

CONTRACT NO.

GUJARAT WATERSUPPLY & SEWERAGE BOARD GANDHINAGAR

(GOVERNMENT OF GUJARAT UNDERTAKING)



Bid Documents for “Operation, Maintenance and Repairing of Tubewell & Sump Pumping Machinery and Pipeline Network of Various H/W Under Khombhadi Complex RWSS for 12 Month Under M & R Programme-2026-27 (2nd Attempt).”

Name of Project :- Khombhadi Complex Regional Water Supply Scheme (Operation & Maintenance)

Estimated Cost :-Rs. 9533542.64

VOLUME- III

PRICE-BID

Chief Engineer

Gujarat Water Supply & Sewerage Board

Zone -IV Bhuj-Kachchh

“Operation, Maintenance and Repairing of Tubewell & Sump Pumping Machinery and Pipeline Network of Various H/W Under Khombhadi Complex RWSS for 12 Month Under M & R Programme-2026-27(2nd Attempt).”

VOLUME - II

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NAME OF SCHEME- Khombhadi Complex Regional Water Supply Scheme

“Operation, Maintenance and Repairing of Tubewell & Sump Pumping Machinery and Pipeline Network of Various H/W Under Khombhadi Complex RWSS for 12 Month Under M & R Programme-2026-27 (2nd Attempt).”

The bidder shall quote his firm and fixed price for the entire work under this Contract, defined in more details in various sections of this bid document.

SCHEDULE-A

Schedule showing the approximately the materials to be supplied to the contractor from government stores for the work to be executed and the rate at which they are to be charged.

Schedule-A					
Schedule Showing the Approximate Materials to be Supplied by the Department for the work to be Carried out in this Contract and Rate which they are to be Charged.					
Sr. No.	Particulars	Qty.	Unit	Rate of which to be charged to the contractor	Place of delivery
1	CI Air Valve, CI Sluice Valve of Various Dia	As Per Requirement	Nos	Free of Cost	Departmental Store anywhere in Kutch District as directed by Engineer in charge.
2	HDPE Pipe DN 63 PN-10		RMT		
3	HDPE Pipe DN 90 PN-16		RMT		
4	Flat PVC copper Cable 1 x 3 C x 6.0 mm ²		RMT		
5	Flat PVC copper Cable 1 x 3 C x 10.0 mm ²		RMT		
6	Flat PVC copper Cable 1 x 3 C x 16.0 mm ²		RMT		
7	28 mm Dia Polypropylene rope		RMT		
8	200 Amp Kit-kat Cutout fuse board		Nos		
9	80 mm dia reflux valves		Nos		

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, PAC Solution and Chlorine Gas 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.

Date:

Signature of contractor

**Executive Engineer
P.H.Works Dn., G.W.S.S.B
Nakhatrana-Kachchh**

Khombhadi Complex Regional Water Supply Scheme	
Taluka:-Nakhatrana	District:-Kachchh
<u>Name of Project:-“Operation, Maintenance and Repairing of Tubewell & Sump Pumping Machinery and Pipeline Network of Various H/W Under Khombhadi Complex RWSS for 12 Month Under M & R Programme-2026-27 (2nd Attempt).”</u>	

SCHEDULE - B

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 Khombhadi Complex Regional water supply scheme, including supply of 3.00 MLD potable water to all the 20 hamlets/10 villages for 12 months period. Taluka : Nakhatrana & Bhuj District :-Kachchh based on Narmada Water, Dam & TW . Excluding Electric power, Raw Water cost	71,08,520.64
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	--
C	Part C Repair, upgradation of non-functional assets which are crucial for safe and efficient functioning of RWSS	24,25,022.00
	Total Amount (A+B+C)	95,33,542.64

Total of Schedule B in Rupees.....(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. 95,33,542.64	Estimated amount Put to tender: Rs. 95,33,542.64
Deduct _____ % above Rs. _____	Add _____ % above Rs. _____
Net Rs. _____	Net Rs. _____

In words Rupees _____	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, Nakhatrana** 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.

