re-Erection after repairs of 150HP motor on base frame with equired tripod chinpully and tools including with alignment of the motor and pump set giving electrical connecion to terminal block of the motor including cost of materials and lahoúr charges etc.. complete at as directed by the departmental officers.	
12	Disconnecting electrical cables from motors and starters, emoving the existing 60HP pumps and motors from base frames, including labour charges etc., complete	
13	Dismanting the existing CC bed with help of air ompressor up to bottom level including cost and conveyance of all materials labour charges etc. Compete.	
14	Providing new MS base frame in MS channel for mounting both pump and motor for assembling with proper alignment providing drilling of the base frame with 26mm holes for fixing the 1" dia 8 nos., bed bolts nuts,and washers of length of 18" including transporation labour charges complete.	
15	Excavation of earth and fixing of new base frame by providing reinforcement with 8mm & 10mm MS rods, providing new foundation bolts for proper strength of bed with new laying and refilling CC in the ration of 1:1.5:3 up to the level of MS base frame, curing etc., including cost and conveyance of all above materials labour charges etc., complete	

Sl. No.	Description of item	Bidder quoted rate
16	Providing MS base frame in 200 x 150 mm MS channel for mounting both pump and motor duly assembling with proper alignment, Removing of CC bed by compressed air drilling Machine with tractor complete and dumping of above materials outside, Providing gas cutting of the base frame bed bolts, pump base bolts, Providing drilling of the base frame with 26 mm holes for fixing the 1" dia, 8 Nos bed bolts, nuts and vouchers Supply. delivery and fixing of the existing base frame with new bed bolts of length of 3' of 1" dia with double nuts and vouchers and transportation charges of bed bolts and nuts, Laying and refilling the base frame by providing mesh consisting 6mm, 8mm MS rods, GI wire  for proper strength of bed with new CC in the ration of 124 upto the level of MS base frame and plastering. curing. finishing etc., including cost and conveyance of all above materials, labour charges etc.. complete as directed by the departmental officers	
17	Providing earthing with size 1 ½' dia 4' long GI pipe fitted to copper plate including cost of excavation of earthwork filling the pit with sand, cock and salt in alternate layers and Construction of brick wall, plastering, connections, nuts, bolts, testing to the above earth pit with heavy duty MS plate as per standards specifications including taxes, duties, cost and conveyance of all materials etc., complete	
18	Cutting of BT road surface including labour charges, all leads and other incidental and operational charges tool and plants etc complete for pipe line trenches as directed by the HMVWS&SB Engineers. (7x4=28 sq. M)x0.100=2.8 cum)	
19	Cutting of CC road surface including labour charges, all leads and other incidental and operational charges tool and plants stacking etc complete for pipe line trenches directed by the HMWS&SB Engineers. (7x4x0.15=4.2cum)	
20	Earth work excavation in Loamy and clayey soils, red earth and ordinary gravel and hard gravelly soils soft disintegrated rock etc. as directed by departmental officers, including leads and lifts, all incidental and operationals charges etc. and depositing the same on bank with an intial lead of 10 Mts. and excluding dewatering etc. complete as directed by the H.M.W.S.&.S. Board Engineers.(7x4x1.2=33.6 cum)	
21	Coushed Rubble Stone Masonary 2nd sort in CM (16) prop: using hard granite stone including cost and Conveyance of all materials to site labour charges curing all leads and lifts and all other incidental and operational chages etc. complete as directed by the departmental officers. (3.5x1.5x0.45x2nos = 4725) +(2.5x1.5 x 0.45x2nos.=3.375) = 8.10 cum	
22	Raised Cement Pointing to coursed rubble stone masonry in CM (1:3) prop including cost and conveyance of all materials to site labour charges leads and lifts curing and all other incidental and operational  charges etc. complete as directed by the departmental officers.	
23	Labour charges for junction works at site including laying jointing and erection of inlet and out let pipeline of 150mm dia main pipeline and fixing of sluice valve nonreturn valve rubber packing bolts and nuts site welding with 3 line arc welding making leaf proof including wages for welders, helpers, fitters etc. including hire charges for welding transformer machine gas cutting equipment etc.,complete as directed by the departmental officers	
24	Carting away the surplus excavated materials such as rock / earth the site to a suitable diatance of about 10Kms including loading. unload1ng. conveyance charges and dumping the carted material at the contractors cost labour charges. all leads and lifts. all other incidental and operational charges etc., complete as directed by the H M WS&. S Board Engineers	
25	Removing (old) and Re eraction new of 5 HP submersible pump set with pipe along with flat cable in the bore well with necessary equipment and connected the delivery pipe, giving cable connections, test & trail run the motor satisfactorily with labour charges etc.,. complete	
26	Removing of 40/50mm dia HDPE pipe. cable and 3/5/7 5 HP bore well submersible pump set from bore well, by engaging mobile bore pull1ng vehicle and labour	
27	Re-fixing of 4050mm dia HDPE pipes. cable and 3/5/7.5 HP bore well submersible pump set into the bore well, by engaging mobile bore pulling vehicle and labour.	

Sl. No.	Description of item	Bidder quoted rate
28	Removing (old) and Re erection new of 5 HP submersible pump set with pipe along with flat cable in the bore well with necessary equipment and connected the delivery pipe, giving cable connections,  test & trail run the motor satisfactorily with labour charges etc., complete	
29	Removing (old) and Re erection new of 5 HP submersible pump set with pipe along with flat cable in the bore well with necessary equipment and connected the delivery pipe, giving cable connections, test & trail run the motor satisfactorily with labour charges etc.,complete	
30	Dismantling of old and completely damaged IS Chequered plate coer by engaging crane & labour. shifting to Asifnagar EAM Scetion by engaginy iruck includ1ng lOading. transportation and unloading complete.	
31	Dismantling of old lines and poles panels including labour charges, all leads and other incidental and operational charges tool and plants etc complete as directed by the HMWNS&SB Enginee. The work taken up power restore with in 6 hours)	
32	Providing independent earthing for Important equipment with 100mm dia Heavy gauge C.I ( Cast iron ) pipe with Flange 2.5m long enclosed in C.C/ brick massonry chamber of 450m x 450m x400mm with R.C.C. Slab cover duly providing staggered holes filling with salt and charcoal from the bottom of the pipe giving earth connection from electrode through flange with all accessories and labour charges complete, as per IS specifications 732/1982 (Part II)	
33	Earth work excacvation including all soils for trench including all operational, incidental, labour charges such as shoring, sheeting. planking. strutting etc., and overheads & contractors profit complete for finished item of work excluding dewatering charges etc., (4ML x0.6M W x0.6M D x4 sides)	
34	Plain Cement Concrete (1:4:8) (cement: fine aggregate: Coarse aggregate) for foundations and under flooring bed using coarse aggregate 40mm size hard, machine crushed granite from approved quarry including cost and conveyance of all materials like cement, sand, Coarse aggregate, water etc. to site, including sales & other taxes on all materials and including all charges for machine mixing, laying concrete in foundations and under flooring bed, ramming in 15 cm layers finis hing top surface to the required level curing etc., and overheads & contractors profit complete for finished item of work. (APSS No. 402) (4ML x0.5M W x0.2M D x4 sides and 12 MS holes(0.5 x0.5x.4x12 =1.2) for fixing for 1.2cum)	
35	Brick masonry for panel walls in superstructure with CM (1:8) prop: (Cement: Screened sand) using common burnt clay bricks of class as per Table- I of IS.1077-1992, Non-Modular or traditional size 23 x 11 x7 cms from approved source having minimum crushing strength of 40 Kg/Sqcm. including cost and conveyance of all materials like cement, screened sand, bricks, water etc., to site, including sales & other taxes on all materials and such as labour charges, like mixing cement mortar, scaffolding charges, constructing masonry, lift charges, curing, etc.,and overheads & contractors profit complete for finished item of work. (APSS No. 501 &504).First Floor (4M L x0.45M Wx 0.6M H x4 sides)	
36	Plastering 20mm thick in two coats using screened sand with base coat lof 16mm thick in CM(1:6) and top coat of 4mm thick in CM(1:4) with dubara sponge finishing including cost and conveyance of all materials like cement, sand, water etc., to site, including sales & other taxes on materials and including cost of all labour charges for mixing mortar, finishing, scaffolding, lift charges, curing, including cutting grooves as directed by Engineer in-charge etc., and overheads & contractors profit complete for finished item of work (4M L x.60M H x4 sides and 2sides)	
37	Removing of unwanted debris, Grass and bushes duly cutting the grass, bushes and removing with their own implements and stacking at a covinient place Of 11kv/440v CT/PT substation. By engaging privatel labour and vehicle etc. including labour charges etc., complete	
38	Proviidng & fiixng HT danger notice plates of size 250mx 250m shall comply with IS: 2551-1982 on both sides and with inscription in signal red colour on front side as required	
39	Dismantling of old poles and fecning includng labour charges all leads and other incidental and operational charges tool and plants etc. complete as directed by the HMWSSB engineers	

