

GUJARAT WATERSUPPLY & SEWERAGE BOARD

GANDHINAGAR

(A WHOLLY OWNED GOVERNMENT OF GUJARAT UNDERTAKING)



Name of Work: Comprehensive operation and maintenance of water supply project including all required materials, labours and all type of machinery etc. complete for water system for pumping treated water (WTP-2.6 MLD) from RCC U/G Sumps at Main HW to sumps and different SHW and from RCC U/G Sumps at SHW to ESR at various Sub Head works and distribution system up to Village level sumps covered under mangrol Dalki Regional Supply Scheme Ta: Jalalpor Di: Navsari based on Kakrapar left bank canal for Five years excluding cost of enegry charges & Raw water charges

Estimated Cost : Rs. Rs. 2,06,98,591.00

VOLUME – II

PRICE BID

Chief Engineer

Gujarat Water Supply & Sewerage Board

Zone –.Surat

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VOLUME II

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PRICE SCHEDULE A

Schedule showing approximate quantity of materials to be supplied to the contractor at the govt. store for the work to be executed on contract and the rate which they are to be charged.

Sr. No.	Particular	Quantity	Issue Rate	Unit	Place of Delivery
1	Chlorine gas	2380	Free of cost	Kg	Mangrol Main
2	PAC (10% liquid)	17848	Free of cost	Kg	H/W of the
3	Bleaching powder	00	Free of cost		scheme/s
Add rows as required					

Note:

1. Materials not included in “Schedule – A” but required for the work shall be provided by the contractor at his own cost.
2. Any materials required for items other than labour charges items mentioned in “Schedule – B” and materials not included in “Schedule – A” but available with dept. will be issued on request of the contractor at departmental issued rate or market rate whichever is more.
3. The contractor shall provide his own arrangement for loading, unloading and transporting the materials issued by the dept. from store to site at his own cost. Contractor will be responsible for damages whatsoever during transfer.
4. The unused materials issued by the department for this work shall be returned to the department in good and acceptable condition by the contractors. Any such unused materials not returned by the contractor in time or issued will be recovered at Double of (As per issue rate + 3% storage charge or Board RC + 3% storage charges) whichever is more.
5. All materials such as Specials, Fittings, Spares, etc. shall be brought by Agency / Contractor at site of work.
6. The material which requires to be procured by contractor and same as available with the department the same can be issued to the contractor after prior approval from the competent authority and charged for the same will be at the current market rate or issue rate fixed by the department whichever is higher. The contractor shall have to deposit total cost of materials issued or shall be recovered from the running account bill.
7. The materials issued for the above work shall be used in the above O&M work only. If any of materials issued for this work and found used in other works shall be charged at the double rate.
8. As per the instructions of the competent authority and availability of materials, if needed contractor have to transport the same from the other store toScheme for which no extra carting, loading, unloading will be paid.
9. The materials issued free of cost to the contractor is to be transported to the site of work in good condition by the contractor for which no extra payment will be made.
10. The materials to be brought/purchase by the contractor shall be got approval from the EIC before using in the work.

Signature of the contractor

**Executive Engineer
P. H. Works Division
GWSSB, Navsari**

PRICE SCHEDULE B**Price Schedule for Comprehensive O&M of Mangrol Dalki RWSS**

Name of Work: Comprehensive Operation and Maintenance of the project mainly Water Treatment Plant, different class, type and diameter pipes, pump houses, Sumps, RCC ESR, H.G.L.R, Sluice valves, Flow meters, Non-return valve, Pump, motor, capacitor, L.T. Panels, L.T. cables and transformer installed at Headwork and Sub headwork. Work includes replacement of spares for all equipment and maintenance of all civil structures and all electro-mechanical installation etc. complete. Including submission of periodic MIS reports on software. Supply of potable water in accordance, maintaining residual chlorine, and all consumables. All type operations, preventive maintenance, overhauls and repair/ break down maintenance for civil / mechanical & electrical works. Providing pre scribed nos. of qualified and experienced staff for overall management of O&M work as per detailed specification & obligatory requirement for 60 months. Excluding electric power, raw water under **Mangrol Dalki Regional water supply schemes of Tal.- Jalalpor Dist.- Navsari as per tender.**

Schedule - B		
Part	Description	Amount up to 2 decimals (In Rs.)
A	Part A Operation & Maintenance of Civil & Electromechanical assets as per this contract for the Mangrol Dalki water supply scheme/s, including supply of 2.6 MLD potable water to all 07 villages for 60 months period. Taluka: Jalalpor District: Navsari based on KLBC. Including supply of Alum and chlorine gas.	1,43,85,493.00
B	Part B Maintenance activities, measured and paid separately, such as painting, cleaning of reservoirs/ tanks, procurement and replacement of filter media etc complete as per this tender document	49,29,024.00
C	Part C Repair, up gradation of non-functional assets which are crucial for safe and efficient functioning of RWSS	13,84,074.00
	Total Amount (A+B+C)	2,06,98,591.00

Total of Schedule B in Rupees. Two Seventy Four Lakh Ninety Four Thousand Nine Hundred Thirty Eight (words) Only

I / We am / are willing to carry out the work at _____ % above / Below percent (should be written in figure and words) of the estimated rates mentioned above amount of my / our tender works out as under.

Estimated amount Put to tender: Rs. Deduct _____ % above Rs. _____ Net Rs. _____ In words Rupees _____	Estimated amount Put to tender: Rs. Add _____ % above Rs. _____ Net Rs. _____ In words Rupees _____
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Note:

- Rates to be quoted exclusive of GST.
- Part A is payable on **monthly** basis whereas part B & C are subject to completion of activities and approval of the measurement.

- Water supply of target quantity of water to all habitations (village, towns and hamlets) on a daily basis. If due to breakdown, agency is not capable of supplying water then such quantity should be supplied the next day to cope up with the shortage. Such that the water supplied on the next day will be 2 times the regular per day target.
- Contractor should quote rate in words & figure both.
- Insurance Policy should be procured in favour of Executive Engineer, PH Works Division, Navsari, and contractor has to produce it before entering into agreement with department, for the full period of O&M.
- The bidders should strictly note that rate will be fixed and firm. No escalation will be given during the maintenance period.
- The work should be carried out as per the terms and conditions laid down in the tender specification.
- The cost of raw water, electricity will be borne by GWSSB.
- GWSSB will supply necessary stock of Chlorine gas, PAC & bleaching powder. All other required material for O&M work shall be brought by the contractor at his own cost including loading, unloading and carting and the same material shall get approval from the Engineer-in-charge before use in the work.
- The cost is including all type of taxes (other than GST), octroi, freight, loading, unloading, carting labour charges payment to labour including insurance, P.F. and all other liabilities for the staff engaged for the O&M work.
- All replaced material (provided from the department's store) shall be returned to department store by the contractor at his own cost.
- Painting of overall structures: Internal/external painting of civil structures, machineries, manifolds, valves etc.

