

**CONTRACT NO.**

**GUJARAT WATER SUPPLY & SEWERAGE BOARD GANDHINAGAR  
(GOVERNMENT OF GUJARAT UNDERTAKING)**



**Bid documents for “Supply, installation, testing and commissioning of VCB panel with required accessories at Rathadiya, Varnoli, Mahiji na Muvada and Karamadi Head Works, District: Vadodara under Different RWSS.”**

**VOLUME – III**

**PRICE BID (SCHEDULE B)**

**Name of Division:**  
Executive Engineer,  
P. H. Mechanical Division,  
Gujarat Water Supply & Sewerage Board,  
205-206, II Floor, JALBHAVAN, Geri Campus,  
Vadodara 380 007.

**C O N T E N T S****PRICE BID (SCHEDULES B)**

<b>Sr. No.</b>	<b>DESCRIPTION</b>
<b>1</b>	<b>PREAMBLE TO PRICE SCHEDULES</b>
<b>2</b>	<b>BID FORM (WITH PRICE)</b>
<b>3</b>	<b>PRICE SCHEDULE - A</b>
<b>4</b>	<b>PRICE BID (SCHEDULES – B)</b> <b>Break Up Cost of Bid documents for “Supply, installation, testing and commissioning of VCB panel with required accessories at Rathadiya, Varnoli, Mahiji na Muvada and Karamadi Head Works, District: Vadodara under Different RWSS.”</b>

### **PREAMBLE TO PRICE SCHEDULES**

1. This bid is lump sum bid for works of **“Supply, installation, testing and commissioning of VCB panel with required accessories at Rathadiya, Varnoli, Mahiji na Muvada and Karamadi Head Works, District: Vadodara under Different RWSS.”**
2. The rates and prices shall be submitted in the formats given in the enclosed Price Schedule for **SITC of HT panel with associated mechanical and electrical equipments, instruments and accessories** located at **Rathadiya, Varnoli, Mahiji na Muvada and Karamadi** pumping station specified. Rates and prices received in any other formats will be rejected and the Bids will be disqualified.
3. It will be entirely at the discretion of the Employer to accept or reject the Bidders’ proposal, without giving any reasons whatsoever and the Bidder shall not be permitted to withdraw his bid on this account.
4. In Price Schedule, Bidder shall quote his lump sum price for entire work. Price quoted in price schedule only will be considered & shall form a part of the Contract Agreement.
5. The wording in the item description is for subject matter guidance only; clause references are indicative only and all other relevant clauses shall also be referred to. The prices shall allow for all the works covered under the bid and all liabilities and contractual obligations whether separately specified or not. Items against which no prices are quoted shall not be separately paid for and the Bidder shall be deemed to have covered the cost of execution of such items (according to the requirements of the bid document) in the prices quoted for other items if any.
6. Items not specifically listed in this Price Schedule, but required to be executed for satisfactory working of the system as specified, will not be separately paid for by the GWSSB when executed and shall be deemed to be already covered by other items and rates listed in the price sheets and Lump sum prices quoted in Schedule.
7. Bidder shall quote their lump sum price for **SITC work** in price schedule. Prices shall be filled online only.
8. The rates shall be deemed to include any works and setting out that may be required to be carried out for carrying out of all the works involved.
9. Prices shall be entered in figures and in words. Where there is a discrepancy between the unit, rates and the amount entered, the later shall govern.
10. The price schedule is to be read in conjunction with the Conditions of Contract, the Specifications, data Sheets and other sections of these bid documents and these documents are to be taken as mutually explanatory of one another.
11. A) Bidder shall quote the price exclusive of GST, but inclusive of all other taxes and cess or levies or duties which shall not be paid extra. While GST will be paid for admissible part of actual work done at the approved tender rates and tender conditions. GST shall be paid as per prevailing rates at the time of payment. The TDS shall be deducted at source as per provision of IT rules and GWSSB policy.  
B) The rates should be quoted excusive of GST but inclusive of all other taxes as per Volume I (B), General Conditions of Contract, Clause No. 47.

Rates quoted are fixed and shall remain final for the entire period of Contract. No price escalation shall be considered on any account and no extra payment on this account will be made to the contractor.

12. The Bidder shall be deemed to have allowed in his price for provision, maintenance and final removal of all temporary works of whatsoever nature required for SITC of VCB panel & accessories including temporary approach etc. for the proper execution of works. The rates shall also be deemed to include any works and setting out that may be required to be carried out for smooth & uninterrupted execution all the works involved.
13. **Payment Terms:** Schedule of payment for various stages of works and release of retention money on account of defect liability is tabulated below.