Sl. No.	Description of item	Bidder quoted rate
40	Dismantling of old NRV and gate valves and CC beds etc. with Air compressor 7 cmm (diesel) including labour charges all leads and other incidental and operational charges tool and plants etc. complete as directed by the HMWSSB engineers	
41	Cutting and removing of existing damaged 300mm dia NRV and Gate valves from its joints caer fully cutting the help of gas cutting equipment by engaging the skilled workers who has performed similar type of jobs and helpers including cost and conveyance of all such as electrodes, hire charges for welding transformer and gas cutting equipment, including wages for fitters helpers, all incidental and operational charges duly taking all precautionary measures to work the pipe line etc, complete as directed dept officers.	
42	Lowering and fixing of 300mm dia NRV and Gate valves, laying and jointing of 300mm dia MS pipe line and welding with 3 run arc welding by engaging the welders and helpers including cost and conveyance of all jointing materials, such as electrodes, hire charges for welding transformer and gas cutting equipment, including wages for fitters helpers, all incidental and operational charges duly taking all precautionary measures to work the pipe line etc, complete as directed dept officers.	
43	PCC (1:2:4) prop with Cement:fine aggregate :coarse aggregate) using 6 to 20mm size graded hard granite graded machine rushed metal from approved quarry including cost and conveyance of all materials etc complete to site and including all perational, incidental and labour charges such as machine mixing, lift ,delifts, load laying  Concrete,curing etc.,complete directed by departmental officers. $4 \times 0.1 \times 0.8 \times 0.8 = 2.56$	
44	Providing independent earthing for Important equipment with 100mm dia Heavy gauge C.I( Cast iron ) pipe with Flange 2.5m long enclosed in C.C/ brick massonry chamber of 450m x 450m x400mm with R.C.C. Slab cover duly providing staggered holes filling with salt and charcoal from the bottom of the pipe giving earth connection from electrode  through flange with all accessories and labour charges complete, as per IS specifications 732/1982 (Part I)	
45	Engaging of Labour for cleaning of pump room and filling of graval etc(Man Mazoor)	
46	Fixing, testing and trail run of all the above elecro mechanical items as directed by the dept. officials.	
47	Removing of 40/50mm dia GI pipes, cable and 3/5/7.5 HP bore well submersible pump set from bore well, by engaging mobile bore pulling vehicle and labour.	
48	Fabrication and erection of 14SWG CRCA (2mm) steel enclosure for power control cubicle panel boxes etc., including cutting, bending drilling, welding and reveting etc., complete with cleaning with 7 tank process and painting with powder coating including Cost and conveyance of all materials and labour charges.	
49	Desilting from booster chamber, bailing out of sewerage water, removing MS chequered plate cover by engaging labour complete as directed by the departmental officers.	
50	Reconstruction of damaged CRS masonryby supply and construction of crushed rubble stone masonry 2nd sort in CM (1:6) prop: using hard granite stone including cost and conveyance of all materials to site labour charges curing all leads and lifts and all other incidental and operational charges etc , complete as directed by the HMWSSB Engineers	
51	Transportation of above items and erecting cable through structure giving support to the cable, removing old cable and refixng the cable to trhe incoming feeder panel from the transformer without causing any damages with necessary men,materials and labour charges etc.,complete as directed by the departmental officials	
52	Dismantling of 250mm dia DI Swing check valve and de-screwing of old rusted nuts, bolts of NRV Valve with gas cutting machine, removing and uprooting and stacking at site with the help crane, including all labour charges, hire charges of crane, Cost of gases and all incidental and operational charges etc complete. as directed by the departmental officers	
53	Welding of flanges 2 nos, duly by cleaning the welding portion with the help of grinding & wire brushes, including all incidental &operational charges, charges of electrodes,skilled welder, helper, etc. All complete as directed by the departmental officers.	

Sl. No.	Description of item	Bidder quoted rate
54	Cutting, removing of existing 250mm dia MS Pipe Line Strengthening up to a suitable length with the help of gas cutting equipment and cleaning with wire brushes and patch welding length in three line arc welding with ISO electrodes from inside and outside the pipe true to alignment and gradient duly cutting the hole to suitable sizes with experienced Welders and Helpers, including cost and conveyance and all incidental & operational charges etc complete. directed by the HMWSSB Engineers.	
55	Fixing of 250mm dia DI Swing Check Valve with new nuts, bolts, and packing rubber and D/F joints, and site welding charges for jointing of M.S. pipes and specials with 3 arc welding, gas cutting including hire charges of welding set and gas cutting unit including filling with water with a water lead upto 500m and testing to required pressure including all lead and lifts and skilled workmen, incidental and operational charges and etc. complete as directed by the departmental officers.	
56	Removing of existing burnout, old condemned 5 HP/415 volts, V4 submersible pump set from 6 1/2" dia bore well along with 1 1/4" HDPE pipe total approx length of 500 feet without damaging of pipe 2.5 sq.mm flat cable and pump set with necessary mobile machinery vehicle, transportation and Bore mechanic, helpers and vehicle driver charges etc., for power bore wells etc complete. as directed by the department Engineers	
57	Errrection of above supplied new 5 HP/415volts, V-4 submersible pump set in 6 1/2" bore well with 1 1/4" HDPE pipe of 500 feet approx length and 2.5 Sq.mm flat cable cable and pump set fixing with necessary mobile machinery vehicle, transportation and Bore mechanic, helpers and vehicle driver charges etc., of Electrical Datas 2022-23 for power bore wells etc complete. as directed by the department Engineers	
58	Fixing of 5HP/ 40 Stages, Three phase, ISI submersible motor pumpset in 6 1/2" bore well with 1 1/4" HDPE pipe and 2.5 Sq.mm flat cable cable and pump set fixing with necessary mobile machinery vehicle, transportation and Bore mechanic, helpers and vehicle driver charges etc., for power bore wells etc complete. as directed by the department Engineers	
59	Engaging dialy labour for removing the tree bushes and Scrub jungle under the over head line and removing waste materials from site including wages for labour and al incidental and operational charges etc. complete as directed by the HMWSSB Engineers.	
60	Dismantling of old lines and poles, panels including labour charges. All leads and other incidental and operational charges tool and plants etc. complete as directed by the HMWSSB Engineers. (The work taken up 1 only holidays of office and power restore with in 24 hours )	
61	Providing independent earthing for Important equipment wftth 100mm dia heavy guage C.I Cast iron pipe with glange 2.5 mm long enclosed in C.C brick / Brick Masnory chamber of 450mx450mx400m with RCC slab duly providing staggered holes filling with salt and charcoal from the bottom of the pipe giving earth connection from electrode through flange with all accessories and labour charges complete as per IS specifications(732/1982) Part-II	
62	Earth work excavation in loamy and clayey soils red earth and ordinary gravel and hard gravelly soils, soft-distigrated rock etc. including lead and lifts all insidental and operational charges etc. and deposing the same on bank with an intial lead of 10 mtr excluding dewatering etc complete as directed by the HMWSSB Engineers (1X 4.15 X 2.50 X 1.50= 15.56cum)	
63	Coushed Rubble stone Masonary 2nd sort CM 91:6) pro : using hard granite stone includng cost and conveyance of all materilas to site labour charges curingall leads and lifts and other incidental an doperational charges etc. complete as directed by the HMWSSB Engineers ( 2 X 4.10 X 0.45 X 1.50= 5.53 Cum) + (2X1.60X0.45 x 1.50= 2.16 cum) Total = 7.69 Cum	
64	Raised Cement Pointing to coursed rubble stone masonry in CM (1:30 prop: including cost and conveyance of all materilas to site labour charges curingall leads and lifts and other incidental an doperational charges etc. complete as directed by the HMWSSB Engineers(2X4.10X1.35=11.07 Sq.mtrs) +(2X1.60X1.35=4.32 Sq.mtrs) Total= 15.39 Cum.	



Sl. No.	Description of item	Bidder quoted rate
65	Plain cement concrete (1:2:4) mix with 6mm and 20mm guage hard granite machine crushed metal including cost,and conveyance of all materilas to site.machine mixing of concrete , labour charges curingall leads and lifts from work laying in position, vibrating, compactig , curing , all labour charges , tools and plants, and all other incidental an doperational charges etc. complete as directed by the HMWSSB Engineers (2X4.0X0.45X0.15=0.55 Cum)(2X1.60X0.45X0.15=0.22 Cum)= .77 Cum	
66	Providing independent earthing for Important equipment wfth 100mm dia heavy guage C.I Cast iron pipe with glange 2.5 mm long enclosed in C.C brick / Brick Masnory chamber of 450mx450mx400m with RCC slab duly providing staggered holes filling with salt and	
67	Providing high yeild strength deformed (HYSD THERMO mechanically treated (TMT) mild steel (MS) steel bars (Fe415 Fe 500 grade as per IS (1786-1979) of different dia meters RCC works etc complete as directed by the HMWSSB Engineers	
68	Welding work for 2" GI pipe to reservoir railing for fixing of streat light fittings including the cost of material, transport etc. complete as directed by the departmental officers.	
69	Labour charges for fixing of newly supplied street light fixing to pole and giving connecting and testing etc. complete as directed by the Deaprtmental Officer.	
70	Digging and laying of 60 mt tubular type street light pole and providing of concrete cement etc. complete as directed by the Departmental Officer	
71	Labour charges for Fixing of street lights and connecting to cable to each pole and fixing of main control box and testing etc. complete as directed by Departmental Officer.	
72	Labour charges for stringing of cable and fixing of newly supplied panel box and taking trail run of tanker filling motor at Chilkalguda Reservoir including the cost of labour etc. complete as directed by the Departmental Officers.	
73	Dismantling the existing 25 sqmm 3.5 core UG Armoured cable from TSSPDCL pole to pump house. Main switch side disconnecting the electrical connections and removing the bolts & Nuts testing both ends with the 1000 Volts insulation megger and found two Phases to body and Phase to phase confirmed damaged including labour charges etc., Complete	
74	Laying of above 35 sqmm 3.5 core XLPE PVC armoured alluminum cable from 20 HP pump house main controlling panel to TS Transco over head pole incoming power supply including excavation, laying in trench of U.G. cable on sand cushion covering the cable with bricks and back filling of trench duly providing route indicator embedded in C.C. including transportation to site of cable and End terminations to 35 sqmm 3½ core UG armoured of above cable with 3 Nos. 35 sqmm CUS crimping lugs and 1 No. 25 Sq. mm lug including crimping with crimping tool, taping giving connection and Technician labour charge complete cost and conveyance of all materials labour charge etc., complete as directed by the departmental officers.	
75	Dismantling the existing 35 Sq.mm 3.5 core UG Armoured cable from TSSPDCL pole to pump house. Main switch side disconnecting the electrical connections and removing the bolts & Nuts testing both ends with the 1000 Volts insulation megger and found two Phases to body and Phase to phase confirmed damaged including labour charges etc., Complete	
76	Laying of above 50 Sq.mm 3.5 core XLPE PVC armoured alluminum cable from 20 HP pump house main controlling panel to TS Transco over head pole incoming power supply including excavation, laying in trench of U.G. cable on sand cushion covering the cable with bricks and back filling of trench duly providing route indicator embedded in C.C. including transportation to site of cable and End terminations to 50 Sq. mm 3½ core UG armoured of above cable with 3 Nos. Sq.mm crimping lugs and 1 No. 25 Sq. mm lug including crimping with crimping tool, taping giving connection and Technician labour charge complete cost and conveyance of all materials labour charge etc., complete as directed by the departmental officers.	