Interior Paint: Distemper paint to all civil assets

Exterior paint: shall be acrylic emulsion paint colour (like APEX): pump house, treatment plants, treated water pumping stations, GSRs, ESRs, sump, stores, etc all.

Oil paint colour: All type of doors, windows, ventilation, shutter, pump, motor, all valves & equipment inside pump house, transformer yard, D.P. structure, transformer etc

Black Japan colour: air valve, sluice valve, riser pipe of air valve, zero velocity valve, butterfly valve (outdoor), bypass arrangement etc.

Breakup of Schedule B

Part A: Operation & Maintenance

Sr. No.	Qty.	Unit	Item	Rate (in Rs.)	Per	Total Amount in Rs.
1	2	3	3	4	5	6=[2] x [4]
A	60	Months	Operation & Maintenance of Civil & Electromechanical assets as per this contract for the Mangrol Dalki water supply scheme/s, including supply of <2.6> MLD potable water to all 07 villages 00 Towns for 60 months period. Taluka: Jalalpor District: Navsari based on KLBC. Including supply Alum and chlorine gas.			
i	12	Months	First Year	212660.92	Per Month	2551931
ii	12	Months	Second Year	225421.08	Per Month	2705053
iii	12	Months	Third Year	238946.08	Per Month	2867353
iv	12	Months	Fourth Year	253283.08	Per Month	3039397
v	12	Months	Fifth Year	268479.92	Per Month	3221759
Total- Part A						1,43,85,493.00

Total for Part A in. Rupees Sixty One crore Fourty Three Lakh Eighty Five thousand Four hundred Ninety Eight (words) Only

Part B- Maintenance (separately payable on actuals, as measured)

Sr. No.	Qty.	Unit	Item	Rate (in Rs.)	Per	Total Amount in Rs.
1	2	3	3	4	5	6=[2] x [4]
B1 (i)			Distempeing (two coats) with oil bound distemper of approved brand and manufacture and of required shade on wall surface to give an even shade over and including a priming coat with distemper primer of approved brand and manufacture after thoroughly brushing the surface free from mortar dropping and other foreign matter and also including preparing the surface even and sand prepared smooth. For first year			
a	527.00	Sqm	WTP- <2.60 MLD> capacity	64.198	Sqm	33832.34
b	250	Sqm	Staff quarter	64.198	Sqm	16049.5
c	284.00	Sqm	Pump house	64.198	Sqm	18232.23
d	2796.00	Sqm	Compound wall	64.198	Sqm	179497.61
			3 rd Year			
a	527.00	Sqm	WTP- <2.60 MLD> capacity	72.133	Sqm	38014.1

Sr. No.	Qty.	Unit	Item	Rate (in Rs.)	Per	Total Amount in Rs.
1	2	3	3	4	5	6=[2] x [4]
b	250	Sqm	Staff quarter	72.133	Sqm	18033.25
c	284.00	Sqm	Pump house	72.133	Sqm	20485.77
d	2796.00	Sqm	Compound wall	72.133	Sqm	201683.87
			5 th Year			
a	527.00	Sqm	WTP- <2.60 MLD> capacity	81.049	Sqm	42712.82
b	250	Sqm	Staff quarter	81.049	Sqm	20262.25
c	284.00	Sqm	Pump house	81.049	Sqm	23017.91
d	2796.00	Sqm	Compound wall	81.049	Sqm	226613.0
B1 (ii)			Applying any approve quality of cement paint in three coats including cleaning washing etc. acomplete for Scaffolding 1 st year			
d	10118.32	Sqm	Sump,Esr,PH,WTP Chamber (Outside)	79	No.	799347.28
d	10118.32	Sqm	Sump,Esr,PH,WTP Chamber (Outside)3 rd year	88.76	No.	898147.00
d	10118.32	Sqm	Sump,Esr,PH,WTP Chamber (Outside)5 th year	99.74	No.	1009158.00
B1 (iii)			Painting two coates (Excluding Priming coat) on new steel and other metal,surfaces with enamel paint, brushing , interior to give an even shade including cleaning the surface of all dirt, dust and other foreign matter etc.complete for 1st Year			
f	165.00	No.	Main gate, Shutter,Window	58.31	No.	9621.00
f	165.00	No.	Main gate, Shutter,Window	65.52	No.	10810.00
f	165.00	No.	Main gate, Shutter,Window	73.61	No.	12146.00
Sub Total- Part B1 (i, ii, iii)						3577663.00
B2			Cleaning of Storage reservoir: UG sumps, ESR, HGLR/ GLCC and all village level sumps every six months(10 times in the contract period)			
a	2	No.	Sump 1600000 LL	14567	Nos.	29134.00
	2	Nos.	2nd Year	15441.02	Nos.	30882.00
			3rd Year	16367.48	Nos.	32735.00
			4th Year	17349.53	Nos.	34699.00
			5th Year	18390.50	Nos.	36781.00
	2	Nos.	65000 Sump For 1st Year (1 Nos.)	1707.00	Nos.	3414.00
	2	Nos.	2nd Year	1809.42	Nos.	3619.00
			3rd Year	1917.99	Nos.	3836.00
			4th Year	2033.06	Nos.	4066.00
			5th Year	2155.05	Nos.	4310.00