BREAK UP OF SCHEDULE - B

:::: SCHEDULE - B ::::				
Schedule Showing the Approximate Itemwise Quantities of Work to be Carried out Under this Contract.				
Cost Put to the Tender RS.			9533542.24	
Qty	Unit	Description of item	Tender Rate	Amount
PART – A :- SECTION – A				
Civil Part A-1				
		Item No. 1		
		Operation & Maintenance of Pipeline network including providing, supplying and fixing necessary specials (CID joints,bends,couplers,tail piece,T etc.) suitable to various dia of PVC pipes, HDPE pipes and suitable special etc. Complete including leakage repairing . The routine inspection, cleaning, flushing, leak detection, and repairs; preventive maintenance of valves and appurtenances; cleaning of valve chambers, tools, safety equipment, and supply of necessary consumables / spares, complete For Non- Metallic Pipeline		
12.00	Month	Khombhadi Complex Existing Pipeline Network	8579.49	102953.88
12.00	Month	Khombhadi Complex New Pipeline Network	6334.26	76011.12
		Item No. 2		

		Operation & Maintenance of Pipeline network including providing, supplying and fixing necessary specials (CID joints,bends,couplers,tail piece,T etc.) suitable to various dia of D.I. pipes and suitable special etc. Complete including leakage repairing. The routine inspection, cleaning, flushing, leak detection, and repairs; preventive maintenance of valves and appurtenances; cleaning of valve chambers, tools, safety equipment, and supply of necessary consumables/spares, complete For Metallic Pipeline		
12.00	Month	Khombhadi Complex Existing Pipeline Network	9697.77	116373.24
		Item No. 3		
		Providing Man Power as shown in " Annexure-1" for Maintaining Pipeline network of Nakhatrana Taluka of various Tube well Site and Head Work Site under Various Reg.water supply scheme		
		Khombhadi Complex Existing Pipeline Network (Lineman Cum Valve man)		
36.00	Month	Pipe Fitter (0.5 YoE) 1 per 50 km (3 No.)	15000.00	540000.00
72.00	Month	Helpers For Fitter 2 per 50 km (6 No.)	12000.00	864000.00
		Khombhadi Complex New Pipeline Network (Lineman Cum Valve man)		
24.00	Month	Pipe Fitter (0.5 YoE) 1 per 50 km (2 No.)	15000.00	360000.00
48.00	Month	Helpers For Fitter 2 per 50 km (4 No.)	12000.00	576000.00
		Khombhadi Complex		
12.00	Month	Asst. Maintenance Engineer (1 YoE)	22000.00	264000.00
		Total of Civil Part A-2		28,99,338.24

Mechanical Part A-2				
		ITEAM NO -1		
		All inclusive comprehensive maintenance cost for the period of one year for the Submersible motor Pump sets & Starter/Starter Panel, Column Pipes, wiring & Cables of following HP Capacity		
		Vertical tubewell Submersible Motor Pumpset with all accessories		
96.00	Month	25 HP TW	1483.17	142384.32
36.00	Month	30 HP TW	1779.75	64071.00
24.00	Month	35 HP TW	1991.67	47800.08
24.00	Month	40 HP TW	2118.75	50850.00
		ITEAM NO -2		
		All inclusive comprehensive maintenance cost for the period of one year for the Open Well Mono Pump sets & Starter/Starter Panel wiring & Cables of following HP Capacity		
		Horizontal Monoblock pumpset with all accessories		
24.00	Month	4 HP HMSP	296.67	7120.08
12.00	Month	5 HP HMSP	296.67	3560.04
36.00	Month	5.5 HP HMSP	398.33	14339.88
24.00	Month	7.5 HP HMSP	398.33	9559.92
36.00	Month	10 HP HMSP	508.50	18306.00
24.00	Month	15 HP HMSP	635.67	15256.08
60.00	Month	25 Hp HMSP	932.25	55935.00
		Item No. 3		
		Providing semi skilled & Un skilled man power as shown in Annexure-2" for Operating of Submersible Pump sets / Control Pannel Boards & Maintaining Pipeline network of Nakhatrana Taluka of various Tube well Site and Head Work Site under Various Reg.water supply scheme		