Sl. No.	Description of item	Bidder quoted rate
77	Junction work for replacement of damaged MS bypass pipes with new pipes in the booster chamber, including fixing of sluice valve. rubber packing bolts and nuts site welding with 3 line arc welding making leak proof , including wages for welders, helpers, fitters etc., including hire charges for welding transformer machine , gas cutting equipment etc.,complete as directed by the departmental officers.	
78	Dismantling of old and completely damaged MS Chequered plate cover by engaging crane & labour. shifting to Asifnagar EAM Section by engaging truck including loading. Transportation and unloading complete	
79	Labour charges for fixing the MS specials at site including jointing and erection rubber packing bolts and nuts site welding with 3 line arc welding making leak proof , including wages for welders, helpers, fitters, hire charges for welding transformer machine, gas cutting equipment etc.,complete as directed by the departmental officers	
80	Minor repairs to 100HP pump set by dismantling shifting to work whop, metal filling to pump shaft, machining, reconditioning, refixing, testing and trail complete	
81	Wiring with 2 runs of 22/0.3mm (1.5Sqmm) FRLS/HFFR PVC insulated flexible copper cable (ISI Mark) in existing pipewith 6A Modular switch, Ceiling rose/BH/SBH Modular switches with cover plate and GI switch box including all labour charges etc., complete (for Non Residential Building) Makes of wires Finolex/RR kabel/Haveils/APAR  XL/KE/(HFFR)/L&T /HPL/ RPG /Anchor /GM /Million/Gold Medal/Power Flex/Sudhakar Makes of switches Legrand Arteor /Schmedar Zen celo/Honey well Blenge plus/Cabtree Amare/Logus Platina/ GM Zenova/L&T Englaze/Million mway/Goldmedal Curve/Anchor Roma Viola /Haveils Fabro/Panasonic vision/Hager insista C&S primo/ polycab Levana	
82	1200mmlength LED light housing made with aluminium anodised body, wideoperating voltage with PF20.9, Surge protection: > 2KV, THD<10%, with inbuiltdriver and frosted cover CCT: 3000K -6500K as desired by the department asper IS, minimum CRI280 etc., completewith 5 years 11 warranty with BIS Certification with BIS Certification. LUMINAIRE MAKE: Phillips OSRAM /GE / Venture /Wipro / Crompton/Bajaj// Havells / Jaquar / IB LED /Panasonic/ Halonix / HPL / Syska /Eveready / Surya / Keselec/ FIEM /Arraystorm / GM / GoldmedalLED MAKE : PHILIPS LUMILEDS/ CREE /NICHIA /OSRAM / SAMSUNG/ LG LEDs.	
83	Fixing of ceiling fan and regulator and giving connections with twin core wireetc., complete	
84	Labour charges for Removing of old burnt out wires and other electrical items and fixing new wires and other electrical itemsas directed by the departmental officers	
85	Removing power bore well pump set of 1 to 3 HP HDPE Pipe, after repairing the pump set or new pump set including labour charges	
86	Re-fixing power bore well 1 to 3 HP HDPE Pipe Bore well pump set after winding of the motor or new pump set including labour charges	
87	Removal of V4 5HP submersible power borewell with the removing of nuts, bolts of the top cover of the booster shell and remove the inline booster pumpset with the removing of pipeline flange nuts and bolts of the pumset and remove the pumpset with required tools, chainpulley,tripad and labour charges including hire charges of gas cutter etc complete.	
88	Fixing of new V4 5HP Submersible pumpset at with new nuts and bolts along with rubber packing and with required tools chainnulley trinad and labour charges etc complete	
89	Removal of V6 5HP submersible power borewell with the removing of nuts, bolts of the top cover of the booster shell and remove the inline booster pumpset with the removing of pipeline flange nuts and bolts of the pumset and remove the pumpset with required tools, chainpulley,tripad and labour charges including hire charges of gas cutter etc complete.	
90	Removing of old 7.5HP pump from inline booster shell duly removing nuts and bolts with top cover without damaging the power cable including the charges of engaging labour, hire charges of gas cutter, tripod chain pulley including transportation charges etc.,Complete as per instructions of HMWSSB officers.	

Sl. No.	Description of item	Bidder quoted rate
91	Refixing of new 7.5HP pump set duly fixing with new nuts, bolts of the top cover with rubber packing including charges of engaging labour, hire charges of gas cutter, tripod chain pulley including charges connecting the cable from panel board to pumpset without damaging cable etc., Complete as per instructions of HMWSSB officers.	
92	Removal of 10 HP inline booster from the booster chamber with the removing of nuts, bolts of the top cover of the booster shell and remove the inline booster pumpset with the removing of pipeline flange nuts and bolts of the pumpset and remove the pumpset with required tools, chainpulley, tripod and labour charges including hire charges of gas cutter etc complete.	
93	Fixing of 10 HP inline booster in the booster chamber with the refixing of nuts, of the top cover of the booster shell and to fix the 10 inline booster pumpset with the fixing of pipeline flange with new nuts and bolts along with rubber packing and with required tools chainpulley tripod and labour charges etc complete	
94	Repairing to damaged civil plinth and flat form of static tank. CC bedding. plastering. Sewerage connection etc as per site condition.	
95	Filteration of 500 KVA transformer at transformer yard including cost & conveyance of all materials labour charges for loading and unloading etc complete as directed by the dept officers (Rates as per Quotations)	
96	Cleaning of Transformer yard / Vegetation removal at 11 KV /433 V transformer at Transformer yard at Aliabad and Balapur (Rates as per Quotations)	
97	Removing of wet silt and sludge drains storm water drain with the aid of baskets and vessels etc with initial lift of 3m and lead of 50m (Rate as per PH (Part IV) SOR 2022-23, Sl.No, 40 Page.No. 382 of 467) labour charges	
98	Dewatering from the booster chamber with using 5HP oil engine driven pump set and wages of operator and helper etc complete	
99	plastering with CM (1:4), 12mm thick - single coat durbara sponge finish including cost and conveyance of all materials and labour charges, all operational incidental such as scaffolding charges, lift charges including cutting of grooves, finishing, curing over head & contractor profit, but excluding seigniorage charges and taxews like GST, etc. Complete for finished item of work (APSS901 & 904) fro the even surface/internal walls internal & external for booster chamber	
100	White washing one coat with whitening of approved quality to an even shade including cost of material and labour charges	
101	Making spot welding for the chamber of 150mm dia inline booster with the help of electric welding rectifier, welders, helpers, skilled and unskilled labour charges etc. complete	
102	Brick masonry 2nd class ground moulded or traditional size 23X11X7 cm in cement mortar 1:6 prop including cost and conveyance of all materials like cement, sand, bricks, water etc. to site cost of seigniorage charges on all materials, including all labour charges like mixing cement mortar scaffolding charges, lift charges, curing charges etc. complete for finished item of work for raising the booster chamber.	
103	Plain Cement Concrete nominal mix (1:2:4) prop (cement: fine aggregate: Coarse aggregate) 40mm size hard, machine crushed granite from approved quarry including cost and conveyance of all materials like cement, sand, Coarse aggregate, water etc. to site, including sales & other taxes on all materials and including all charges for machine mixing, laying concrete in foundations and under flooring bed, ramming in 15 cm layers finishing top surface to the required level curing etc. complete for finished item of work for foundation and under flooring bed	
104	Carting of surplus earth to a lead of 8km from the place of work including labour charges for loading and unloading and including transportation charges etc. complete	
105	Dismantling and refixing of 300mm dia DI Sluice valve cutting and removing the rusted and worn out parts and all nuts, bolts and valve half body and shutter packing rubber in place of damaged valve, has cutting, and refixing with new spare parts using tripod chain pulley block, skilled workmen, including transportation charges incidental and operational charges and labour charges, etc complete. as directed by the departmental officers. 300mm dia DI Sluice valve	
106	Fabricating of M24x150mm length studs with double hex nuts along with washers as per requisite measurement to suit the 300mm dia DI Sluice valve unit including cost of material, cost and conveyance charges etc. complete.	