Sr. No.	Qty.	Unit	Item	Rate (in Rs.)	Per	Total Amount in Rs.
1	2	3	3	4	5	6=[2] x [4]
	4	Nos.	100000 Cap. Sump For 1st Year (2 Nos.)	2276.00	Nos.	9104.00
	4	Nos.	2nd Year	2412.56	Nos.	9650.00
			3rd Year	2557.31	Nos.	10229.00
			4th Year	2710.75	Nos.	10843.00
			5th Year	2873.40	Nos.	11494.00
	2	Nos.	For 150000 Cap. Sump for 1st Year (1 Nos.)	2276.00	Nos.	4552.00
	2	Nos.	2nd Year	2412.56	Nos.	4825.00
			3rd Year	2557.31	Nos.	5115.00
			4th Year	2710.75	Nos.	5422.00
			5th Year	2873.40	Nos.	5747.00
	14	Nos.	For 50000 Cap. Sump For 1st Year (7Nos.)	1707.00	Nos.	23898.00
	14	Nos.	2nd Year	1809.42	Nos.	25332.00
			3rd Year	1917.99	Nos.	26852.00
			4th Year	2033.06	Nos.	28463.00
			5th Year	2155.05	Nos.	30171.00
	4	Nos.	For 40000 Cap. Sump For 1st Year (2 Nos.)	1138.00	Nos.	4552.00
	4	Nos.	2nd Year	1206.28	Nos.	4825.00
			3rd Year	1278.66	Nos.	5115.00
			4th Year	1355.38	Nos.	5422.00
			5th Year	1436.70	Nos.	5747.00
	6	Nos.	For 60000 Cap. Sump For 1st Year (.3 Nos.)	1707.00	Nos.	10242.00
	6	Nos.	2nd Year	1809.42	Nos.	10857.00
			3rd Year	1917.99	Nos.	11508.00
			4th Year	2033.06	Nos.	12198.00
			5th Year	2155.05	Nos.	12930.00
	2	Nos.	For 65000 Cap. Sump For 1st Year (1 Nos.)	1707.00	Nos.	3414.00
	2	Nos.	2nd Year	1809.42	Nos.	3619.00
			3rd Year	1917.99	Nos.	3836.00
			4th Year	2033.06	Nos.	4066.00
			5th Year	2155.05	Nos.	4310.00
	2	Nos.	For 80000 Cap. Sump For 1st Year (1 Nos.)	1707.00	Nos.	3414.00
	2	Nos.	2nd Year	1809.42	Nos.	3619.00

Sr. No.	Qty.	Unit	Item	Rate (in Rs.)	Per	Total Amount in Rs.
1	2	3	3	4	5	6=[2] x [4]
			3rd Year	1917.99	Nos.	3836.00
			4th Year	2033.06	Nos.	4066.00
			5th Year	2155.05	Nos.	4310.00
	2	Nos.	For 120000 Cap. Sump For 1st Year (1 Nos.)	2276.00	Nos.	4552.00
	2	Nos.	2nd Year	2412.56	Nos.	4825.00
			3rd Year	2557.31	Nos.	5115.00
			4th Year	2710.75	Nos.	5422.00
			5th Year	2873.40	Nos.	5747.00
<i>b</i>	2	Nos.	<i>450000 Cap. Of ESR For 1st Year</i>	4439.00	Nos.	8878.00
	2	Nos.	2nd Year	4705.34	Nos.	9411.00
			3rd Year	4987.66	Nos.	9975.00
			4th Year	5286.92	Nos.	10574.00
			5th Year	5604.14	Nos.	11208.00
	2	Nos.	For 400000 Cap. Of ESR For 1st Year (1 Nos.)	3984.00	Nos.	7968.00
	2	Nos.	2nd Year	4223.04	Nos.	8446.00
			3rd Year	4476.42	Nos.	8953.00
			4th Year	4745.01	Nos.	9490.00
			5th Year	5029.71	Nos.	10059.00
	12	Nos.	For 25000 Cap. Of ESR For 1st Year (6 Nos.)	2276.00	Nos.	27312.00
	12	Nos.	2nd Year	2412.56	Nos.	28951.00
			3rd Year	2557.31	Nos.	30688.00
			4th Year	2710.75	Nos.	32529.00
			5th Year	2873.40	Nos.	34481.00
	2	Nos.	For 60000 Cap. Of ESR For 1st Year (1 Nos.)	2503.00	Nos.	5006.00
	2	Nos.	2nd Year	2653.18	Nos.	5306.00
			3rd Year	2812.37	Nos.	5625.00
			4th Year	2981.11	Nos.	5962.00
			5th Year	3159.98	Nos.	6320.00
Sub Total- Part B2						819862.00

Sr. No.	Qty.	Unit	Item	Rate (in Rs.)	Per	Total Amount in Rs.
1	2	3	3	4	5	6=[2] x [4]
B3	30.81	Cum	Procurement & replacement of filter media: Filter Media - Sand for Rapid Sand Filter Bed Providing & Supplying the filter sand of specified effective size (0.45 to 0.70 mm) and uniformity coefficient (not more than 1.7, not less than 1.3) and laying over gravel support confirming to IS : 8491 (i) - 77 in filterbed of required depth as per design and drawing. inclusive of all lead Every year Including Cost Of Labour charges for removing the existing bed of sand from the different compartment at filter pant by manual labour and cleaning and washing of the bed by water. Every year & Including Cost of Labour charges for spreading the sand in proper bed of filter palnt by manual labour incl. loading and carting & of filter sand from G.L. to filter bed manual.Every years For 1st Year	1351	Per m ³	41626.09
	30.81	Cum	3rd Year	1517.98	Cum	46769.00
	30.81	Cum	5th Year	1705.61	Cum	52550.00
B3	38.51	Cum	<i>Labour charges for removing the existing bed of gravel from the different compartment at filter pant by manual labour and cleaning and washing of the bed by water for bed of gravel. Every 02 years Including cost of Labour Charges Labour charges for spreading the gravel in proper bed of filter palnt by manual labour incl. loading and carting & Washing of gravel from G.L. to filter bed manual.& Providing & supplying gravels of different size as per design and drawing and laying in layers in filter beds inclusive of all lead Every 02 years. For 1st Year</i>	2995.00	Cum	115349.88
	38.51	Cum	3rd Year	3365.18	Cum	129593.00
	38.51	Cum	5th Year	3781.12	Cum	145611.00
Sub Total- Part B3						531499.00
Total- Part B (B1+B2+B3)						4929024.00

Total for Part B in. Rupees Forty Nine lakh Twenty Nine hundred Twenty Four (words) Only

