



KERALA WATER AUTHORITY

Jalabhavan
Thiruvananthapuram - 695033
Kerala - India

PROCEEDINGS OF THE MANAGING DIRECTOR

Sub:- Automation of Vertical Turbine pumps in Kerala Water Authority- Implementation of Phase 1 (Stage2), part under Rebuild Kerala Initiative - Supply, installation, trial run and commissioning of Control Module for remote operation of pumping stations - Sanction accorded - Reg

No: 6296/AE1(OPERATIONS)/2022/KWA

Dated: 19.04.2022

- Read:-
1. G.O.(Rt)No.74/2022/P&EA dated 03-03-2022.
 2. This office proceedings of even No. dated 15/03/2022, 23/03/2022, 30/03/2022 & 04-04-2022
 3. This office letter No. 11112/AE1(OPERATIONS)/2019/KWA dated 24/03/2021.

Vide read (3) cited above, proposals have been called from regional offices to submit the details of remaining pump houses that is to be automated. 402 submersible pumps and 416 VT pumps identified, and proposal placed for automation under Phase I (stage1 and 2) under RKI. Also gaps in the infrastructure i.e., reserve control module, facility for disinfection arrangements, surveillance etc has also been submitted in the proposal and the same approved.

Vide read (1) above, Government has accorded sanction for Phase 1 (Stage 1 & 2) of the Automation of pump houses of KWA at an estimated cost of Rs. 11.42 crore (Rupees Eleven crore and Forty-two lakh only) under the Rebuild Kerala Initiative. Vide proceedings dated 15-03-2022, 23-03-2022, 30-03-2022, and 04-04-2022 of read (3) cited above, sanction has been accorded for automation of 402 submersible pumps, purchase of Reserve Mobile Operated GSM Module/controller, disinfection dosing and surveillance mechanism of automated stations, for a total amount of Rs 3.9446crore, thus completing sanction of Phase 1, Stage 1 works.

Now proposal put up for Administrative Sanction for the automation of 416 no's Vertical Turbine pump, Phase 1, stage 2, which is shown in **Annexure I** below for an amount of ₹ 624,00,000/-. The total admissible amount for automation of Vertical Turbine is 1.5laks/Each (detailed specification is shown in **Annexure II**). It may be noted that the system should have 5-year warranty and should be clearly specified in bid documents. The communication platform should be universal and sample report log (fault and run) is also



attached in Annexure for ref.

Sample Bid document for custom bid in GeM is shown in **Annexure III** for reference. As the system is to be installed in higher capacity pumps, which are catering to a larger population, utmost care may be taken in ensuring safety of the system (pump and motor), while going for automation. The system should report error logs (format attached) and shall be capable of further integration with SCADA. The detailed specification attached herewith may be followed, and any site specific changes required may be incorporated accordingly. Modification may be made if required in the conditions of contract as the sample shown in Annexure is only for reference purpose.

Hence sanction is hereby accorded for automation of 416 no Vertical Turbine pumps for a total cost of Rs 624,00,000/- under budget provision H/A 5475-00-115-94-Post flood projects under Rebuild Kerala Initiative(P), as per GO(Rt) No. 74/2022/P&EA Thiruvananthapuram, Dated 03-03-2022. The Technical Sanction for the above may be given according to delegation of powers and the purchase may be effected immediately and claim may be submitted at the earliest. The following general guidelines are issued for strict compliance.

1. The work shall be completed by all respects before 31/10/2022.
2. The bills shall be raised as per the procedure prescribed for RKI and the expenditure regarding the project will be debited to the budget provision under H/A 5475-00- 115-94-Post flood Projects under Rebuild Kerala Initiative (P).
3. The estimate taken for AS (Rs. 1,50,000/- each) is the maximum allowable and shall not be exceeded.
4. The details of work to be entered in PASK and the progress to be updated on regular basis.
5. The Executive Engineers shall closely monitor the progress and ensure that the works are completed on time.

Sd/-

Venkatesapathy S. IAS
Managing Director

To

The Chief Engineer
Southern/Central/Northern Region
Kerala Water Authority
TVPM/Kochi/Kozhikkode.

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1. FM&CAO, All SEs/ALL EEs
2. EE to MD, AE to TM, PA to AM, DCE PIU 1,2,3,4/Secretary, AEE IT.

