

KHAMBHAT MUNICIPALITY, KHAMBHAT			
BID DOCUMENT FOR RENOVATION & REPAIRING OF EXISTING 11.00 MLD WATER TREATMENT PLANT WITH REPLACEMENT OF PIPE & VALVE ARRANGEMENTS, MECHANICAL & ANCILLARY WORK AT KHAMBHAT NAGARPALIKA UNDER: 15TH FINANCE COMMISSION (YEAR:2020-2021- 2021-22,2022-23) UNTIED, TIED GRANT.			
GENERAL SUMMARY.			
Sr. No.	Description	Amount	
1	Mechanical & Ancillary Works for Existing 11.00 MLD WTP at Head Water Works at Khambhat.	Rs.	2023129.00
2	Replacement of Existing 300, 250, 200 & 150MM Dia Pipes at Existing 11.00 MLD WTP at Khambhat Head Water Works	Rs.	753757.00
	<b>Total,Rs.</b>		2776886.00
	<b>Add 18% GST</b>		499839.48
	<b>Total Rs.</b>		3276725.48
	<b>Add 2% for Contengencies Charges</b>		65534.51
	<b>Add 1% for Quality Control</b>		32767.25
	<b>Total Rs.</b>		3375027.24
	<b>Say, Amount.</b>		<b>3375100.00</b>
I / We am/are willing to carry out the work at _____ % above / below (percent should be written in figure and in words) of the estimated rates mentioned above. Amount of my/our tender works out as under.			
( In words ) _____ percentage above / below the estimated rate.			
Estimated Amount put to tender		Rs.	<b>3375100.00</b>
Deduct _____ % below Rs.		Rs.	
Net Amount		Rs.	
( In words ) _____			
Estimated Amount put to tender		Rs.	<b>3375100.00</b>
Add _____ % above Rs.		Rs.	
Total Amount		Rs.	
( In words ) _____			
*( Please strike out whichever is not applicable)			
Note :1	All work shall be carried out as per Public Works Department Hand Book and other specifications of Division or as directed.		
Note :2	Rates quoted include clearance of site (prior commencement of work and its close) in all respects and hold good for work under.		
Note : 3	I/ We have read the conditions mentioned in this tender and agree to abide by the same.		
Note : 4	In all R.C.C. Items in Rate Analysis Standard Cement Consumption has been taken as per Govt. G.R.: PRC-10/2017 Cement Consumption/16/C Date:11/05/2017 as stated in S.O.R. therefore in R.C.C. items where there is a change as per actual mix design the cost of difference of cement consumption have been deducted from the rate of original item at the rate of input rate mentioned in all the tender.		

Signature of Contractor

President  
Khambhat Nagarpalika  
Khambhat

Chief Officer  
Khambhat Nagarpalika  
Khambhat

**KHAMBHAT MUNICIPALITY, KHAMBHAT**

**Mechanical & Ancillary Works for Existing 11.00 MLD WTP at Head Water Works at Khambhat.**

**SCHEDULE-B1**

<b>Sr. No.</b>	<b>Description</b>	<b>Quantity</b>	<b>Total Rate</b>	<b>Per</b>	<b>Amount</b>
1	Providing, installing & commissioning Alum stirres with motor (1 H.P), gear arrangement & electrical cable connections, control panels etc (size as per design) <b>Alum Stirrer</b>	2.00	22244.45	No.	44488.90
2	Providing and fixing Manometer of Approved make	1.00	24468.55	No.	24468.55
3	Providing and Fixing LOH indicator of approved make	1.00	4671.30	No.	4671.30
4	Providing Manually Operated 6.0m Lift Chain pulley block with tripple gear arrangement, lifting hook, load chain & locking device with necessary mounting girder/ structure, spur gear travelling trolley & all accessories. 2 tonne Capacity.	1.00	20010.00	set	20010.00
5	Providing Supplying 500 Kg capacity weighing machine at destination	1.00	11066.45	Set	11066.45
6	Providing, Supplying & Installing Vacum Control Direct wall mounted gas chlorinator including necessary fittings, installation and commissioning of plant including Clamp, copper pipe, ferule filter & control valve with injector. --do-- for 10 KG Capacity (Cabinete type).	2.00	293621.45	No.	587242.90
7	Providing and Supplying Chlorine gas cylinder empty of required capacity with necessary explosive certificate including all taxes. Chorine cylinders 100 Kg.	2.00	30986.75	No.	61973.50
8	Providing & Supplying the filter sand of specified effective size (0.45 to 0.70mm) and uniformly coefficient (not more than 1.7, nor less than 1.3) and laying over gravel support confirming to IS : 8491 (I) - 77 in filter bed of required depth as per design and drawing.	104.00	1468.55	Cmt.	152729.20
9	Providing and supplying gravels of different size as per design and drawing and laying in layers in filter beds.	104.00	1468.55	Cmt.	152729.20
10	Providing fabricating and fixing /installing C.I. gates of size as per design with operating handle etc.	900.00	94.30	Kg	84870.00