Part C- Upgradation or Repair of non-functional legacy assets

Sr. No.	Qty.	Unit	Item	Rate (in Rs.)	Per	Total Amount in Rs.
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1	2	3	3	4	5	6=[2] x [4]
	1.00	No.	Iten No. 1 Providing, installing & commissioning Alum stirrers with motor (1 Hp) gear arrangement & electrical cabal, connection, control Panels Ect. (Size as per design)	19343	No.	19343.00
	2.00	No.	Iten No. 2 Providing, installing & commissioning Chlorination plant as per design capacity with Gravity feed type chlorinator by Gravity feed type	33850	No.	67700.00
			Iten No. 3 Providing and supplying ISI mark CI D/F Sluice Valves as per IS:14846 (Latest Edition) of following class and diameter including all taxes, insurance, transportation, freight charges, octroi, inspection charges, loading, unloading. conveyance to departmental stores, stacking etc. complete.PN-1.6 With hand/wheel cap operated (Alt-1 type long body)			
	2.00	No.	250mm	18009	No.	36018.00
	2.00	No.	300 mm	23259	No.	46518.00
			Iten No. 4 Lowering, laying and jointing in position following C/D/F Reflux valves, Butterfly valves, Sluice valves and Air valves including cost of all labour, jointing material, including nut bolts and giving satisfactory hydraulic testing etc complete			
	2.00	No.	250mm	946	No.	1892.00
	2.00	No.	300 mm	1141	No.	2282.00
	1.00	No.	Iten No. 5 HDPE Storage Tanks: Supplying Rotationally moulded HDPE storage tank with ISI Mark of approved make incl all taxes transportation octroi etc. complete. 300 lit Storage Tanks With ISI Mark (with outside Black colour & inside lining)	2687	No.	2687.00
	4.00	Hr.	Iten No. 6 Compressor test of tube well by air compressor of 600 CFM/150 PSI capacity in all districts.	3893	Hr.	15572.00
			Item No- 7 Providing fabricating and fixing/ installing mild steel gates of size as per design with operating handale etc. for by pass arrangement			

Sr. No.	Qty.	Unit	Item	Rate (in Rs.)	Per	Total Amount in Rs.
1	2	3	3	4	5	6=[2] x [4]
	80.00	Kgs.	(B SOR 2022-23, Item No. 5.5, Pg. 61)	75	Kgs.	6000.00
	251.55	Sq.mt	Item No- 8 Cement plaster 20 mm thick in C.M. 1:2 using water proofing compound of approved quality including finishing etc. complete.	202	Sq.mt	50813.10
	6.55	Cu.mt	Item No- 9 C.C. M-20 Nominal Mix (with w.p.chemical) Providing and cast in situ C.C. in grade M-20 (approx. corresp. to prop. 1:1.5.3) (proportions as per mix design or as per table9 of IS456 2000 in masses by weigh batching) using quartzite trap metal of size 12 mm to 20 mm and or 6 mm to 12 mm including scaffolding centering form work, needle vibrated consolidation, curing and hydraulic testing etc. complete (excluding cost of reinforcement) with centering and shuttering/deshuttering etc. complete up to 6 meter height/depth from Av. G.L. for all structures with water proofing compound.	5978	Cu.mt	39155.90
(1) Mangrol Dalki HW Q- 45 Lps, Head-34 Mtr, Minimum - 22 KW/30 HP (1W+1S)Mechanical Items:-						
	1	Job	Dismantling of existing HSCF Pump motor Set from Pump Room with Valves, Vaccume Pump, Flowmeter, Cable, Panel and other accessories etc Incl all removable stuff to be put as per instruct by engineer incharge Duty Point :- Q- 50 Lps, Head-39 Mtr., R.P.M-2900, Minimum- 37 KW/50 HP	19781	Job	19781.00
	2	Set	Installation, Testing and commissioning of New HSCF Pump motor Set in existing old Pump room. Duty Point :- Q- 45 Lps, Head- 34 Mtr., R.P.M-2900, Minimum- 22 KW/30 HP	6250	Set	12500.00
	1	Per day	Providing Light commercial (medium) four wheel diesel Vehicle on rental basis for one day minimum 12 hours with driver (The vehicle will fully insured with fitness, PUC and insurance) (From Navsari to Bharuch to Mangrol Dalki to Navsari i) Up to 150	2160	Per day	2160.00

Sr. No.	Qty.	Unit	Item	Rate (in Rs.)	Per	Total Amount in Rs.
1	2	3	3	4	5	6=[2] x [4]
			Kms			
	150	Kms	(ii) Extra Kms thereafter 150 kms	11.1	Kms	1665.00
	4	day	(iii) Hiring labour 4 nos for loading and unloading Material HSCF Pump 2 Nos, Motor 2 Numbers, Panel	238	day	952.00
	6	Mts.	Manufacture, Supply & Delivery of Electric Resistance Welded (Up to 400mm)/Submerged Arc Welded(Above 400mm) M.S.Pipe having beveled ends plate or coil conforming to IS-3589-2001 or its latest revision/ ammendment for following thickness outside diameter at GWSSB store or site anywhere in Gujarat State including all taxes, insurance, transportation, freight charges, octroi, inspection charges, loading, unloading conveyance to Departmental stores, stacking etc. all complete. (Rate for MS Pipe based on the ex. works price of HR Coil as Rs.41680.00 per MT (Above 3.15 mm to 10 mm) & Rs. 42217.00 per MT (Above 10 mm) as on Febuaury-2019.(WPI Index of H. R Coil of February-19 is 113.90) a) 168.3 mm dia.(OD) M.S pipe thickness of 4.5 mm for Delivery pipeline	1565	Mts.	8790.00
	30	Mts.	b) 219.1 mm dia.(OD) M.S pipe thickness of 4.5 mm for Delivery pipeline	1900	Mts.	57000.00
	200.0	Kgs.	Erection, Installation, Testing & Commissioning of Delivery, By Pass & Header Piping with Flanges, eccentric Nozzles, Nut-Bolts, Y -tee connection etc. Complete. (a) Up to 300mm dia	98	Kgs.	19600.00
	2	No.	S.I.T.C. of ISI mark CI D/F Sluice Valves PN 1.6 with hand wheel (PD short body type) as per IS:14846 (Latest Edition) of following class and diameter including all taxes, insurance, transportation, freight charges, octroi, inspection charges, loadig, unloading, conveyance to departmental stores, stacking etc. complete (a) On Delivery pipe of 150 mm dia.	6442	No.	12884.00
	2	No.	S.I.T.C. of ISI mark CI D/F PN 1.6 Reflux	8933	No.	17866.00