Sl. No.	Description of item	Bidder quoted rate
107	Fabricating of rubber insertion of 6mm thick neoprene made as per requisite measurement to suit the 300mm dia DI Sluice valve in between bow nut body-bottom body and stuffing box bearing spacer including cost of material cost and conveyance charges etc. complete.	
108	Re-threading existing spindle rod of 300mm dia DI Sluice valve stainless steel spindle screw stem rod and making new checknut made of gun metal as per valve specification duly on special design lathe machine stem rod of size and making chuck nut patter, molding, casting etc. ncluding cost of pattern making molding charges machining charges milling turning, step turning, external threading boring, internal threading of 2TPI on the lathe machine to suit the old stainless steel spindle screw rod cost and conveyance charges 300mm dia DI Sluice valve	
109	Repairing of 300mm dia DI sluice valve shutter checknut seating groove totally damaged re welding with CI metal spraying in original shape, painting smooth finishing etc. complete. 300mm dia DI Sluice valve	
110	Repairing of half body damaged 300mm dia sluice valve Spindle rod Collar seat Providing unit with Teflon washer and all other incidental and operation charges etc. completing directed by the departmental officers.300mm dia DI Sluice valve	
111	Dismantling and Refixing to the 75HP pump set removing the rotating unit and shifting to the work shop worn out portion with the help of gas cutting by the skilled workers at site including to and for transportation loading and unloading and labour charges as directed by the departmental officers.	
112	Fabricating and fixing of 75HP pump Flexible Coupling set moulding, machining threading, drilling and milling including cost and conveyance of material, transportation charges, all incidental and operational and labour charges as directed by the departmental officers	
113	Labour charges for fixing of 30HP pump set, MS specials. valves, NRVsworks at site including laying jointing to main pipeline rubber packing bolts and nuts site welding with 3 line are welding making leak proof, including wages for welders, helpers, fitters, hire charges for welding transformer machine, gaS cutting equipment etc.,complete as directed by the departmental officers etc.,complete	
114	Dismantling and removing of an existing 75 HP horizontal split case pump set Base Frame and Cement concrete Bed at MLA Quarters Pump rOom from the existing bed after de-screw the bolts nuts and power cable connections and suction / delivery pipe lines i.e., Sump to pump Suction End and Delivery End to MS Mainfold and removing of existing rusted holes Man fold ,valves, NRV's,tappers etc. including labour charges etc. complete. as directed by the departmental officers	
115	Laying of foundation for base frame with cement concrete in (1.2:4) proportion with 20 mm hard granit metal. including cost and conveyance of material and, labour charges etc., complete ( L=2.5 B=1.5 D=1) Mts = cum complete as directed by thedepartmental officers	
116	Providing Labour charges for welding to MS chanel the joints with necessary works at site including laying jointing to main pipeline rubber packing bolts and nuts site welding with 3 line are welding making leak proof, including wages for welders, helpers, fitters, hire charges for welding transformer machine, gas cutting equipment etc.,complete as directed by the departmental officersetc., complete	
117	Erection, commisSloning, testing and trial run of 75 HP horizontal split case pump set including Fixing and alignment of MS delivery pipe beach to 75HP pumpsets giving cable conations with required as per site condition with rubber packing sheet bolts, nuts and washers wherever necessary cost of materials and labour charges etc., complete at as directed by the departmental officers	

Sl. No.	Description of item	Bidder quoted rate
118	Removing the burnout V4 / 5 HP up to 40stage submersible pumpset and 3 core flat cables without damaging any accessories with Chain pulley necessary tools along with removing the HDPE pipes and sending pumpset to workshop, Dismantling the rotor from the burnout PVC copper wire from the stator cleaning the stator slots providing insulation PVC paper, rewinding with new PVC copper wire suitable gauge changing motor bushes, giving connections taping and assembling the pumpset, Repairs to pump such as replacing the wornout impellers bushes, shaft, sleeves including turning, polishing etc., changing the thrust bearing of pumpset Refixing the rewinded V4/ 5 HP submersible pumpset along with 3 core cable without damaging any accessories with HDPE Pipes and cables including testing and trial run on full load as directed by the Dept.officers, including materials of PVC copper wire insulating material pump bushes machining charges, labour charges, chain pulley hire charges etc complete after deducting the old material as per the instructions of dept officers.	
119	Removing the burnout V6/ 7.5 HP 20stage submersible pumpset and 3 core flat cables without damaging any accessories with Chain pulley, necessary tools along with removing the GI pipes and sending pumpset to workshop, Dismantling the rotor from the burnout PVC copper wre from the stator cleaning the stator slots prOviding insulation PVC paper, rewinding with new PVC Copper wire suitable gauge changing motor bushes, giving connections taping and assembling the pumpset, Repairs to pump such as replacing the wornout impellers bushes. shaft, sleeves including turning, polishing etc., changing the thrust bearing of pumpset Refixing the rewinded V6/ 7.5 HP submersible pumpset along with 3 core cable without damaging any accessories with GI Pipes and cables including testing and trial run on full load as directed by the Dept.officers, including materials of PVC copper wire insulating material pump bushes machining charges, labour charges, chain pulley hire charges etc complete after deducting the old material as per the instructions of dept officers.	
120	Removing burnt-out 3 phase 415 volts 5 HP submersible pump sets V4 type and depth up to 750" along with, 2" dia HDPE pipe and cable without damaging cable and any other accessories with necessary chain pulley and tripod. and labor charges etc.. complete as direclcd by the dept.	
121	Repairs to pump such as replacing the worn out impellers, bushes sleeves and other pump spares including urning polishing and assembling the pump after deducting the cost of old materials etc.as directed by the dept oficers.	
122	Refixing of rewinded and repaired 3 phase 415 volts 5 HP submersible pump sets, V4 type and depth up to 750" along with 2 dia HDPE pipe drop down of borewell without damaging cable and any other accessories with necessary chain pulley and tripod. and labor charges etc.  lesting and trail run, complete as directed by the dept officers.	
123	Dismantling and removing of an existing 50 HP horizontal split case pump set.Base Frame and Cement concrete Bed at LIC Pump room from the exl sting bed after descreev the bolts, nuts and power cabl e conn ections and suction/de live ry pipe lines ie. Sump to pump Suction End and Delivery End to MS Mainfold and removing of existing rusted holes Man fold ,valv es, NRV's, tappers, control panel bo ard etc. and reconstruction of damaged wall, painting and lifting debris, Including hire charges of compressor and labor etc,, Including transportlon from site to store room, Including loading, unloading and labour charges etc . complete as directed by the departmenatl officers	
124	Laying of foundation for base frame with cement concrete In (1:2:4) proportion wi th 20 mm hard granit metal by providing MS bars and foundation bolts as per requirement including cost and conveyance of material and , labour charges etc,, complete (L= 2.5 B=1 ,5 0=1) Mts =3.75 cum . complete as directed by the departmental officers	
125	Providing Suitable MS base frame in 200 x 150 x 10 mm MS channel for mounting both pump and motor duly assembling with proper alignment and fixing with a length of 2' X 1 ¼ dia 8 no's Bed Bolts , Nuts and washers with necessary fasteners including cost, conveyance and all materials and incidental, operational charges transits risk upto destination etc., complete as directed by the departmental officers.	
126	Providing end terminations to the 16 Sq.mm copper crimping lugs duly wrapping with insulation tapes	

Sl. No.	Description of item	Bidder quoted rate
127	Lowering of 30HP Open well submersible pump set fixing of delivery pipelines, Gate valve & Non-Return valves by welding specials and flanges to pipeline with three line arc welding Incl. cost of rubber packing, bolts, nuts & washers, hire charges welding transformer, gas cutter and chain pulley& tripod	
128	Removing of old 7.5 HP pump from inline booster shell duly removing of nuts, bolts and with top cover without damaging the power cable including the charges of engaging labour, hire charges of gas cutter tripod chain pully including transportation charges etc complete as per instructions of HMWSSB officers	
129	Refixing of new 7.5HP pumpset duly fixing with new nuts and bolts with top cover with rubber packing including charges of engaging labour, tripod chain pully including charges of connecting the cable from panel board to pumpset without damaging of cable etc complete as per instructions of HMWSSB officers	
130	Removing and Refixing the existing 15HP open well submersible pumpset from Balapur Reservoir by descrewing the nuts and bolts and 3 core flat cables without damaging any accessories with necessary chain pulley and tripod, labour charges etc., complete as directed by the departmental officers	
131	Cutting of CC road surface including labour charges, all leads and other incidental and operational charges tool and plants stacking etc complete for pipe line trenches directed by the HMWS&SB Engineers.	
132	Providing high yeild strength deformed (HYSD Thermo mechanically treated (TMT) mild steel bars (Fe415) Fe500 grade as per IS (1766-1979) of diameter for RCC works including labour charges for streightening cutting benching to required sizes and shapes placing in position with cover blocks of approved materials and size and tying lap splicing with binding wire of 18 SWG forming grills for reinforcement work as per aproved design and drawing including cost and conveyance of steel bard including all wastages such as overlaps couplings chairs spacer bars including Cost and conveyance of binding wire cover blocks and all incedental operational labour charges such as curing bending placing in position typing including sales etc complete (90Kgs per Cum RCC)	
133	Routine maintenance of transformer in operation covering insulation resistance oil, break down strength. Reconditioning /replacement of silicazel, cleaning of transformer and topping upto oil level if required (extra cost will be paid for oil).	
134	Testing of Transformer oil for dielectric breakdown strength and Testing of Insulation Resistance H.T./LT copper / Aluminium coils for transformers	
135	Filtration of transformer oil at site as per ISS specifications filers to having dielectric strength of 50 KV/Min as per IS 335 1975 and oil filtration etc complete including cost and conveyance etc complete as directed by the dept officers.	
136	Replacement of unserviceable LT and HT gasket of bushing HT etc complete including cost and conveyance etc complete as directed by the dept officers.	
137	Removing of unwanted debris. Grass and bushes duly cutting the grass. bushes and removing with their own 1dd GST 18% implements and stacking at a convenient place of 11kv/440v CTPT substation side etc. By engaging private labour and vehicle etc. including labour charges etc. complete as directed by the deparmental officers	
138	Providing Electrician for removing of connections etc including incidental and operational charges etc complete as directed by departmental officer	
139	Dismantling the existing 100 HP horizontal split case pumpset including decoupling the motor removing bolts and nuts liting ie top cover and removing the wornout and damaged old rotating element from existing pump without damaging body labour charges etc complete as directed by the departmental officers.	
140	Reassenblng the existing 100 HP horizontal split case pumpset with cutting new champion paper as packing paper as per sample aligning the set of new rotating element impeller shaft bearing housings etc fixing the top cover with bolts and nuts labour charges etc. complete as directed by the departmental officers.	
141	Removal of V4 5HP submersible power borewell with the removing of nuts, bolts of the top cover of the booster shell and remove the inline booster pumpset with the removing of pipeline flange nuts and bolts of the pumset and remove the pumpset with required tools, chainpulley, tripod and labour charges including hire charges of gas cutter etc complete.	