	<b>All Equipment shall have following three stages of payment viz. On completion of Supply, on completion of Erection/Installation &amp; on completion of Testing &amp; Commissioning as per weightage specified above</b>	
<b>1</b>	<b>On Supply of Equipment at Site</b>	<b>75 % of Weightage (Amount)</b>
<b>2</b>	<b>After Installation/Erection of Equipment</b>	<b>15 % of Weightage (Amount)</b>
<b>3</b>	<b>After Successful Testing &amp; Commissioning of Equipment (On Completion of Stipulated Trial Run)</b>	<b>10 % of Weightage (Amount)</b>
		<b>Total: 100%</b>
	<b>Note: 5 % Amount towards defect liability of all above equipment (at every stage of payment) shall be withheld as defect liability which shall be released after a period of one year from the date of testing &amp; commissioning (inclusive of completion of stipulated trial period)</b>	

14. Payment shall be made as & when funds are made available by Head Office after adherence to department's fund requirement & procedure thereof. The GWSSB shall not under any circumstances relax these of terms of payment and will not consider any alternative payments terms. Bidders should therefore in their own interest note this provision.
15. **1% of the contract value of work will be deducted from the Running bill(s) on account of labour cess which is non-refundable.**
16. **Third Party Inspection and Factory Testing** of the major mechanical, electrical equipment & Instrumentation system such as **HT panel** shall be carried out by the designated third party inspection agency in the presence of GWSSB's representative (i.e. jointly) at manufacturers' works. Inspection charges shall be initially paid to the designated TPI as per accepted rates by GWSSB. Prior approval of rates shall be obtained by the Contractor from Executive Engineer, P. H. Mechanical Division, Vadodara. Subsequently the amount so paid shall be reimbursed to the contractor after providing relevant documents viz. receipt of

amount(s) paid along with inspection release note etc. as required by the Engineer-in-charge. Any expenditure incurred by inspection agency for the work misinformed by the Contractor and charges of inspection agency without any work due to misinformation shall not be reimbursed to the Contractor.

17. The Bidder should acquaint him with the pumping station site conditions including the access to concerned work site.
18. Contractor has to take over all the plants & machinery of pumping station in writing from concerned Engineer-in-charge after successful completion of trial run of pumping machinery with accessories. Detailed handed over/taken over notes shall be duly signed by the concerned Deputy Executive Engineer and the Contractor.
19. On completion of trial run period of **01 month**, the Contractor shall hand over all the equipment and machinery in proper & satisfactory working condition either directly to the Department and/or any other Contractor authorized by the Department and as advised. In case of any malfunctioning, the outgoing Contractor shall be intimated in writing and required repairing and/or replacement shall have to be made by the outgoing Contractor within a period of **maximum 5 days**. Only after completion of required repairs carried out to the satisfaction of the Engineer-in-charge the separate certificate shall be issued for satisfactory handing & taking over. Only after issue of this certificate from the Engineer-In-charge the amount of security deposit shall be released.
20. During the process of handing over, if the Contractor fails to repair/replace the malfunctioning equipment as intimated within 5 days or any reasonable time as decided by Engineer-in-charge, than the repairs/replacement shall be carried out at the "Risk and Cost" of the Contractor and the expenditure incurred for carrying out such repairs/replacements shall be deducted from the dues to the Contractor and/or recovered from the security deposit.
21. The Contractor shall have to pay the labour registration fee of required applicable amount Rs 25.00 per labour as per prevailing laws and also pay annual contribution of required applicable amount Rs. 75.00 to the Labour department of the Government of Gujarat.
22. Income Tax, Labour cess and any other tax/cess as per prevailing rules of the Government resolutions shall be deducted from bills payable to agency.
23. The rates to be quoted by the Bidder must include all kinds of taxes/levies/cess applicable to the work contained in price bid. No extra amount shall be paid to the agency on account of any such tax/cess/ levy by the Department.
24. The Contractor has to maintain cleanliness at all times during the currency of the contract. The Contractor must keep pumping station & the surrounding open areas clean at all times. Pumping station must be swept regularly by the helper engaged by the Contractor without any additional cost to the department. No amount of dirt, dust, refuge, leaves, garbage etc. shall be allowed either in the pump house or premises & adjoining surrounding areas. The Contractor has to ensure only minimum allowable leakages from pumps & valves. Under no circumstances leakages from expansion bellows or delivery pipe lines within the pump house shall be allowed.

25. **Shutdown:** For installation of **electrical equipment shutdown of maximum continuous 01 day** will be given & that is to be decided in consultation with Engineer-in-charge. However, timings & schedules of shut down shall be decided in advance by the Engineer-in-charge & Contractor has to strictly follow & adhere to the pre-decided schedule. Failing which liquidated damages of **Rs. 5,000.00 per day of delay** shall be recovered from the running bill (s) of the contractor.