Sr. No.	Qty.	Unit	Item	Rate (in Rs.)	Per	Total Amount in Rs.
1	2	3	3	4	5	6=[2] x [4]
			Valve as per IS 5312 (latest addition) of following class and diameter including all taxes, insurance, transportation, freight charges, octroi, inspection charges, loading, unloading, conveyance to departmental stores, stacking etc. complete (a) On Delivery pipe of 150 mm dia.			
	2	No.	S.I.T.C. of Corrugate design stainless steel Expansion bellows with flanges, 15 mm axial movement, 300 mm overall length with tie rods, nuts etc. Complete of PN-1.6 rating to be installed on: a) On Delivery side - 150 mm dia.	4896	No.	9792.00
	2	No.	b) On Suction side - 200 mm dia.	6576	No.	13152.00
	3	Nos.	S.I.T.C. of 150 mm dial size Bourdon Type Pressure Gauge, ±1% accuracy, Direct bottom 1/2" NPT (M) process connection, IP 67, Glycerine filled, SS304 Case with Bayonet Type Bezel, SS316 L Bourdon Tube, SS 316 Movement material, Aluminium dial with black graduation on white background, Micro Zero adjustable pointer, neoprene gasket, Blow out disc, shatter proof glass, SS tag plate etc as per IS 3624.150 mm dia & dial from 0 to 20 Kg/cm ² a) 2 Nos. on delivery pipe & 1 No on delivery Header Pipe	1412	Nos.	4236.00
	1	No	VACUUM PUMP SET: Providing, Supplying, Erecting approved make coupled vacuum pump set with horizontal foot mounted TEFC squirrel cage motor having under mentioned capacity working on 3ph, 50hz, 415V±10%, with base plate, DOL starter,cable,GI medium duty suction pipes-10 mtr. long, specials, valve, PVC tank of 250 ltr, capacity etc. complete. Material of Constructions: Impeller- SSCF8M, Shaft- SS410, Casing-CIFG260 Rating: 5 HP (1W)	5244	No	52440.00
	8	Cu.mt	Providing & laying reinforced cement concrete in Pump Foundation/Thrust Block/Pipe/Valves/Pump room PCC /	8566.4	Cu.mt	68531.20

Sr. No.	Qty.	Unit	Item	Rate (in Rs.)	Per	Total Amount in Rs.
1	2	3	3	4	5	6=[2] x [4]
			Supports etc. with tar steel black trap kapchi as coarse aggregate for raft, grillage footing inclusive providing binding necessary size TMT steel bar with centering form work, consolidating as per directive in 1:2:4 ratio.			
	1	Job	Providing Chain pulley block with triple gear arrangement, lifting hook, laod chain & hand chain & locking device etc Capacity -1 Tonne. With (6m load Chain)	14400	Job	14400.00
	4	sq mtr	Providing and fixing 35 mm thick shutter for doors, windows and clear story windows including alluminium butt hinged with necessary screw (a) indian teak wood b) fully glazed	2633.81	sq mtr	10535.23
	3	Sq.M.	Supply 6.00 mm thick rubber mat for LT of required length and Bredth.	984	Sq.M.	2952.00
	2	Job	Supply & Erecting earth pit of minimum dia 150 mm size approved make earthing electrodes consisting pipe in pipe technology as per IS 3043- 1987 made of corrosion free hot dip GI pipe having outer dia 50 mm having outer galvanise coating of 80-200 microne. inner pipe dia of 25 mm having 200-250 microne galvanising , Connecting terminal dia of of UL Listed Maintenance Free Earthing System made of copper bonded rod of 10 feet (3 mtr approx.) length, 17.2 mm dia. (Minimum copper bonding shall be 0.25mm, mm with constatnt ohmic Value surrounded by highly conductive compound with high charge dissipation suitable for following type of application with chamber and veavy duty cover (aapproved make OEM has to submit test certificate) & having back filling compound of (B) inner chemical (CCM compound) -, Resistivity ohm /meter testing as per IEC-62561-2017, Voltage drop :-< 1 volt at no load and dry form, Sulpher Content :-< 2% (C) Back filling compound: - earthing compound should be capable to retain moisture for long time necessaary test report must be submitted. (a) for electrical instrument up to 440 V in	4397.66	Job	8795.32

Sr. No.	Qty.	Unit	Item	Rate (in Rs.)	Per	Total Amount in Rs.
1	2	3	3	4	5	6=[2] x [4]
			normal soil, Length of pipe 1 Mtr. Bag 4772filling compound - 1 Nos bag of 15 Kgs			
	1	Job	ITC of Existing Old MCC Panel 22 KW in Pump Room Including all cable work	4772	Job	4772.00
	20	Mtr	MEDIUM VOLTAGE CABLES Supply, laying, testing & commissioning 1.1 kV grade, XLPE insulated, stranded Aluminium conductor, galvanised steel flat strip / round wire armoured, extruded PVC type ST2 sheathed, heavy duty cable (to be laid on wall surface with necessary clamps / in existing cable trench / cable trays / conduit / pipe sleeves at road crossing or floor as per site requirement) conforming to IS:7098 (Part-1) & IEC:60502 (Part-1) of following sizes: 1 RUN 3.5 c x 25 sq.mm. AL XLPE Armoured (GEB Meter to Kitkat Fuse to C.O. to MCC & CC Panel)	134	Mtr	2680.00
	30	Mtr	1 RUN 3 c x 16 sq.mm. AL XLPE Armoured from panel to Pump	91	Mtr	2730.00
	15	Nos.	CABLE LUGS Providing & fitting crimping type Cable Terminals (Lugs) conforming to IS of following types and sizes. Aluminium Tubular Terminals. 1 RUN 3.5 c x 25 sq.mm. AL XLPE Armoured (Kitkat Fuse to C.O. to MCC & CC Panel)	3	Nos.	45.00
	15	Nos.	1 RUN 3 c x 16 sq.mm. AL XLPE Armoured (Pump to Panel)	2	Nos.	30.00
	4	Nos.	CABLE END TERMINATION AND CONNECTION : Providing & fitting heavy duty brass cable glands (nickel-plated) with washers & rubber ring conforming to IS, suitable for 3, 3½ & 4 core cables of following type & sizes: Double Compression Brass Cable Glands 1 RUN 3.5 c x 25 sq.mm. AL XLPE Armoured (Kitkat Fuse to C.O. to MCC & CC Pa	203	Nos.	812.00