Sl. No.	Description of item	Bidder quoted rate
142	Fixing of new V4 5HP Submersible pumpset at with new nuts and bolts along with rubber packing and with required tools chainnullely trinad and labour charges etc complete	
143	Construction of 10HP mono block pump set chamber of 4'-0" x 3'-6" x 0-9" brick masinory and Manufacturing 6mm thickness sheet with angulars MS base frame and door making cutting, moulding, welding with arc welding, with drilling of holes motor base suitable in stone rock with stone drilling machince with suitable 4 special tools and technical workers drilling for 10HP mono block pump set with skilled workers and electrical technicians including transportation of drilling machinery, mens and special tools and transit risk up to destination with all other incidental and operation charges etc., complete as directed by the departmental officer.	
144	Removing of 5 HP/415 volts, V6 submersible pump et from 6 1/2" dia bore well along with 2 dia pipes total approx length of 400 feets without damaging of pipe 2.5 sq.mm flat cable and pump set with necessary mobile machinery vehicle, transportation and Bore mechanic, helpers and vehicle driver charges etc., of Electrical Datas 2022-23 for power bore wells etc complete. as directed by the department Engineers	
145	Errection of new 5 HP/415volts, V-4 submersible pump set in 6 1/2" bore well with 2" dia pipes of 400 feets approx length and 2.5 Sq.mm flat cable cable and pump set fixing with necessary mobile machinery vehicle, transportation and Bore mechanic helpers and vehicle driver charges etc., for power bore wells etc complete. as directed by the department Engineers	
146	Removal of struck up submersible pump set from 6 "dia (approx 500 depth) power bore well along with special tools and wire ropes, chaine pully block etc., at average pressure of up to available depth maximum limit of to available depth as directed by departmental officers. Removal of 2 HP / V4 Submersible pump, motor, cable, HDPE pipe, irrespective of bore well depth and condition of the 6 2" dia power bore wells. The following rates are inclusive of making suitable tools, lifting procedure, labour and transportation, irrespective of depth and condition of that particular bore well removed along with the HDPE pipe and cable, but motor is fall down at:H.No. 17-8-767/768, Abdar Khana Greveyard, Chanchalguda	
147	Errection of new 2 HP, V-4 submersible pump set in 6 1/2" bore well with 1 1/4" HDPE pipe of 500 feets approx length and 2.5 Sq.mm flat cable cable and pump set fixing with necessary mobile machinery vehicle, transportation and Bore mechanic, helpers and vehicle driver charges etc., for power bore wells etc complete. as directed by the department Engineers	
148	Removing 5 HP 40 Submersible pump set along with 700" at 2'HDPE pipe 3 core flat cables without damaging any accessories with and labour charges etc., complete as directed by dept. officers	
149	Re-fixing the re-winded 5 HP pump set V4 type along with 700 at HDPE. Pipe and 3 core flat cable without damaging any accessories etc., complete as directed by the deptl. Officers	
150	Assebling of 5HP to 10 HP newrepaired bore well pump set as per old sample, fixing in the bore well along with all pipes and cable, cable connections testrng and trail run..	
151	Removing burnt-out 10 HP submersible pump set type along with up to 750' at 2" GI pipe without damaging any accessories with necessary chain pulley and tripod, and labor charges etc., complete as directed by the dept. officers.	
152	Dismantling the rotor from the burnout PVC copper wire from the stator cleaning the stator slots pioviding insulation PVC paper, rewinding with new PVC copper wire suitable gauge changing motor bushes, giving connections taping and assembling with painting including cost and conveyance of all materials after decoction of old materials including labor charges etc, complete as directed by the dept. officers	
153	Repairs to pump set such replacing the worn out new impellors bushes, sleeves including turning & polishing etc., complete cost and conveyance and labor charges after deducting cost of old materials etc., complete as directed by the dept. Officer	
154	Re-fixing the re-winded 10 HP GI pipes pump set type along with up to 750'at 2" dia 3 core flat cable without damaging any accessories etc., complete	

Sl. No.	Description of item	Bidder quoted rate
155	Removing burnt-out 10 HP pump set V6 type along with 750' at 2" HDPE pipe without damaging any accessories with necessary chain pulley and tripod, and labor charges etc., complete as directed by the depL officers.and Refixing the re-winded 10 stages pump set V6, type along wit 750' at 2" dia HDPE pipe and 3 core flat cable without damaging any accessories etc., complete	
156	removing 40-50mm GI pipes3/5/7.5 HP bore well submersible pumpset	
157	removing 40-50mm HDPE pipes 3/5/7.5 HP bore well submersible pumpset	
158	re-assembling of the 3/5/7.5 HP bore well pump set	
159	re-assembling of the 10 HP submersible bore well pump set	
160	Transporttion charges of pumpset & pump removing vehicle	
161	Remove,shifting, commisioning, testing and trail run of 1No's 26KW/35HP sewerage pumpset with to discharge of 400M3/HR(111LPS)	
162	Earth work excavation in loamy and clayey soils, 250mm dia DI pipe line	
163	construction of 3 independent earthing as per IE rules with 1 1/2" dia GI pipeand copper plate	
164	removing and refixing of 400mm dia DI sluice valve	
165	dismantling and removing of nuts and bolts of pumps by engage crane to 220 HP pump	
166	engaging painter for painting 220HP pump with enamel 2 cots	
167	engaging technician for repair and reconditioning of 220 HP pump	
168	Dismantling of existing 215 HP horizontal split case pumpset	
169	reconditioning the bearing housing	
170	reassembling the existing 215 HP horizontal split case pumpset	
171	Removal of 7.5HP v6 submersible pump set with 6 1/2" dia bore along 2" GI Pipe (400 FEET) without damaging pipes, couplings, 2.5 sq.mm flat cable motor pump set without damaging with necessary chain pulley, tripod with required skilled labour etc., complete.	
172	Rewinding of 7.5Hp submersible pump set motor by dismantling the burnt-out stator from motor unit, removing the burnt-out winding wire including cleaning the stator slots, re-winding the new PVC coated copper wire, replacement of gun metal motor bushes 4 Nos. changing, insulation sleeves. cost of materials and labour charges	
173	Re-erection of 7.5Hp v6 submersible pump set with 6 1/2" dia bore along with 2" GI Pipe (400 FEET) without damaging pipes, couplings, 2.5 sq.mm flat cable motor pump set without damaging with necessary chain pulley, tripod with required skilled labour etc., transportation and including all the taxes., Complete.	
174	Dismantling of existing 40 HP HSC pump sets, de-couple the motor & pump by removing pulley bolts and nuts, open the top cover frame of pump by de-screw the bolts and nuts etc., shifting to work shop including labor and transport charges etc.	
175	Removing of pump shaft removing of impeller brazing, machining, lathe machine work etc., including labour charges etc., complete.	
176	Reassembling the existing 40 HP Horizontal split case pump set using new bushes neck rings bearing and servicing, new champion packing gasket etc. fixing the top cover with bolts and nuts including labor and transportation charge etc., as directed by departmental officials	
177	Removing of 40/50mm dia HDPE pipes and 5 HP 40 stage and 5 hp 20 stage bore well submersible pump set from bore well, by engaging mobile bore puling vehicle and labour.	
178	Re-xfing of the 5 HP 40 stage and 5 hp 20 stage bore well pump set as per old sample, re-fixing in the bore well along with all pipes and cable, cable connections testing and trail run..	
179	Removing of 30 HP submersible pump set from sump and dismantling of pump set cleaning all parts like shaft rotar, core, bearing house etc	
180	Decoupling of motor and pump, disconnection of power cables, removing of 40 HP motors from pump base, dismantling of motors and cleaning all parts like startor, winding coils, shaft, rotar etc.,	
181	reconditioning of 40HP induction motor by using electric dryers, re insulation of startor with "F" class insulation material	
182	charges for reassembling 40HP motor, lowering and refixing on pump base frame, alignment of pump and motor by using 3 nos dial guages and clamps	
183	Dismantling of 40HP HSC pump sets by de skrewing the bolts and nuts open the top cover of pump	