252.00	Month	TW/ Sump Pump Operator	15000.00	3780000.00
		Total of Mech Part A-2		4209182.40
		Total of Civil Part A-1 + Mech Part A-2		71,08,520.64
PART – C :- SECTION – C				
Civil Part C-1				
		ITEM NO -1		
		Providing and supplying in standard length ISI mark rigid unplasticised PVC pipes suitable far potable water with ting fit joint including cost of rings, as per IS specification no. 4985/1988 including all local and ceniral taxes, transportation, freight charges, octroi, inspection charges, loading, unloading, conveyance to the departmental stores and including cost of jointing meterial etc. complete. Note: 1.Qne coupler / ring shall be provided with each full length pipe cost of which is included in rates below. 2. 3% (Three) Discounted rate to be consider for Coupler jointed pipe 3. Rate for PVC Resin as Rs. 91739/MT (Price Without GST)		
		Khombhadi Complex Existing Pipeline Network		
432.00	Rmt	90 mm PVC 6 Kg/cm2	139.00	60048.00
486.00	Rmt	110 mm PVC 6 Kg/cm2	199.00	96714.00
726.00	Rmt	140 mm PVC 6 Kg/cm2	326.00	236676.00
216.00	Rmt	160 mm PVC 6 Kg/cm2	420.00	90720.00
		Khombhadi Complex New Pipeline Network		
252.00	Rmt	90 mm PVC 6 Kg/cm2	139.00	35028.00
234.00	Rmt	110 mm PVC 6 Kg/cm2	199.00	46566.00
300.00	Rmt	140 mm PVC 6 Kg/cm2	326.00	97800.00
66.00	Rmt	160 mm PVC 6 Kg/cm2	420.00	27720.00
264.00	Rmt	200 mm PVC 6 Kg/cm2	665.00	175560.00

		ITEM NO -2		
		Providing and supplying C. I. Temper proof Air valves with SS 304 Float gun metal- nozzle of approved make & quality of following class and diameter including all taxes, insurance, transportation, freight charges, octroi, inspection charges, loading, unloading, conveyance to departmental stores, stacking etc. complete. Without Isolating Sluice Valve PN 1.0		
		a) Temper proof Air valves 50 mm dia In PVC 90 mm to 200 mm Dia		
46.00	No.	Khombhadi Complex Existing Pipeline Network	5499.00	252954.00
28.00	No.	Khombhadi Complex New Pipeline Network	5499.00	153972.00
		b) Temper proof Air valves 50 mm dia In DI 100 mm to 200 mm Dia		
13.00	No.	Khombhadi Complex Existing Pipeline Network	5499.00	71487.00
		c) Temper proof Air valves 80 mm dia DI 250 mm to 300 mm Dia		
4.00	No.	Khombhadi Complex Existing Pipeline Network	7387.00	29548.00
		ITEM NO -3		
		Erection of air valve riser by installing new G.I. pipe of 3 mm thick and 3.2 mt length with necessary fittings such as flange of appropriate size, nut bolts and embedded the pipe in RCC M;15 with offset of 10 cm around pipe with necessary steel etc complete		
		a) Temper proof Air valves 50 mm dia In PVC 90 mm to 200 mm Dia		
46.00	No.	Khombhadi Complex Existing Pipeline Network	3112.00	143152.00

28.00	No.	Khombhadi Complex New Pipeline Network	3112.00	87136.00
		b) Temper proof Air valves 50 mm dia In DI 100 mm to 200 mm Dia		
13.00	No.	Khombhadi Complex Existing Pipeline Network	3112.00	40456.00
		c) Temper proof Air valves 80 mm dia DI 250 mm to 300 mm Dia		
4.00	No.	Khombhadi Complex Existing Pipeline Network	4350.00	17400.00
		Total of Civil Part C-1		1662937.00
Mechanical Part C-2				
Qty	Unit	Description of item	Tender Rate	Amount
		Item No: 1 Cubical Contol Panel (ATS)		
		Auto transformer 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 communication port, analogue type ammeter with selector switch, run hour meter, required protective relays & control accessories.		
2.00	No.	21 to 30 HP	24276.00	48552.00
1.00	No.	31 to 35 HP	27413.00	27413.00
2.00	No.	36 to 45 HP	33403.00	66806.00
		Item No: 2 Cubical Control Panel (DOL & S/D)		
		DOL / Star Delta starter suitable for local & remote pump control application consisting of MPCB, overload relay and contactors as per Type II coordination including digital voltmeter, analogue ammeter with selector switch, run hour meter, required protective relays & control accessories.		