Sr. No.	Qty.	Unit	Item	Rate (in Rs.)	Per	Total Amount in Rs.
1	2	3	3	4	5	6=[2] x [4]
	4	Nos.	1 RUN 3 c x 16 sq.mm. AL XLPE Armoured (Pump to Panel)	154	Nos.	616.00
	1	No	S.I.T.C. of approved make Iron clad / Meal clad four pole change over switch 415V confirming to ISS of 125 Amp. Capacity etc. comp. as per requirement. Cat-II & erection of such on wooden block.	11791.6	No	11791.60
	3	Nos.	SITC OF 200Amp KITKAT Pattern porcelain Cut out fuse with base of following current capacity erected on wooden block.	401.8	Nos.	1205.40
	20	Each	Painting the Numbers and words for the inventory identification on pump room wall with good quality of enamelled paint as directed by engineer in charge. 300 Character (i) Rate up to 20 Character	20.5	Each	410.00
	280	Each	(ii) Add Character up to 300	22.14	Each	6199.20
	10	Mtr	INTERNAL WIRING:- Mains with 1.1kV grade FRLS PVC insulated ISI marked stranded copper conductor wire in following type of pipe to be erected concealed in /flushed on wall/ ceiling with 1.5 sq. mm copper conductor FRLS PVC insulated stranded wire of green colour for earth continuity of following size. with medium class Rigid PVC pipe and accessories Main wiring with 3 wire 1.5 Sq.mm	73.8	Mtr	738.00
	4	Nos.	Point wiring for Light/ Bell with 2-1.5 sq. mm & earthwire of 1.5 sq.mm (Green) both are of ISI marked 1.1kV grade FRLS PVC insulated multistrand copper wires, in following type of pipe to be erected concealed in/ on surface on wall/ ceiling complete with 6A Modular type switch/ bell push & accessories and earth continuity of following type, erected on PVC/ Metallic box, single mounting base frame covered with textured/ metallic front plate modules erected on/ in wall/ ceiling as per pipe erected, with necessary Lamp holder/ ceiling rose/ H.D.Connector as directed. with medium class Rigid PVC pipe and accessories-cat.III	400.98	Nos.	1603.92

Sr. No.	Qty.	Unit	Item	Rate (in Rs.)	Per	Total Amount in Rs.
1	2	3	3	4	5	6=[2] x [4]
	1	Nos.	Point wiring for Individual Plug with earthwire of 1.5 sq.mm (Green) both are of ISI marked 1.1kV grade FRLS PVC insulated multistrand copper wires, in following type of to be erected concealed in/ on surface of wall/ ceiling complete with Modular type switch & 5 pin Plug erected on PVC/ Metallic box covered with appropriate front plate modules erected on/ in wall/ ceiling as per pipe erected with following type of accessories.For 6A Plug with 2-1.5 sq.mm Cu. Wire with medium class Rigid PVC pipe and accessories.	425.58	Nos.	425.58
	2	Nos.	BRACKET: B' class galvanised iron pipe 32 mm outside dia 45 cms long duly welded on 20 cms x 20 cms x 3 mm thick M.S. base plate, erected on wall or corner for mounting luminaire with necessary hardware materials duly painted. For wall mounting indoor & Outdoor Flood light Fixtures on wall of Buiding.	328	Nos.	656.00
	2	Nos.	EXTERNAL LIGHTING: Supplying and erecting LED street light / Flood light fittings with High power White LEDs wattage of 1Watt and above assembled on single MCPCB, efficiency more than 130 lm/w and corrosion free High pressure die cast aluminum housing with smooth finish powder coated and heat sink extruded aluminium with diffuser and Polycarbonate optics/ lenses with company mark/name engraved or embossed 120 to 300 V,Power Factor more than 0.95, THD < 10 %, CCT 3000 K to 5700K, Uniformity ratio >0.45, Luminaire efficacy> 100 lumens/watt . LED driver efficiency > 85 %.CREE / OSRAM / PHILIPS Lumileds / NICHIA / SEOUL/ BridgeLux (U.S.A.) make LED used for luminaire. (fittings required LM-79 & LM-80 certificates) Flood Light (IP-65), Surge -4KV,Light must have 440VAC line supply protection. It should withstand 48 hours for 440VAC line supply.	2108.22	Nos.	4216.44

Sr. No.	Qty.	Unit	Item	Rate (in Rs.)	Per	Total Amount in Rs.
1	2	3	3	4	5	6=[2] x [4]
			above 24 to 36 Watts, Cat-III			
	1	Each	Supplying stand first AID box with antiseptic cream, medicine for use on wounds due burn, crepe bandage, gauge bandage, medicated ready to use bandage (Band-aid) adhesive tape for medicinal user, Scissors, anti-septic solution (savlon or similar) etc. (All above contents shall be of standard makes) (For Pump house / LT Room)	287	Each	287.00
	1	Each	Providing printed instruction Chart both in English and Gujarati and duly framed with front glasses, for treatment of person suffering from electric shock. (1no. For LT Room)	287	Each	287.00
	2	Set	(1) Mangrol Dalki Intakewell Q- 45 Lps, Head-34 Mtr, Minimum - 22 KW/30 HP (1W+1S) POLDER TYPE SUBMERSIBLE PUMP: Supply, Installation, Testing & Commissioning of Polder Submersible Pump with required capacity & head as per IS 8034 suitable for water having upto 10000 PPM turbidity with suitable submersible wet type, water cooled, squirrel cage motor to IS 9283, working on three phase, 50 Hz +/-3%, 415V +/-10%, AC supply, 2900 RPM synchronize speed with 10 mtr copper conductor flat cable from pump to starter panel with cable end terminations (4) all supports, clamps, pipe fittings alongwith mechanical seal, bearing bush, strainer etc. complete set & following M.O.C: Casing CI, SS CF8M impeller, Bronze: wearing ring & Bearing bush, TC mechanical seal, CS/S.S.bearing, S.S shaft with sleeve, SS strainer & MS motor body. Minimum Motor rating: 12.5 HP, Capacity: 47 lps, Head:12 mtrs (1W+1S)	142748	Set	285496.00
	1	Job	Dismantling of existing Polder Pump motor Set from Pump Room with Valves, flowmeter, Cable, Panel and other accessories etc Incl all removable stuff to be put as per instruct by engineer incharge Duty Point :- Q- 47 Lps, Head-12 Mtr.,	9897	Job	9897.00