Sl. No.	Description of item	Bidder quoted rate
184	Reassembling the 40 HP Horizontal split case pump set using new champion packing gasket	
185	charges for fixing dewatering pump set flexible pipe line and its accessories, DOL starter, cables testing and trail run	
186	Removing 75HP induction motor at Narayanguda pump house with the removing of nut bolts of the base frame terminal	
187	removing the base side cover 75HP induction motor dismantling the rotor from the stator, removing burnt out copper wire from stator etc.,	
188	refixing of the 75HP motor after completion of winding job	
189	removing nuts bolts cable connection etc., and lifting of the sludge motor from sludge pit by using the crane including cost of hiring of crane	
190	Fabrication of pipe extension required size including the cost of gas cutter, welding mesh electrodes etc. including the cost of welder etc.	
191	Re-erection of Motor in the sludge pit and connecting to delivery pipe by using the crane labour etc.	
192	connecting the cable to motor stater taking trail run etc.,	
193	fixing of stater box to pipe 2Nos of pipe including digging of pit, connect etc.,	
194	removing of 50HP induction motor at LIC pump house with the removing of nuts bolts base frame terminal cover and removing of terminal plate bolts and cable etc., removing of coupling nuts and bolts with required tools, chain pulley, tripod rope etc., without damaging motor and pump	
195	Dismantling the split case pump set after removing the nuts and bolts and lifting the shaft with rotating element and fixing the top cover by using chain pulley and tripod	
196	machining, blazing and finishing of newly moulded sleeves etc., including the cost of labour	
197	machining, blazing and finishing and threading of newly moulded lock nuts including the cost of labour	
198	blazing, cutting machining finishing on both sides of shaft in place of worn out bearing house, cost of material machining and labour etc.,	
199	refixing of rotating element with shaft inside the pump body and fixing the top cover including nuts and bolts, packing sheet etc.,	
200	Dismantling the burnout 40 HP squirrel cage induction motor from pump after decoupling pulley bolts and cable connections	
201	Re erection of 40 HP motor of pump room on base plate coupling with the pump giving electrical connection conveyance and labour charges etc,	
202	Dismantling centrifugal pump set after removing nuts and bolts lifting the top cover and lifting the rotating element with help of chain pulley coupling and refixing the top cover	
203	Making of welding moulding and balancing of wornout C.I impeller in place of pot holes and rusted area including material moulding turning finishing charges complete without any any damaged of existing C.I impeller at mekalmandi pump house including cost conveyance transport charges of all materials	
204	reassembling the 90HP centrifugal pump set new bushes neck ring bearings with cutting new champion papers as per packing paper as per sample aligning the set of impeller shaft bearing housing etc., fixing top cover with bolts nuts including cost of materials and labour charges	
205	Dismantling the burnout 100 HP squirrel cage induction motor from pump after decoupling pulley bolts and cable connections	
206	Re erection of 100 HP motor of pump room on base plate coupling with the pump giving electrical connection conveyance and labour charges etc,	
207	placing rotor on the balancing machine with crane and checking the rotor balance on both sides and placing weights wherever necessary to make the axis of the rotor shaft parallel to the horizontal axis including dynamic balancing hire charges, material loading and unloading transportation after deducting the cost old materials, labour charges	
208	removing the bearing NDE & DE both side bearing and end shelled covers separate the rotor and stator carefully without damaging the stator with 3 ton chain pulley of 150 HP squirrel cage induction motor after bearing changing rotor dynamic balancing fixing the bearing cover fixing the fan and end covers taking out leads including giving terminal block connections including chain pulley hire charges and labour charges	
209	Re erection of 150 HP motor of pump room on base plate coupling with the pump giving electrical connection conveyance and labour charges etc,	

Sl. No.	Description of item	Bidder quoted rate
210	Making of welding moulding and balancing of wornout C.I impeller in place of pot holes and rusted area including material moulding turning finishing charges complete without any any damaged of existing C.I impeller at mekalmadi pump house including cost conveyance transport charges of all materials	
211	reassembling the 90HP centrifugal pumpset new bushes neck ring bearings with cutting new champion papers as per packing paper as per sample aligning the set of impeller shaft bearing housing etc., fixing top cover with bolts nuts including cost of materials and labour charges	
212	Charges for dismantling of the transformer and untanking the transformer and core coil assembly removing as directed by the departmental officers	
213	Charges for the dismantling of core coil assembly and reassembling of core coil windings of the 33/6.6KV, 2.5 MVA power transformer as directed by the departmental officers	
214	Charges for providing additional insulation to the HV and LV coils assembly winding where ever required as directed by the departmental officials	
215	charges for drying of the core coil assembly of the 33/6.6KV, 2.5 MVA power transformer in the drying oven till we achieve the insulation values of core coil assembly as directed by the departmental officers )	
216	Filteration of transformer oil as per ISS Specifications filters to die electric strength above 60 KV At Site including the oil machinery equipment, and accessories, transportation of equipment testing of oil, winding resistance, complete as directed by the departmental officers	
217	Charges for dismantling of the transformer and untanking the transformer from the tank and dismantling the core etc complete as directed by the departmental officer	
218	Draning of the transformer oil from the transformer 33/11kv power transformer into the empty drums by using suitable machine including cost of labour material transportation, of machine etc.,as directed by the departmental officers	
219	Charges for the repairing and rectification of the 33/11kv, 3.15 MVA power transformer including preparation of the windings HV(3nos) and (3nos)coils, assembling of the core coil assembly of the transformer as directed by the departmental officers	
220	charges for drying of the core coil assembly of the power transformer 3.15 MVA 33/11kv in the drying oven till we achieve the insulation values of core coil assembly as directed by the departmental officers	
221	Charges for Direct/indirect material like Brazing rods, creep paper roll, Copper lugs gaskets, oll seals, paint etc during the rectification work including the cost of labor, material as directed by the departmental officers	
222	Charges for supplying of the EC grade copper double paper covering for hand windings (and retaining the old copper with us) as directed by the departmental officers charges for providing of the insulating press board at core between co bamer board as directed by the departmental officers	
223	Charges for providing of the insulating press board at core between as barrier board as directed by the departmental officers	
224	charges for over hauling of the 33kv oltc in all respects and also replacement of the damaged parts as directed by the departmental officers	
225	Supply of oil as per 15-335 as per name plate quantity 2800+280=3000 Liters (Approx. 10% of total QTV) required for topping up Cleaning and Hot oil Washing of Core coil assembly etc. complete (by retaining the old transformer oil with us) as directed Jobs by the departmental officer	
226	Unloading of Transformer on the plinth missioning Including, Providing Machinery and labour as directed by the Departmental officers	
227	Removing to power bore wells 7.5/10 HP GI Pipe Bore well pump set Including labor chares	
228	Refixing power bore wells 7.5 HP GI Pipe Bore well pump set after winding of the motor Re fixing labour charges	
229	Removing power bore wells burnout motor labour charges 7.5/10 removing HP HDPE Pipe Bore well pump set removing	
230	Refixing power bore wells 7.5 /10 HP HDPE Pipe Bore well pump set after winding of the motor Re-fixing labour charges	

Sl. No.	Description of item	Bidder quoted rate
231	Rewinding of Submersible pumps motor up to and including up to 7.5 /12.5 HP, 3 Phase up to 1400 RPM of all types and makes with copper wire including minor repairs, lubrication of ball bearings, bush bearings and replacing condenser, screws etc testing of motor for original speed.	
232	Removing to power bore wells 12.5 HP GI Pipe Bore well pump set Including labor chares	
233	Refixing power bore wells 12.5 HP HDPE Pipe Bore well pump set after winding of the motor Re-fixing labour charges	
234	Removing of 15 HP submersible pump set from reservoir/booster chamber, shifting to work shop, dismantling. removing the burnout pvc insulated copper wire from stator, cleaning the stator slots, removing of motor and pump bush	
235	Re-winding of 15 HP submersible motor with PVC insulated coper wire and F class insulation paper, testing insulation resistan values including cost of materials after deducting the cost of old materials.	
236	Charges for re-assebling of the 15HP open well submersible motor as per old sample and shifting to site re-fixing in the reservoir, re-termination of power cable, trail run as directed by the departmental officials.	
237	De-coupling of motor & pump, removing of 25 HP motor from pump base, dismantling and shifting motor to work shop, removing of old winding, removing of motor bearings cleaning all the parts including the cost of labour.	
238	Charges for re-winding of 25 HP motor by using enameled coper wire and "F" class insulation papers and supporting material, dressing of the coper coils, applying enamel varnish and Dr. Beck chemical compound and drying of the winding by using electric dryer, testing of IR values the cost calculated after deducting the cost of old coper complete	
239	Charges for re-assebling of the 25HP motor as per old sample, shifting the motor from workshop to Pump house re-fixing on pump base, re-termination of power cables, alignment of pump and motor, testing and trail run complete as directed by the departmental officials.	
240	Removing of 7.5 HP submersible pump set from reservoir, shifting to work shop, dismantling, removing the burnout pvc insulated copper wire from stator, cleaning the stator slots, removing of motor and pump bush bearings etc.	
241	Re-winding of 7.5 HP submersible motor with PVC insulated coper wire and F class insulation paper, testing insulation resistan values including cost of materials after deducting the cost of old materials.	
242	Charges for re-assebling of the 7.SHP open well submersible motor as per old sample and shifting to site re-fixing in the reservoir, retermination of power cable, trail run as directed by the departmental officials.	
243	Charges for replacement of existing 63A old contactor with new contactor in 50HP star-delta motor starter no.3 including the cost of labour, as directed by the departmental officials	
244	De-screwing, dismantling of old damaged coupling pulley sets from 40HP pump fixing of new coupling pulley sets to the above pump set nos.3&4 including the cost of labour charges as directed by the departmental officials.	
245	Charges for replacement of existing 63A old contactor with new contactor in 40HP star-delta motor starter no. including the cost of labour, as directed by the departmental officials	
246	Boring and machining of the above coupling pulley sets on leath machine key way cutting including the cost of labour charges as directed by the departmental officials	
247	Dismantling of 40 HP HSC pump no.l de-couple open the top cover of pump by de-skrew the bolts and nuts etc. shifting the rotating assembly to work shop including labour and transport charges etc.	
248	Shifting of pump rotating assembly to pump house, re-fixing 40 HP HSC pump testing andtrail run including labour and transportation charge etc., complete.	
249	Dismantling of 40 HP squirrel cage induction motor no.l removing of old and damaged bearings, cleaning all the parts fixing new bearings as per old sample, re-assembling of motor, fixing on pump base, alignment of pump and motor, reconnection of cables, testing and trail run including labour and transport charges etc.	
250	Labour charges for de-coupling of pump & motor, removing power cables, de-screwing and dismantling of 180HP motor, shifting to work shop including loading and unloading charges	