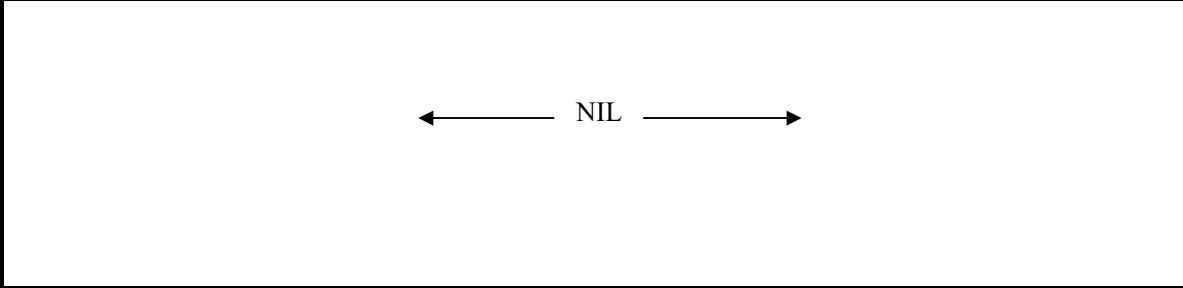
**Signature of Contractor**

**Executive Engineer  
P. H. Mechanical Division  
Vadodara**

**Gujarat Water Supply & Sewerage Board**  
**Public Health Mechanical Division, Vadodara.**

**Name of Work: “Supply, installation, testing and commissioning of VCB panel with required accessories at Rathadiya, Varnoli, Mahiji na Muvada and Karamadi Head Works, District: Vadodara under Different RWSS.”**

**SCHEDULE - A**

Sr. No.	Particulars	Quantity	Rate	Unit	Place of delivery
					

**Notes:**

- The persons or firm submitting the tender should see that the rates to the above schedule are filled up by the Executive Engineer before the issue of the form prior to the submission of the Tender.
- Carting of above materials shall be done by the contractor at his own cost.
- The materials shown in above schedule will be issued at free of cost. However, the contractor shall have to return the balance materials at department store at his own cost else recovery at double of the issue rate for such material will be effected in view of clause 12-A of the contract.

**Signature of Contractor**

**Executive Engineer**  
**P. H. Mechanical Division**  
**Vadodara**

**Gujarat Water Supply & Sewerage Board**  
**Public Health Mechanical Division, Vadodara**

Qty	Unit	Brief Description of Item	Estimated Rates (SOR)			Amount (Rs.)
			Supply	ITC	Total	
		<b>Item No. 1</b>				
1	Set	<b>11 kV HT VCB Panel:</b> Supply, installation, testing & commissioning both side extensible, Indoor type HV Switchgear panel comprising of <b>630 KVA vacuum circuit breaker for 01 No. of Incomer &amp; 02 Nos. of Outgoing Feeders for 11/0.433 Distribution Transformers</b> confirming to IS: 3427, IS: 2516 (Part I & II. Sec.1 ) & IEC 60056 & IEC 62271-100/200 for use on 3 phase, 50 Hz, unearthed AC supply system and having breaking/rupturing capacity of 500 MVA (26.3 kA for 3sec) complete with spring charged mechanism, ON-OFF mechanical push button, operation counters, Breaker TNC switch, Breaker L/R switch, necessary auxiliary switches, closing coil, shunt trip, protection relays & Indicators etc. complete. The panel shall comprise of air insulated busbars provided with heat shrinkable PVC sleeves. The VCB trolley shall comprise of three vacuum interrupters with epoxy support insulators and self aligning finger type isolating contacts and necessary mechanical interlocks, safety shutters, isolating plugs. Enclosure shall be openable from front as well as rear end. The breaker shall be Manual cum motorised mechanism with following accessories. a) 96 x 96 mm square flush mounting type Ammeter & Volt meter with selector switches, b) Multi function meter, c) Double core, cast resin type current transformer having ratio as per requirement, one core for metering & one core for protection having required class of accuracy, d) Instantaneous under voltage relay & Temperature rise tripping Relay, e) Triple pole IDMTL two over current and one earth fault relay with current setting range 50-200% and 10-40%, f) Electrical closing coil & shunt trip coil operating on 110 V DC, g) Auxiliary relay for anti pumping device, h) Three limb, drawout type, feeder connected, cast resin insulated, three phase potential transformer having ratio & burden as per requirement & class 0.5 accuracy, i) Annunciator Windows, Common Hooter/Alarm bell operating on 230 AC/110 V DC, j) Cable boxes suitable to terminate 3 core XLPE cable of required size (As per design), k) 230V AC to 110 V DC power pack for closing & tripping circuit common, l) Breaker ON-OFF, Auto trip and spring charged indicators, m) Phase indicating & panel illumination lamps with plug socket & n) Space Heater with Thermostat.	957396.00	33406.00	990802.00	990802.00
		<b>Item No. 2</b>				