Sr. No.	Qty.	Unit	Item	Rate (in Rs.)	Per	Total Amount in Rs.
1	2	3	3	4	5	6=[2] x [4]
			R.P.M-2900, Minimum- 9.3 KW/12.5 HP			
	36	Mts.	Manufacture, Supply & Delivery of Electric Resistance Welded (Up to 400mm)/Submerged Arc Welded(Above 400mm) M.S.Pipe having beveled ends plate or coil conforming to IS-3589-2001 or its latest revision/ ammendment for following thickness outside diameter at GWSSB store or site anywhere in Gujarat State including all taxes, insurance, transportation, freight charges, octroi, inspection charges, loading, unloading conveyance to Departmental stores, stacking etc. all complete. (Rate for MS Pipe based on the ex. works price of HR Coil as Rs.41680.00 per MT (Above 3.15 mm to 10 mm) & Rs. 42217.00 per MT (Above 10 mm) as on Febuaury-2019.(WPI Index of H. R Coil of February-19 is 113.90) a) 168.3 mm dia.(OD) M.S pipe thickness of 4.5 mm for Delivery pipeline	1465	Mts.	52740.00
	200.0	Kgs.	Erection, Installation, Testing & Commissioning of Delivery, By Pass & Header Piping with Flanges, eccentric Nozzles, Nut-Bolts, Y -tee connection etc. Complete. (a) Up to 300mm dia	98	Kgs.	19600.00
	3	No.	S.I.T.C. of ISI mark CI D/F Sluice Valves PN 1.6 with hand wheel (PD short body type) as per IS:14846 (Latest Edition) of following class and diameter including all taxes, insurance, transportation, freight charges, octroi, inspection charges, loadig, unloading, conveyance to departmental stores, stacking etc. complete (a) On Delivery pipe of 150 mm dia.	6442	No.	19326.00
	2	No.	S.I.T.C. of ISI mark CI D/F PN 1.6 Reflux Valve as per IS 5312 (latest addition) of following class and diameter including all taxes, insurance, transportation, freight charges, octroi, inspection charges, loading, unloading, conveyance to departmental stores, stacking etc. complete (a) On Delivery pipe of 150 mm dia.	8933	No.	17866.00

Sr. No.	Qty.	Unit	Item	Rate (in Rs.)	Per	Total Amount in Rs.
1	2	3	3	4	5	6=[2] x [4]
	2	No.	S.I.T.C. of Corrugate design stainless steel Expansion bellows with flanges, 15 mm axial movement, 300 mm overall length with tie rods, nuts etc. Complete of PN-1.6 rating to be installed on: a) On Delivery side - 150 mm dia.	4896	No.	9792.00
	3	Nos.	S.I.T.C. of 150 mm dial size Bourdon Type Pressure Gauge, $\pm 1\%$ accuracy, Direct bottom 1/2" NPT (M) process connection, IP 67, Glycerine filled, SS304 Case with Bayonet Type Bezel, SS316 L Bourdon Tube, SS 316 Movement material, Aluminium dial with black graduation on white background, Micro Zero adjustable pointer, neoprene gasket, Blow out disc, shatter proof glass, SS tag plate etc as per IS 3624.150 mm dia & dial from 0 to 20 Kg/cm ² a) 2 Nos. on delivery pipe & 1 No on delivery Header Pipe	1412	Nos.	4236.00
	3	sq mtr	Providing and fixing rolling shutters of approved make made of 80 mm wide M.S. Lathe interlockes together through there entire length and joined together at ends by ends lock mounted on specially designed pipe shaft with bracket plates, guide, chanel and arrangement for inside and outside locking with pull push operation including the cost of hood cover and spring complete shutter having width below 3.5M	2844.35	sq mtr	8533.05
	7	sq mtr	Providing and fixing 35 mm thick shutter for doors, windows and clear story windows including alluminium butt hinged with necessary screw (a) indian teak wood b) fully glazed	2633.81	sq mtr	18436.65
	2	Set	S.I.T.C. of Cubical Control pannel Board 11-15 H.P. with. Star delta Starter suitable for local & remote pump control application consisting of Auto Transformer (vacuum impregnated, air cooled having three (3) tappings at 50%, 65% and 80%), incomer MCCB / MPCB, overload relay and contactors as per Type II coordination including digital MFM with RS 485	11119	Set	22238.00

Sr. No.	Qty.	Unit	Item	Rate (in Rs.)	Per	Total Amount in Rs.
1	2	3	3	4	5	6=[2] x [4]
			<p>communication port, analogue type ammeter with selector switch, run hour meter, required protective relays & control accessories of totally enclosed as per IS 2147 operation on 3 phase 415 volt 50 Hz neutral effectively grounded, IP-51 with instrument compartment accomodating LED type indicating lamps, control contactors as per IS 13947, CT of accuracy class -I as per IS 2705 relays and control fuses,air insulated al. bus bar for 3 phases and neutral system with Suitable Size MCCB, metering instruments ameter & voltmeter with selector switch, momentay contact type push button, equipment fitting, bus bars,cable boxes,cable glands,incoming and outgoing cable connections for 1100 volt grade al / cu conductor PVC insulated and PVC sheathed armoured cable,10% spare terminals, power wiring use of 660 / 1100 volts grade, FRLS insulated copper conductor wires confirming to IS 694 & 8130, approved capacitors of suitable capacity to maintain P.F. upto 0.96, single phase preventor with by pass toggle switch as per technical specification etc. comp. as per requirement.</p>			
	2	Job	<p>Supply & Erecting earth pit of minimum dia 150 mm size approved make earthing electrodes consisting pipe in pipe technology as per IS 3043- 1987 made of corrosion free hot dip GI pipe having outer dia 50 mm having outer galvanise coating of 80-200 microne. inner pipe dia of 25 mm having 200-250 microne galvanising , Connecting terminal dia of of UL Listed Maintenance Free Earthing System made of copper bonded rod of 10 feet (3 mtr approx.) length, 17.2 mm dia. (Minimum copper bonding shall be 0.25mm, mm with constatnt ohmic Value surrounded by highly conductive compound with high charge dissipation suitable for following type of application with chamber and veavy duty cover (aaproved make OEM has to submit test certificate) & having back filling compound of (B) inner chemical</p>	4397.66	Job	8795.32