Sl. No.	Description of item	Bidder quoted rate
251	Labour charges for fixing the motor on the pump baseframe, Alignment of motar and pump, re-termination of power cables, testing and trail run including shifting charges of motor from work shop to site including loading and un loading charges	
252	Removing power bore wells burnout motor labour charges 3/5 HP HDPE Pipe Bore well pump set removing	
253	Refixing power bore wells 3/5 HP HDPE Pipe Bore well pump set after winding of the motor Re-fixing labour charges	
254	Removing power bore wells burnout motor labour charges 7.5/10 removing HP HDPE Pipe Bore well pump set removing	
255	Refixing power bore wells 7.5/ 10 GI Pipe Bore well pump set after winding of the motor Re-fixing labour charges	
256	Removing to power bore wells 7.5/10 HP GI Pipe Bore well pump set Including labor charges	
257	Labour charges for de-coupling of pump & motor removing power cables, de-screwing and dismantling of 100HP motor, shifting to work shop including enclosed loading and unloading charges.	
258	Labour charges for fixing the motor on the pump base frame, Alignment of motar and pump, re-termination of power cables, testing and trail run including shifting enclosed charges of motor from work shop to site including loading and un loading charges	
259	Bearing of approved make for electric motor single phase / 3 phase AC --7.5HP--- of all types.	
260	Earth work excavation including all soils for trench 45 x 0.30 x 0.70 = 9.45 cum	
261	Cable laying charges for 3.5 core 185 sq.mm LT armoured cable	
262	Labour charges for fixing and trail run of 40/50HP pump, shifting from work shop including loading and unloading charges.	
263	Labour charges for de-coupling of pump & motor, descrewing and dismantling of 40/50HP motor, shifting to work shop including loading and unloading charges	
264	Rewinding of Submersible pumps motor up to and including.. 7.5/15.....HP, 3 Phase up to 1400 RPM of all types and makes with copper wire including minor repairs, lubrication of ball bearings, bush bearings and replacing condencer, screws etc testing of motor for original speed. (Note: If it is in open well submersible rate shall be decreased by 40%= 1493.40 per HP)	
265	Removing of 5 HP submersible pump set from borewell 1.1/4" HDPE pipe and pump set, 2.5 Sqmm flat cable with necessary tripod and chain pulley block including cost of required material labour charges etc complete as directed by the board engineers	
266	Re-erection of 5 HP submersible pump set in bore well with 1 14" HDPE pipes and 2.5 Sqmm flat cable with necessary tripod and chain pulley block, without damaging pump set and cable etc	
267	Charges for replacement of 2nos.of existing MNX140A and 1 No of MNX 110A old contactors with new contactors in 100HP star-delta motor starter no.2, including the cost of labour, as directed by the departmental officials.	
268	Rectification of power cables and of controll wiring problems in 100HP star-delta motor stater no.2 by control cables, Suitable lugs etc., testing and trail run including the cost of labour, as directed by the departmental officials.	
269	Providing junction work by removing existing 10HP and replaced with new 1SHP including special chamber 3 phase welding labour and trail run complete as directed by the departmental officials	
270	Removing the existing transformer from the plinth / pole transformer of 500KVA including connection etc., complete as directed bydept officers	
271	Routine maintenance of transformer in operation covering 2 insulation resistance oil, break down strength.Reconditioning / replacement of silicazel, cleaning of transformer and topping upto oil level if required (extra cost will be paid for oil).	
272	Testing of Transformer oil for dielectric breakdown strength	
273	Testing of Insulation Resistance H.T. LT copper aluminium coils for Transformers	
274	Replacing old and unserviceable gasket of top cover plate of transformer etc labour charges as directed by the departmental officers.	

Sl. No.	Description of item	Bidder quoted rate
275	Oil Filtration to 500 KVA 11 KV/433 volts distribution transformer existing old with streamline oil filter connecting the inlet pipe to top and outlet pipe of oil filter to bottom of the transformer filtering the transformer oil till the IR values are obtained maintaining 600C temperature, reducing the density of oil improving dielectric strength and testing with oil kil confirming 50 KV/minute and topping up the transformer with new oil and old transformer oil through filtration plant, with test certificate labour charges transportation of oil filtration machine etc. complete	
276	Painting for 500KVA Transformer with coats Zinchromate red oxide duly scraping existing paint followed by 2 coats of hammerton grey paint etc.. complete including cost and conveyance etc complete as directed by the dept officers	
277	Loading and Unloading of 500KVA transformer from site to Workshop or vice versa	
278	Hiring Charges of Rotating hydraulic heavy duty 16 Ton capacity crane of boom length 100 ft long including incidental and operational charges etc complete as directed by departmental officer	
279	Hiring Charges of DCM Van for Transportation from dam to store for removed material including incidental and operational charges etc complete as directed by departmental officer	
280	Providing Electricians for giving connections etc complete as directed by departmental officer	
281	Labour charges for Removing of old burnt out wires and other electrical 1 items including cost and conveyance of all materials and labour charges etc., complete as directed by the departmental officers.	
282	Hire charges for engaging hydraulic excavator shovel 0.50 cum 75HP type for earth work excavation and refilling the pipe line trenches including wages for operator and helper and cost of fuel for machinery and transportation charges from field to work site and all other incidental and operational charges etc, complete	
283	Bailing out water from pipe line trenches with oil engine driven pump sets including hire charges fuel charges and wages for driver and helper etc complete as directed by the deptl officers.	
284	Attending heavy water leakages on existing mainfold MS pumping main of 150HP pump No.1 Low Level Pump House duly cutting and removing the damaged/ rusted old MS Pipe piece and providing new MS pipe pipe piece by laying lowering of MS pipe in to ready made trenches in position carefully true to alignment and gradient and fixing in perfect lining and welding with 3run arc welding by using ISO electrodes and engaging welders and fitters including cost & conveyance of all jointing materials such as lectrodes, hire charges for gass cutting equipment, welding transformers, including wages for welders, fitters and helpers, all incidental and operational charges duly taking all precautionary measures without damaging the existing system., etc, complete as directed by the deptl officers	
285	Hire charges for engaging 10.00t capacity lorry/truck for transportation of men and material to and for to work site including cost of fuel, driver, helper, all incidental and operational charges etc, complete as directed by the dept officers.	
286	Engaging Daily Labour for Earth work excavation cluding wages, all incidental and operational charges etc. complete as directed by the HMWSS.Board Engineers	
287	Dismantling the burnout 25 HP and 100HP squirrel cage induction motor from the pump after de-coupling pulley, bolts and cable connections including labour charges etc. complete including labour charges etc. complete	
288	De-serewing 25HP &100HP and opening driving end & non driving end covers fan blade duly removing worn out & damaged berings with help of bearing puller and separating the rotor from stator etc complete	
289	Re-erection and proper alignment of pump and motor tightening flexible coupling and motor and pump bolts and nuts testing and trial run of 25 HP motor 100HP motor giving electrical connection conveyance and labour charges etc. complete.	
290	Dismantling the 75HP Kirloskar make pump No-I set removing the rotating unit and shifting to the work shop worn out portion with the help of gas cutting by the skilled workers at site and labour charges as directed by the departmental officers	
291	Strengthening of 75HP pump shaft damaged portion metal spraying throwing in hydraulic press and machining grinding with original shape both sides, including with cost and conveyance of material, transportation charges, all incidental and operational and labour charges as directed by the departmental officers	