1.00	Nos	S.D From 8-10 HP	9128.00	9128.00
2.00	Nos	S.D From 16-20 HP	13771.00	27542.00
		Item No. 3 HMSP		
		Monoset sub. pump 3 phase 400/440 vott, 50 c/s. A.C. Supply & 2900 RPM , following IS 14220 MOC : Casing: CI-FG260, Impeller : Bronze & Shaft : SS:410		
1.00	No	SM 2.5	18576.00	18576.00
2.00	No	SM 2.5.4	34632.00	69264.00
1.00	No	SM 2.7	24811.00	24811.00
1.00	No	SM 3.7	49797.00	49797.00
		Item No. 4 III-phase sub pumpmotor set		
		Electric motor driven borewell submersible pump set confirming to IS 8034 and motor confirming to IS 9283 working at 3 phase 400 / 440 volt 50 Hz AC supply & 2900 RPM.		
2.00	Set	Cat 6.3	42780.00	85560.00
1.00	Set	Cat 7.5	52868.00	52868.00
2.00	Set	Cat LD 2.5	140884.00	281768.00
		Total of Mech Part C-2		762085.00
		Total of Civil Part C-1 + Mech Part C-2		24,25,022.00
			<u>Total</u> <u>(A+C)=</u>	95,33,542.64

Part C:- Detailed BOQ :-**Brief note on operational issues and need for the repairs:-**

- 1) Air valves and air risers on the existing pipelines of different diameters mentioned under the Khombhadi Complex RWSS scheme have deteriorated due to the geographical conditions of Nakhatrana and Bhuj taluka and there is a need to install new air risers and air valves on Existing Pipeline.

- 2) Each and every RWSS components, whether it is operational or not, will be Hand over to the contractor. The contractor must have to take over all operational and non-operational components and work of non operational component must be commence within 15 days of the work order, and after completion of work the contractor have to report to the relevant division and subdivision office for completion of work for non operational components.

Total Estimated Cost of Part C:-24,25,022.00 in Word Twenty Four Lac Twenty Five Thousand Twenty Two Rs. Only

Total time limit for completion of Part C scope of Work:- 03 Months from start date of contract.

SCHEDULE-D**Preamble**

- 1) The Schedule specifies the procedure for all such assessment of the items specified in Schedule B
- 2) Each item of Schedule-B has been divided into broad components. The Employer's Representative shall assess the value of each component as indicated in paragraph 6 herein below.
- 3) Percentages are indicated against each component of each items specified in Schedule 8, based on the Employer's best appreciation of the value of the component as related to the total costs of the concerned item as whole. A head titled (any other item(s)) is included in each breakdown of schedule and the tenderer shall at the time of tendering indicate any additional items which he considers necessary but cannot be covered by any of the heads indicated in the breakup.
- 4) The percentage breakup as indicated in the Schedule may differ from that corresponding to the tenderer's scheme and design and he should take this into account while quoting his lump sum prices for the items specified in Schedule-B
- 5) The contractor shall, after approval of his detailed designs and drawings furnish to the Employer's Representative an initial bill of quantities to all major items, to be reviewed and updated periodically with the Employer's Representative. This bill of quantities will be used for assessment of percentage progress of the component at any stage. By measurement jointly taken by the Employer's Representative and the Contractor, mutually agreed and entered in the measurement books in the form and by the method approved by the Employer's Representative and signed jointly by both the parties.

Signature of contractor**Executive Engineer****P. H. Works Div., GWSSB Nakhatrana Division**

BREAK UP FOR INTERIM PAYMENTS

(CIVIL, MECHANICAL, INSTRUMENTATION & ELECTRICALWORKS)

Item	Description of Items	Percentage Payment to be released
1	PIPELINE	
a	On receipt of materials at project site	65 % of Quoted rate
b	On Excavation, Lowering, laying and Jointing	20 % of Quoted rate
c	On Hydraulic testing	5 % of Quoted rate
d	On refilling and disposal of surplus stuff	5 % of Quoted rate
e	After commissioning	5 % of Quoted rate
	Total	100%
2	VALVES	
g	On receipt of materials on site	70 % of Quoted rate
h	On erection	20 % of Quoted rate
i	On Hydraulic testing	5 % of Quoted rate
j	After commissioning	5 % of Quoted rate
	Total	100%
3	PUMPING STATION / STAFF QUARTERS / MATERIAL SAFETY ROOM / PUMP ROOM	
a.	On approval of Designs	2.0 % of Quoted rate
b.	On completion of Excavation & base slab	18.0 % of Quoted rate
c.	On completion of vertical wall up to plinth	20.0 % of Quoted rate
d.	Full supporting structure incl. ring beam and top slab	15.0 % of Quoted rate
e.	On completion of pump house incl. fixing doors Windows	10.0 % of Quoted rate
f.	Plastering inside & outside with epoxy paint etc (completed with all respects)	10.0 % of Quoted rate
g.	Painting of letters, MS ladder pipe, railing and all miscellaneous items such as snowcem paints in three coats etc. (completed with all respects)	15 % of Quoted rate
h.	After Completion	10 % of Quoted rate
	Total	100%
4	GROUND (UNDERGROUND) LEVEL SERVICE RESERVOIRS/SUMPS	
a.	On approval of designs	2 % of Quoted rate
b.	On completion of excavation and base slab	18 % of Quoted rate
c.	On completion of vertical wall and braces	20 % of Quoted rate
d.	Full supporting structure including column, ring beam and completion of top slab / dome	15 % of Quoted rate
e.	Plastering inside & outside with epoxy etc.	10 % of Quoted rate