Sr. No.	Description	Quantity	Total Rate	Per	Amount
11	Providing and applying 3 LPE Coating outside 3 layers polyethylene (LPE) coating with required tk. As per DIN_30670 or its latest revision or amendment and detail specifications with necessary material & Labour and Equipments etc. outside of MS Pipes.	36.00	929.20	Smt	33451.20
12	Providing, installing & commissioning Air agitation system including Blowers (40 HP), piping and valve arrangement etc, as per design. FOR ALL BEDS.	1.00	397857.45	Smt	397857.45
13	Cement plaster 20 mm thick in C.M. 1:2 using water proofing compound of approved quality including finishing etc. complete.	1062.00	232.30	Smt	246702.60
14	Finishing wall with water proofing cement paint of on wall surfaces (Three coats) to give an approved brand and manufacture and of required shape even shade after thoroughly brushing the surface to remove all dirt and remains of loose powered materials.	1062.00	106.13	Smt	112710.06
15	Excavation for foundation in sand, gravel, clay soft soils and murrum etc. including shoring, strutting dewatering as necessary and disposing of the excavated stuff as directed. Depth upto 3.0 M. and upto any lead.	156.00	511.11	Smt	79733.16
16	Dewatering by pumping set of required capacity including temporary platform carting pumping at site and fixing the same in position including all accessories, and fuel and labour etc. complete.	400.00	21.06	HP/ Hr.	8424.00
Total, Rs.					2023128.47
Say, Rs.					2023129.00

**KHAMBHAT MUNICIPALITY, KHAMBHAT**

**Replacement of Existing 300, 250, 200 & 150MM Dia Pipes at Existing 11.00 MLD WTP at Khambhat Head  
Water Works  
SCHEDULE-B2**

<b>SR. NO.</b>	<b>DESCRIPTION</b>	<b>QUANTITY</b>	<b>Total Rate</b>	<b>PER</b>	<b>AMOUNT Rs.</b>
1	Providing and supplying D. I. K-9 D/F grade pipes for following nominal bore diameter with internal cement mortar lining including all taxes, insurance, transportation, freight charges, octroi, inspection charges, loading, unloading, conveyance to departmental stores, stacking etc. complete. (IS 8329-2000). 300mm Dia Pipes.	30.00	6546.00	Rmt.	196380.00
1.1	<b>150mm Dia</b>	20.00	2986.00	Rmt.	59720.00
2	Providing and supplying D. I. K-9 grade pipes for following nominal bore diameter with internal cement mortar lining including all taxes, insurance, transportation, freight charges, octroi, inspection charges, loading, unloading, conveyance to departmental stores, stacking etc. complete. (IS 8329-2000). 200mm Dia Pipes.	35.00	2239.00	Rmt.	78365.00
2.1	<b>250mm Dia.</b>	20.00	2998.00	Rmt.	59960.00
3.0	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. I/S Solvent free Liquid Epoxy Lining (406 micron) + O/S 3 LPE Coated M. S. Pipe. for 219mm Dia 6.3mm Thick.	15.00	3099.00	Rmt.	46485.00
4	Manufacture, Supply & Delivery of Ductile Iron Flange socket spigot bends, tees, reducers or any other specials as per BS-EN-545/1995 Class-A series K12 suitable for use with D.I. Pipes manufactured as per IS:8329/1994 delivery of specials is to be made to GWSSB store or site of works any where in Gujarat including all taxes, loading, unloading, carting, stacking, insurance, inspection charges, octroi etc. complete. With external bitumen & zinc coating & internal cement mortar lining. Socket & Spigot type. From 80mm to 300mm Dia.	95.00	148.00	Kgs.	14060.00
4.1	Flange Ended Specials - 80 to 300mm Dia.	310.00	155.00	Kgs.	48050.00