Sr. No.	Qty.	Unit	Item	Rate (in Rs.)	Per	Total Amount in Rs.
1	2	3	3	4	5	6=[2] x [4]
			(CCM compound) -, Resistivity ohm /meter testing as per IEC-62561-2017, Voltage drop :-< 1 volt at no load and dry form, Sulpher Content :-< 2% (C) Back filling compound: - earthing compound should be capable to retain moisture for long time necessary test report must be submitted. (a) for electrical instrument up to 440 V in normal soil, Length of pipe 1 Mtr. Bag filling compound - 1 Nos bag of 15 Kgs			
	1	No	S.I.T.C. of approved make Iron clad / Meal clad four pole change over switch 415V confirming to ISS of 63 Amp. Cat-III Capacity etc. comp. as per requirement. Cat-II & erection of such on wooden block.	3903.2	No	3903.20
	10	Mtr	MEDIUM VOLTAGE CABLES Supply, laying, testing & commissioning 1.1 kV grade, XLPE insulated, stranded Aluminium conductor, galvanised steel flat strip / round wire armoured, extruded PVC type ST2 sheathed, heavy duty cable (to be laid on wall surface with necessary clamps / in existing cable trench / cable trays / conduit / pipe sleeves at road crossing or floor as per site requirement) conforming to IS:7098 (Part-1) & IEC:60502 (Part-1) of following sizes: 1 RUN 4 c x 10 sq.mm. AL XLPE Armoured (GEB Meter to Kitkat Fuse to C.O. to CC Panel)	97	Mtr	970.00
	30	Mtr	1 RUN 3 c x 10 sq.mm. AL XLPE Armoured (Pump to Panel)	86	Mtr	2580.00
	18	Nos.	CABLE LUGS Providing & fitting crimping type Cable Terminals (Lugs) conforming to IS of following types and sizes. Aluminium Tubular Terminals. 1 RUN 3 c x 10 sq.mm. AL XLPE Armoured (Kitkat Fuse to C.O. to MCC & CC Panel)	2	Nos.	36.00
	4	Nos.	CABLE END TERMINATION AND CONNECTION : Providing & fitting heavy duty brass cable glands (nickel-plated) with washers & rubber ring conforming to IS, suitable for	120	Nos.	480.00

Sr. No.	Qty.	Unit	Item	Rate (in Rs.)	Per	Total Amount in Rs.
1	2	3	3	4	5	6=[2] x [4]
			3, 3½ & 4 core cables of following type & sizes: Double Compression Brass Cable Glands 1 RUN 3.5 c x 25 sq.mm. AL XLPE Armoured (Kitkat Fuse to C.O. to MCC & CC Pa			
	15	Mtr	INTERNAL WIRING:- Mains with 1.1kV grade FRLS PVC insulated ISI marked stranded copper conductor wire in following type of pipe to be erected concealed in /flushed on wall/ ceiling with 1.5 sq. mm copper conductor FRLS PVC insulated stranded wire of green colour for earth continuity of following size. with medium class Rigid PVC pipe and accessories Main wiring with 3 wire 1.5 Sq.mm	73.8	Mtr	1107.00
	4	Nos.	Point wiring for Light/ Bell with 2-1.5 sq. mm & earthwire of 1.5 sq.mm (Green) both are of ISI marked 1.1kV grade FRLS PVC insulated multistrand copper wires, in following type of pipe to be erected concealed in/ on surface on wall/ ceiling complete with 6A Modular type switch/ bell push & accessories and earth continuity of following type, erected on PVC/ Metallic box, single mounting base frame covered with textured/ metallic front plate modules erected on/ in wall/ ceiling as per pipe erected, with necessary Lamp holder/ ceiling rose/ H.D.Connector as directed. with medium class Rigid PVC pipe and accessories-cat.III	400.98	Nos.	1603.92
	1	Nos.	Point wiring for Individual Plug with earthwire of 1.5 sq.mm (Green) both are of ISI marked 1.1kV grade FRLS PVC insulated multistrand copper wires, in following type of to be erected concealed in/ on surface of wall/ ceiling complete with Modular type switch & 5 pin Plug erected on PVC/ Metallic box covered with appropriate front plate modules erected on/ in wall/ ceiling as per pipe	425.58	Nos.	425.58

Sr. No.	Qty.	Unit	Item	Rate (in Rs.)	Per	Total Amount in Rs.
1	2	3	3	4	5	6=[2] x [4]
			erected with following type of accessories.For 6A Plug with 2-1.5 sq.mm Cu. Wire with medium class Rigid PVC pipe and accessories.			
	5	Nos.	BRAKET: B' class galvanised iron pipe 32 mm outside dia 45 cms long duly welded on 20 cms x 20 cms x 3 mm thick M.S. base plate, erected on wall or corner for mounting luminaire with necessary hardware materials duly painted. For wall mounting indoor & Outdoor Flood light Fixtures on wall of Buiding.	328	Nos.	1640.00
	5	Nos.	EXTERNAL LIGHTING: Supplying and erecting LED street light / Flood light fittings with High power White LEDs wattage of 1Watt and above assembled on single MCPCB, efficiency more than 130 lm/w and corrosion free High pressure die cast aluminum housing with smooth finish powder coated and heat sink extruded aluminium with diffuser and Polycarbonate optics/ lenses with company mark/name engraved or embossed 120 to 300 V,Power Factor more than 0.95, THD < 10 %, CCT 3000 K to 5700K, Uniformity ratio >0.45, Luminaire efficacy> 100 lumens/watt . LED driver efficiency > 85 %.CREE / OSRAM / PHILIPS Lumileds / NICHIA / SEOUL/ BridgeLux (U.S.A.) make LED used for luminaire. (fittings required LM-79 & LM-80 certificates) Flood Light (IP-65), Surge -4KV,Light must have 440VAC line supply protection. It should withstand 48 hours for 440VAC line supply. above 24 to 36 Watts, Cat-III	2108.22	Nos.	10541.10
	20	Each	Painting the Numbers and words for the inventory identification on pump room wall with good qaulity of enemelled paint as directed by engineer in charge. 200 Character (i) Rate up to 20 Character	20.5	Each	410.00
	180	Each	(ii) Add Character up to 200	22.14	Each.	3985.20

Sr. No.	Qty.	Unit	Item	Rate (in Rs.)	Per	Total Amount in Rs.
1	2	3	3	4	5	6=[2] x [4]
	1	Each	Supplying stand first AID box with antiseptic cream, medicine for use on wounds due burn, crepe bandage, gauge bandage, medicated ready to use bandage (Band-aid) adhesive tape for medicinal user, Scissors, anti-septic solution (savlon or similar) etc. (All above contents shall be of standard makes) (For Pump house / LT Room)	287	Each	287.00
	1	Each	Providing printed instruction Chart both in English and Gujarati and duly framed with front glasses, for treatment of person suffering from electric shock. (1no. For LT Room)	287	Each	287.00
	30	Kgs.	SITC of required size alluminium strip for erthing of HT/ OCB/ ACB/ Transformer / LT pannel motor etc using coper clamp.	73.4	Kgs.	2214.00
Total- Part C						1384074.00

Total for Part C in. Rupees Thirteen Lack Eighty Four Thousand Seventy Four Only

Part C: Detailed BOQ

Brief note on operational issues and need for the repairs: _____

_____ (include notes from inspection by DEE and the need for such items)

Abstract of BOQ for Part C

As above

Total Estimated Cost of Part C: 1384074.00 (in figures and words)

Total time limit for completion of Part C scope of work: 1 (months) (shall not be more than 12 months from start date of contract.

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