1	LS Job	<b>Earthing:</b> Supplying & erecting earth pit of minimum bore dia.150mm size approved make Earthing Electrode consisting Pipe-in-Pipe Technology as per IS 3043-1987 made of corrosion free hot dipped G.I.Pipes having Outer pipe dia of 50mm having 80-200 Micron galvanising, Inner pipe dia of 25 mm having 200-250 Micron galvanising, connection terminal dia of 12mm with constant ohmic value surrounded by highly conductive compound with high charge dissipation suitable for following type of applications with chamber and heavy duty cover. (A)(approved make OEM has to submit test certificate including alue of earth  resistance of installation duly stamped and signed by agency and officer Incharge has to ensure the value of earthing resistane mentioned in test Certificate) & having back filling compound of (B) Inner chemical (CCM Compound)- Resistivity:- 00.2 ohm / meter testing as per IEC 62561-2017, Voltage drop:- < 1 volt at no load & dry form, Sulphar content:- <2%(C) Back fill Compound :- Earthing compound should be capable to retain moisture for long time Necessary test report must be submitted by Agency. (b)For Electrical installation up to 11 KV in normal soil. Length of Pipe :2.00 mtrs Back fling Compound :1 no. Bag of 25 Kg.	5629.66	323.73	5953.39	5953.39
		<b>Item No. 3</b>				
50	Kg	Providing and erecting required size HOT deep Galvanised iron strip for earthing of H.T., OCB ACB/ Transformer LT panel board, Motors etc, using proper clamp.	50.85	14.41	65.25	3262.71
		<b>Item No. 4</b>				
3	Each	Providing & fitting outdoor type heat shrink cable termination/jointing kits for 11 kV (UE) grade XLPE insulated cable including necessary earth connectivity connection, material & consummables making the termination/joint complete ensuring the joint resistance is within the permissble limit as per IS of following types & size 3 C X 150 sq. mm.	7943.00	850.00	8793.00	26379.00
		<b>Item No. 5</b>				
3	Each	Providing & fitting indoor type heat shrink cable termination/jointing kits for 11 kV (UE) grade XLPE insulated cable including necessary earth connectivity connection, material & consummables making the termination/joint complete ensuring the joint resistance is within the permissble limit as per IS of type & size 3 C X 150 sq. mm.	5394.00	850.00	6244.00	18732.00
		<b>Item No. 6</b>				
		<b>Cable:</b> supply, laying, testing & commissioning 11 / 11 kV (UE) 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-2) & IEC: 60502(Part-2)				
200	RMT	3 Core x 150 Sqmm (1 Run from GEB Meter to Transformer and Transformer to VCB Panel)	930.00	38.00	968.00	193600.00
		<b>Item No. 7</b>				

		<b>Cable Glands:</b> Supply, installation, testing & commissioning of heavy duty double compression type brass cable glands with brass washers & rubber ring for XLPE armoured cable of following sizes.				
4	No.	150 sq. mm.	448.00	0.00	448.00	1792.00
		<b>Item No. 8</b>				
		<b>Cable Lugs:</b> Supply, installation, testing & commissioning of crimping type heavy duty tubular type Aluminium/copper lugs suitable for XLPE armoured multistrand Aluminum conductor cable of following sizes.				
16	No.	150 sq. mm	16.00	0.00	16.00	256.00
<b>Total Rs.</b>						1240777.10
<u>.@Ratadiya + Varnoli + Mahi Ji Na Muvada + Karamadi = 4Nos</u>						<b>4963108.41</b>

**In Words Rs. Forty Nine Lac Sixty Three Thousand One hundred Eight and Forty one paisa Only.**

I / We am / are willing to carry out the work at \_\_\_\_\_% (in Figures) \_\_\_\_\_ (in Words) Above / Below the tendered estimated rates mentioned above. (Strike out below whichever is not applicable).

<b><u>OFFER FOR BELOW:</u></b>		<b><u>OFFER FOR ABOVE:</u></b>	
<b>Estimated Cost: Rs.</b>	<b>49,63,108.41</b>	<b>Estimated Cost: Rs.</b>	<b>49,63,108.41</b>
<b>Less _____% Deduct Rs.</b> _____.		<b>Above _____% Add Rs.</b> _____.	
<b>Net Amount (Figures) Rs.</b> _____.		<b>Net Amount (Figures) Rs.</b> _____.	
<b>Net Amount (In Words) Rs.</b>		<b>Net Amount (In Words) Rs.</b>	

Signature of Contractor

Executive Engineer  
P. H. Mechanical Division  
Vadodara