	complete	
f.	Procurement and fixing of inlet, outlet, washout, overflow pipes, valves, specials, chambers, lighting arrester conductor and specials at site	10 % of Quoted rate
g.	Water level indicator, painting of letters, M.S ladder, pipes, railing and all miscellaneous items such as snowcem paint in three coats etc (Completed with all respect) including water tightness test	15 % of Quoted rate
h.	On hydraulic testing	10 % of Quoted rate
	Total	100%
5	Elevated Storage Reservoir	
a	On submission of Designs	2.5% of Quoted rate
b	On approval of Designs	2.5% of Quoted rate
c	On Completion of excavation	7.5% of Quoted rate
d	On completion of staging height up to reservoir	22.5% of Quoted rate
e	On Completion of Floor Reservoir	22.5% of Quoted rate
f	On Completion of walls of Reservoir	22.5% of Quoted rate
g	On Completion of Roof of reservoir with all related piping and	20.0% of Quoted rate
	Total	100%
5B	CASCADE AERATOR	
a	On submission of Designs	2.5% of Quoted rate
b	On approval of Designs	2.5% of Quoted rate
c	On Completion of excavation	7.5% of Quoted rate
d	On completion of staging height up to reservoir	30% of Quoted rate
e	On Completion of Floor Reservoir	30% of Quoted rate
f	On Completion of walls of Reservoir	22.5% of Quoted rate
g	On Completion of Roof of reservoir with all related piping and	5.0% of Quoted rate
	Total	100%
6	ALL ELECTROMECHANICAL WORKS	
A	Mechanical equipment	
A-1	Pump Motor Assembly Set	Total 35% weightage (amount) of Accepted LS KW Based Quoted rate
A-2	Valves and Expansion Bellows and Flowmeter	Total 10% weightage (amount) of Accepted LS KW Based Quoted rate
A-3	Pipes and Specials	Total 5% weightage (amount) of Accepted LS KW Based Quoted rate
B	Electrical and instrumentation Equipment	
B-1	Transformer	Total 20% weightage (amount) of Accepted LS KW Based Quoted rate

B-2	HV Switch Gear Panels (VCB)	Total 5% weightage (amount) of Accepted LS KW Based Quoted rate
B-3	LV Distribution Board, MCC & APFC Panels	Total 10% weightage (amount) of Accepted LS KW Based Quoted rate
B-4	Switchyard, Cable, lighting and Earthing with Accessories	Total 5% weightage (amount) of Accepted LS KW Based Quoted rate
B-5	PLC Scada instrumentation panel system with associated accessories with DC battery, battery charger and distribution panel.	Total 10% weightage (amount) of Accepted LS KW Based Quoted rate
	TOTAL	100%
	All Mechanical-Electrical Equipment shall have following three stages of payment viz. On completion of Supply, on completion of Erection / Installation & on completion of Testing & Commissioning as per weight age specified above.	
1	On Supply of Equipment at Site	75% of Weight age (Amount)
2	After Installation/Erection of Equipment	15% of Weight age (Amount)
3	After Successful Testing & Commissioning of Equipment (On Completion of Stipulated Trial Run)	10% of Weight age (Amount)
	Total	100%
7	VILLAGE LEVEL PUMPING MACHINERY	
a	On receipt of Equipment on site	75% of Quoted Rate
b	On erection/Installation/Connection	15% of Quoted Rate
c	On Successful testing Commissioning of equipment	10% of Quoted Rate
	Total	100%
8	WATER TREATMENT PLANT(CONVENTIONAL)	
(I)	Site survey and subsoil investigations	1% of Quoted rate
	Completion of field surveys and subsoil investigations and de-mobilization from site of survey team	25%
	Submission of surveys and soil investigation reports and acceptance by the Engineer	75%
	TOTAL	100%
(II)	Detailed designs and construction documents	2% of Quoted rate
	Substantial completion, submission and approval by the Engineer of the designs, drawings and construction documents for all major items of work	60%
	Submission and approval by the Engineer of the final designs and construction documents for all remaining and miscellaneous construction details and working drawings	40%
	TOTAL	100%
(III)	Inlet chamber	4% of Quoted rate