Sl. No.	Description of item	Bidder quoted rate
292	Refixing of 75HP Kirloskar Pump No-I shaft Bearings neck rings and sleeves assembling of the pump set by fixing the rotating unit with al necessary accessories pump body providing bolts and nuts, packing sheet, 8land rope fixing and commissioning and labour charges as directed by the departmental officers	
293	Providing repairs to burnot out 20 HP control panel duly replacing of RYB Lamps one set, Amps Meter, Volts meter, Preventer, MNX 32 Amps contactors 3 Nos, 5 KVA capacitor bank 2 Nos, suitable timer and internal wiring etc along with painting of panel board, complete testing and trail run of panel board in place of burnt out panel including cost and conveyance of all materials, labour charges etc., complete as directed by the departmental officers.	
294	Removing of 5 HP/35 Stage/V4 submersible pump sot from 6% dia bore well along with 1% dia HDPE pipe length 500 feet without damaging pipe, cable and pump set with using necessary tripod using chain pulley block cost of labour etc. complete (Old Motor is not repairable, it was deposited in Departmental store, Boats Club)	
295	Re-erection of 5 HP/35 Stage/V4 submersible pump set from 6 % dia bore well along with 2" dia HDPE pipe length 500 feet without damaging Pipe, cable and pump set with using necessary Tripod using chain pulley block cost of labour etc. complete	
296	Removing of nuts and bolts of 15 HP booster at Gulshan nagar opening the top cover and removing of motor from booster chamber etc., including cost of labour	
297	cutting and lifting booster chamber from with gas cutter and lifting booster chamber box with using crane including cost of gas cutter labour etc.	
298	reconnecting the 8" pipe linewith two meters of CI pipe, 2Nos of 8' flang welding , gas cutter etc. complete fabrication work etc including cost of welder electrods, gas cutter etc. as directed by the departmental office	
299	Hiring of crane for lifting of booster box frame pit and loading the box, motor etc in lorry as directed by the departmental officer	
300	Hiring of dewater pumpset at site	
301	Chamber pit filling with gravel including the cost of material, labour, transport etc. complete as directed by the Departmental Officer.	
302	Removing of 5 HP/35 Stage/V4 submersible pump sot from 6% dia bore well along with 1% dia HDPE pipe length 300 feet without damaging pipe, cable and pump set with using necessary tripod using chain pulley block cost of labour etc. complete	
303	Rewinding of 5 HP V4 Submersible pump set by dismantling of burnout stator from motor and removing burnt out winding wire including cleaning of stator slots. Re-winding with new PVC coated copper winding wire, changing motor bushes- 4-Nos and oil seals , insulation sleeves, Repairs of rotor by rotor polishing, machining cost of material labour charges after deducting cost of old materials etc.complete as directed by the dept.officer	
304	Repairing and replacing parts to 5HP 35 Stage pump set as changing the SS sleeves, bushes changing damaged impellers and bowls etc reassembling painting and testing on no load etc complete after deducting cost of old materials etc complete as directed by the dept. officer	
305	Removing of Struck up borewell with iron rope, chainpulley and other cquipment to lift the struckup pipe and Motor from the bore point including the cost of labuor, higher charges of equipments, transport etc. complete as directed by the Departmental Officer.	
306	Re-erection of 5 HP/35 Stage/V4 submersible pump set Lubi Make (Supplied by the department) in the 6 1/2 dia borewell along with 2 dia HDPE pipe length of 600 Feets without damaging pipe, cable and pumpset with using necessary tripod, chainpulley block, cost of labour etc. complete	
307	Re-erection of 5 HP/35 Stage/V4 submersible pump set from 6% dia bore well along with 2"dia HDPE pipe length 650 feet without damaging pipe, cable and pump set with using necessary Tripod using chain pulley block cost of labour etc. complete (New SHP/35 stage / V4 Motor was supplied by Department, and the old Motor was deposited at Departmental Store of Boats Club.)	
308	removing the not working street lights and fixing newly supplied 60Wt LED street light fittings to the existing pole, connecting the wire and testing street light etc. complete	

Sl. No.	Description of item	Bidder quoted rate
309	Removing of burnt out existing 400 Amps SFU main switch and burnt out cable etc. and refixing of newly supplied 400 Amps SFU Unit and providing new cable with lugging and taping fixing etc. complete as directed by the Departmental Engineer	
310	Removing of 7.5 H.P/ various stages, V-6 type submersible pump set from 6 1/2" dia borewell along with 2" dia G.I pipes total 40 No of pipes of total length of 500 feet without damaging of G.I pipes couplings pipe 2.5 sq.mm flat cable and pump set with necessary tripod and chainpulley block etc complete	
311	Rewinding of 5 H.P/ various stages, Submersible pump set motor by dismantling of burnout stator from motor and removing, burnout winding wire including cleaning the stator slots, re-winding with new 1 sq.mm PVC quoted copper winding wire, replacement of gunmetal motor bushes 4No's, changing oil seals insulation sleeves. Repairs of rotor by rotor polishing and rotor machining etc cost of material and labour charges etc complete after deduction cost of old materials.	
312	Repairing and replacing spares parts to 7.5 H.P/ various stages, V-6 type pump by removing part to part impeller brazing, Machning, replacement of brock out PVC Impellers, bowls to V-4 pump set changing worn out pump bushes, replacing neck rings re-assembling pump set and testing etc complete.	
313	Removing of 7.5 HP open well pump set from reservoir without water with necessary tools chainpulley tripod, without damaging cable, motor pump set etc, as directed by the Departmental Engineer	
314	Rewinding of 7.5 HP open well submersible motor by dismantling of burnout stator from motor and removing burnout winding wire including cleaning the stator slots with CTC (carbon tetrachloride), rewinding with new PVC quoted copper winding wire. changing motor bushes 4 Nos and oil seals insulation sleeves. Repairs of rotor rotor polishing and rotor machining etc., including cost of material and labor charges etc., complete after deducting cost of old materials.	
315	Repairing and replacing spares parts to 7.5 H.P open well pumpsets changing the neck rings, sleeves, bushes gunmetal impeller brazing, Machning as same size replacement of worn out thrust bearing etc, re assembling, painting and testing trial run on Non load etc, including cost material and labour etc, complete after deducting cost of old materials.	
316	Re-erection of pump set in reservoir without water with necessary nuts bolts and rubber packing tripod chainpulley without damaging the pump set with skilled workers and technician charges as directed by the departmental officer.	
317	Supply, delivery and laying of 2.5 sq mm 3 core submersible copper flat cable in place of existing burnout flat cable replacement with Fine cab make. Including cost of material and transit risk up to destination etc., complete including all taxes, duties etc. complete.	
318	open well pump set from reservoir without water with chainpulley tripod, without damaging cable, motor pump set etc. as directed by the departmental engineers.	
319	Repairing and replacing spares parts to 7.5 H.P/ various stages, V-6 type pump by removing part to part impeller brazing, Machning, replacement of brock out PVC Impellers, bowls to V-4 pump set changing worn out pump bushes, replacing neck rings re-assembling pump set and testing etc complete.	
320	Re-erection of 7.5 HP/ various stages, V-6 type submersible pump set from 6 1/2" dia G.1 pipes total 40 Nos without damaging of Job G.I pipes couplings pipe 2.5 sq mm flat cable and pump set with necessary tripod and chainpulley block etc complete.	
321	Hire charges of Truck mounted derrick crane 5 t	
322	Dismantling and removing of MS chequered plate cover, MS chamber, suction delivery pipes 150mm MS pipe etc., by engaging welding transformers gas cutting sets, welders, and other man power.	
323	Cutting of CC road surface including labour charges, all leads and other incidental and operational charges tool and plants stacking etc complete for pipe line trenches as directed by the HMWS&SB Engineers. (7x4x0.15=4.2cum)	
324	Earth work excavation in Loamy and clayey soils, red earth and ordinary gravel and hard gravelly soils soft disintegrated rock etc. as directed by departmental officers including leads and lifts, all incidental and operationals 4charges etc. and depositing the same on bank with an initial lead of 10 Mts. and excluding dewatering etc. complete as directed by the H.M.W.S.&.S. Board Engineers. (7x4x1.2=33.6 cum)	

Sl. No.	Description of item	Bidder quoted rate
325	labour charges for junction works at site including laying jointing and erection of inlet and outlet pipeline of 150mm dia main pipeline and fixing of sluice valve nonreturn valve rubber packing bolts and nuts site welding with 3 line arc welding making leaf proof, including wages for welders helpers fitter etc including hire charges for welding transformer machine gas cutting equipment etc complete as directed by the departmental officers.	
326	Eanaging labour for clenining the pit and removing the mud and solids etc including incidental and operational charges etc complete as  directed by departmental officer	
327	Hiring Charges of Rotating hydraulic heavy duty 10 Ton capacity crane of boom length it long including incidental and operational charges etc complete as directed by departmental officer	
328	Erection of new 5HP pump set 1 No in the chamber tightenting with new fasteners to delivery connection to pipe line required welding gas cutting nut bolts rubber packing and suitable flanges for delivery connection etc., compelte including all leads and lifts, all other incidental and operational charges etc., complete. as directed by the H.M.W.S.& S. Board Engineers	
329	Cutting of BT road 3mm surface including labour charges, all leads and other incidental and operational charges tool and plants etc complete for pipe line trenches as directed by the HMWS&SB Engineer. size 3 layers x 40.0 x0.4=48 sqmtrs	
330	Cutting of open CC road surface including labour charge all leads and other incidntal and operationl charges tool and plants etc complete for pipe line trenches as directed by the HMWSSB Engineers size 40.0X0.4 x.30=4.8 Cum	
331	Labour charges for fabrication of MS and GI items at site including jointing and erection of suction of delivery pipe line of 200mm dia MS pipeline flanges and rubber packing bolts and nuts doing junction work site welding with three line arc welding making leak proof including wages welders helpers fitters etc including hire charges for welding transformer machine gas cutting etc as directed by the departmental officers	
332	cutting and removing of existing damaged 150mm dia non return valves from its joints carefully cutting with the help of gas cutting set with experienced skilled workers who has performed similar type of jobs earlier and later cutting with field gas cutting including hire charges of gas cutting equipment and consumables etc including cost of oxygen gas acetyle cost of skilled labour charges and duly removing the expansion joint from trench without damaging the existing MS pipe with all other incidental and operational chargesetc complete	
333	Lowering, Laying, Jonting and Fixing of new 150mm dia Di NRV valves 3line arc welding with experienced welders, Fitters and Helpers who has done the similar type of jobs previously including cost and conveyance of hire charges for materials nuts bolts, packing rubber welding transformer, Electrodes, Oxygen and LPG and all incidental & operational charges duly taking all precautionary measures to work the pipe line complete. as directed by the H.M.W.S.S.B. Engineers	
334	Transportation charges for Men, Material Equipment like cylinders and all other misllenious works /items including Hire charges,Oil, Driver Helper etc., complete as direcded by the H.M.WSS.B. Engineers	