SR. NO.	DESCRIPTION	QUANTITY	Total Rate	PER	AMOUNT Rs.
5	Providing and supplying ISI mark CI D/F Sluice valves, butterfly valves & Reflux valves of following class and diameter including all taxes, insurance, transportation, freight charges, octroi, inspection charges, loading, unloading, conveyance to departmental stores, stacking etc. complete. Sluice valves as per IS - 780 & 2906 / 1984. Sluice Valve ISI Mark only. PN-1.6 With hand/wheel cap operated (Alt-1 type long body). 200mm Dia Sluice Valve.	8.00	11063.00	Nos.	88504.00
5.1	150mm Dia Sluice Valve	2.00	6545.00	Nos.	13090.00
6	Excavation for pipe line trenches for water supply, sewerage line, manhole etc. all with shoring and strutting if required as per required gradient and line including safety provisions using site rails and stacking excavated stuff including up to all required lead cleaning the site etc. complete for all lifts and strata as specified. In all sort of soil and soft murrum. Upto 1.50 Mt. Depth. For CC 1:2:4 or Asphalt Road.	60.00	102.35	Cmt.	6141.00
7	Refilling the pipeline trenches incl. ramming, watering, consolidating disposal of surplus stuff as directed within a radius of 3 km.	58.00	25.30	Cmt.	1467.40
8	Demolition including stacking of serviceable materials and disposal of unserviceable materials with all lead and lift. (i) R.C.C. work	2.00	1082.34	Cmt.	2164.68
9	Lowering, laying and jointing C. I. S & S Spun pipes suitable for Tyton joints / Mortar lined D. I. Pipes of various classes with CI / MS specials of following diameters in proper position, grade and alignment as directed by Engineer-in-charge including hydraulic testing etc. comp. 200mm Dia.	35.00	113.85	Joint	3984.75
9.1	<b>250mm Dia Pipes</b>	20.00	146.05	Joint	2921.00
10	Providing and making flanged joints to flanged DI / C.I. pipes of all classes / specials etc. including cost of all jointing materials rubber packing, nut bolts, including lowering laying jointing labour hydraulic testing etc. complete. 300mm Dia Pipe.	8.00	1406.45	Joint	11251.60
10.1	<b>150mm Dia Pipes</b>	2.00	702.65	Joint	1405.30
11	Lowering, laying, jointing & welding in position to correct line & level M.S. Pipe with outside 3 LPE coating & inside solvent free liquid epoxy lining on pedestal or chairs upon prepared formation or prepared bedding in trenches the rates include conveyance from store to site of work loading, unloading, heat shrink sleeve jointing hydrotesting etc. complete.	15.00	226.55	Rmt.	3398.25

SR. NO.	DESCRIPTION	QUANTITY	Total Rate	PER	AMOUNT Rs.
12	Lowering, laying and jointing in position following C. I. / 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. 200mm Dia Sluice Valve.	8.00	2003.30	Nos	16026.40
12.1	<b>150mm Dia Sluice Valve</b>	2.00	672.75	Nos	1345.50
13	Providing, Supplying and Delivery of CI Manhole frame and cover incl. all taxes, loading, unloading and carting upto departmental stores etc. comp. Size 1.5m. x 1.5m. heavy duty - 15 ton capacity. All Type. CI Manhole Frame & Cover.	200.00	58.00	Kg.	11600.00
14	Providing and cast in situ C.C. in grade M-30 proportions of ingredients as per mix design by weigh batching using granite, quartzite trap metal of size 12 mm to 20 mm and or 6 mm to 12 mm including scaffolding centering formwork, needle vibrated consolidation, curing and hydraulic testing etc. complete (excluding cost of reinforcement) with centering and shuttering/ deshuttering etc. comp. up to 6 meter height / depth Av. G.L. for all water retaining structures.	2.00	9295.45	Cmt.	18590.90
15	Supplying, cutting, bending, binding and placing in position steel as per plan and design and as per ISS 2502 including cost of steel and binding wire for reservoirs/structures only including lift up to 6 meter height or depth below G.L. for all diameters. Do-CRS steel all diameter Fe 500grade confirming to relevant I.S.	0.40	90363.55	M.T.	36145.42
16	Labour charges for repairing leakage in CI/DI pipeline of following diameter at different places including necessary excavation manually or by machinery, removing of mud, dewatering, cleaning of pipe, cutting of pipe, Jointing & repairing using CID joints including CID joints, rubber rings, nut bolts, hiring excavator, Hydra/ Crane, dewatering machine, fuel, operator etc. complete. (including cost of jointing material but excluding cost of pipe). 300mm Dia Pipe.	4.00	5686.00	No.	22744.00
16.1	<b>150mm Dia Pipe</b>	2.00	2496.00	No.	4992.00
17	Removing of existing pipeline incl. removal of specials, valves jointing material including carting and stacking of removed material from site of work to the department store as directed excl. excavation and refilling. For 300mm Dia DI Pipes.	30.00	80.50	No.	2415.00
17.1	<b>150mm Dia DI Pipes</b>	20.00	35.65	No.	713.00

SR. NO.	DESCRIPTION	QUANTITY	Total Rate	PER	AMOUNT Rs.
18	Providing laying and jointing in true line and level 25mm dia. U.P.V.C. Pipe ( SCH- 40) for cold water including fittings as approved by Engineer In Charge. Pipe shall be fixed on the wall with the help of clamp at every two metre C/C or shall be concealed as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.	20.00	91.83	No.	1836.60
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					Total, Rs. 753756.80
					<b>Say, Rs. 753757.00</b>