	Excavation	5.0%
	Works up to Ground Level	10.0%
	RCC works up to top including all supply and fixing of related materials	60%
	Finishing all surfaces including painting	15.0%
	Hydraulic test	5.0%
	Commissioning	5.0%
	TOTAL	100%
(IV)	Raw water channel from inlet chamber To flash mixer	2%
1	Excavation for supporting structure	5.0%
	Works up to G.L.	15.0%
	All RCC works including all supply and fixing of related materials upto floor level	30.0%
	Completion of all civil works including all supply and fixing of related materials	35.0%
	Hydraulic test	10.0%
	Commissioning	5.0%
	TOTAL	100%
V)	Flash Mixer	4 % Quoted rate
	Excavation	5.0%
	Works up to Ground Level	10.0%
	R.C.C. works up to top including all supply and fixing of related materials	60.0%
	Finishing all surfaces including painting	15.0%
	Hydraulic test	5.0%
	Commissioning	5.0%
	TOTAL	100%
VI)	Clariflocculator Works	20 % Quoted rate
	Excavation	5%
	RCC wall upto flooring including all supply and fixing of related materials	30%
	RCC wall upto 1st lift (50% of the design height)	5%
	RCC wall upto 2nd lift (100% of the design height)	10%
	RCC wall upto top including all supply and fixing of related materials	20%
	Remaining all works including all supply and fixing of related materials	15%
	Hydraulic testing of water retaining structures	5%
	Finishing of all surfaces and painting coating etc.	5%
	Commissioning	5%
	TOTAL	100%
VII)	RCC Channel from Clariflocculator to Filter Bed	5% Quoted rate
	RCC Works for floor slab including all supply and	40%

	fixing of related materials	
	Completion of all works and finishing all surfaces including painting, supply and fixing of related materials	50.0%
	Hydraulic test	5.0%
	Commissioning	5.0%
	TOTAL	100%
VIII)	Filtration Works	40% Quoted rate
	Excavation	5%
	RCC wall upto filter floor level including pure water channel floor slab	10%
	Up to operating platform	15%
	RCC wall upto top slab including all laboratory and other units	30%
	Completion of all the remaining works including back wash tank and related arrangements; all supply and fixing of related materials	30%
	Hydraulic testing/liquid retaining structures	5%
	Commissioning	5%
	TOTAL	100%
IV)	Chemical Works	15 % Quoted rate
	Excavation	5.0%
	RCC/Masonry work below plinth	15%
	RCC work upto 1st floor	30%
	RCC works upto roof slab	20.0%
	Completion of the remaining works including painting, finishing; supply and fixing of related materials	30%
	TOTAL	100%
X	Miscellaneous Works THESE WORKS INCLUDES By pass CI pipeline from Inlet chamber to clear water sump. CI pipeline from flash mixer to clariflocculator. Pure water CI pipeline from filter beds to clear water sump. Bye pass CI pipeline from clariflocculator to clear water sump. CI wash water pipeline from proposed wash water tank to filter beds. Wash water CI pipeline from filtration bed to Natural drain.	5% Quoted rate
XI	All other related and required works as directed Submission of As built drawings and training to staff	2% of Quoted rate
9	Valve chambers	

A	On completion works as per approved drawings	95% of Quoted rate
B	After commission of system	5% of Quoted rate
	Total	100%
10	Miscellaneous work	
A	All other items such as encasing, columns support for culvert, pipe bridges for Canal /Drain/Khadi crossing, internal roads, railway/highway crossing, Anchor/thrust blocks, steel bridge for pipe crossing, Construction of Compound Wall & Repairing and Renovation work etc.	80% of quoted rate on completion of works
B	On commissioning of the system	20% of quoted rate
	TOTAL	100%
11	Operation and Maintenance	
A	Every month/ quarter in equal instalment based on the estimated prices for O & M will be paid as per the schedule of Payment	For monthly payment: 1/12th of annual O&M prices for the year as per Price Schedule C as per terms and condition of the tender. For quarterly payment: 1/4th of annual O&M prices for the year as per Price Schedule C as per terms and condition of the tender.

Note: Any Changes to be made in all above Payment Schedule can be decided by Chief Engineer, Zone-4, Kachchh and it shall be binding to the contractor.