

Government of West Bengal
Irrigation & Waterways Directorate
Office of the Superintending Engineer
Mechanical & Electrical Circle
"Jalasampad Bhavan" (6th floor)
Salt Lake City, Kolkata - 700 091.
Ph No 03323218430 e-Mail semeciwd2017@gmail.com

NOTICE INVITING EXPRESSION OF INTERESTS (EoI)

Request for expression of interest for "Supply, installation, testing, commissioning including trial run and one year successful operation and maintenance (with spares) of (water lubricated) vertical turbine mixed/Axial flow pump sets of five (5) nos 150 cusec & two (2) nos 50 cusec with allied electrical (HT & LT) and mechanical works including construction of 33 KV/6.6 KV and 33KV/0.415 KV Substation complete for the proposed 2nd Additional Uttarbhag Pumping Station at Uttarbhag, P.O. Brindakhali, P.S. Baruipur, Dist South 24 Parganas of West Bengal under Irrigation & Waterways Department, Govt. of West Bengal" is being invited by the Superintending Engineer, Mechanical & Electrical Circle, Irrigation & Waterways Directorate on behalf of the Governor of West Bengal from eligible and resourceful agencies having sufficient financial capability and credentials for execution of works of similar nature.

Issue of EoI documents :

The EoI documents can be downloaded from the departmental website www.wbiwd.gov.in

Submission of EoI :

The intending agencies should submit their EoI for the work as cited above in a sealed envelope super scribing on the top "**Supply, installation, testing, commissioning including trial run and one year successful operation and maintenance (with spares) of (water lubricated) vertical turbine mixed/Axial flow pump sets of five (5) nos 150 cusec & two (2) nos 50 cusec pump**" in the tender box to be available at the following offices:

1. Office of the Superintending Engineer, Mechanical & Electrical Circle, Jalasampad Bhavan (6th floor), Bidhannagar, Kolkata - 700091.
Or
2. Office of the Executive Engineer, Metropolitan Drainage Mechanical Division, Jalasampad Bhavan, (4th floor), Bidhannagar, Kolkata - 700091.

The intending agencies should submit their EoI in a tabular format duly mentioning Sl. No., Description of each item/work with detailed specifications including reputed manufacturers name where necessary, their quantities to be involved, Unit Rate and amount and other terms and conditions deem to be necessary with cumulative total amount. Rate and amount to be quoted should be legible and both in words and figure.

The quoted rates should be inclusive of all taxes/duties all complete.

GA Drawing, Electrical Single line diagram (S.L.D) of sub-station and pump house and lay out of sub-station is enclosed for ready reference of the EOI. In this connection it may be stated that the values as shown in S.L.D. may vary.

Intending agencies or their authorized representatives may remain present while opening of the sealed covers containing EoIs.

The Superintending Engineer, Mechanical & Electrical Circle., I & W Dte. reserves the right to accept or reject any or all EoIs without assigning any reason thereof.

Selection of appropriate specifications/terms and conditions of the items proposed by the intending agencies is entirely vested upon the Quotation-cum-Bid Evaluation Committee (QBEC) constituted by I & W Deptt. for the instant EoI and subsequent e-Request for Proposal (e-RFP)

Since, the Notice Inviting Expression of Interests (EoIs) is being made for subsequent e-RFP, no work order will be issued in favour of any agency against the EoIs.

The intending agencies are to submit their detailed proposal as per the tabular format mentioned earlier at their own costs and arrangements since, it is the process for formulation of E-RFP in subsequent phase. No payment whatsoever would be borne by I & W Deptt. for submission of EoIs.

The intending agencies should possess the following and self-attested copies of the same are to be submitted with the EoI.

- i) PAN card
- ii) Recent Professional Tax Payment Certificated (PTPC)
- iii) VAT Registration Certificate
- iv) Latest acknowledgement of I.T. return
- v) Trade license or similar document

Inspection of site and its premises before submission of EoIs :

Before submitting EoIs, the intending agencies should make themselves acquainted thoroughly with the exact requirement of works and details of existing civil installation/structures accompanied with the official/representative of the Executive Engineer, Metropolitan Drainage Mechanical Division, having its office at the 4th floor of Jalasampad Bhawan, Bidhannagar, Kolkata - 700091 (Mobile Nos. 9476155032) during any working day between 11.30 hours and 17.00 hours prior to the date of submission of proposal.

Pre Bid Meeting :

A pre bid meeting will be held at the office chamber of the Superintending Engineer, Mechanical & Electrical Circle. Interested agencies may attend the meeting for technical discussions.

EoIs so received in sealed covers will be opened in the chamber of the Superintending Engineer, Mechanical & Electrical Circle in presence of the intending agencies those who will be present at that time.

Schedule of Dates for EoIs :

Sl No.	Activity	Date & Time	Remarks
1	Publishing Date	23.05.2017	
2	E.o.I download start date	23.05.2017	
3	Pre Bid Meeting	01.06.2017 at 2.00P.M	
4	E.o.I submission start date	01.06.2017	
5	E.o.I download end date	20.06.2017	
6	E.o.I submission end date	21.06.2017	
7	E.o.I opening date	22.06.2017	

SCOPE OF WORK

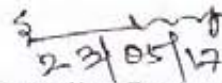
The scope of work includes Erection and Commissioning of aforesaid equipments in the Pucca Pump House, on the existing foundation without any modification. The pump set is to be installed in the existing sump and driven by a vertical solid shaft motor through coupling arrangement.

- i) Supply of 5 (five) nos. 150 Cusec capacity, 4.9m Meter Head, Vertical Turbine wet pit (Axial/Mixed flow) Pump (duty-S1) including C.I column pipes, C.I discharge tee, Additional C.I delivery pipe, C.I Bell Mouth, shaft enclosing tube, TBH, flap valve, A.R.V etc .
- ii) Supply of 2 (two) nos 50 Cusec capacity, 6.3m Meter Head, Vertical Turbine wet pit (Axial/Mixed flow) Pump (Duty-S1) including C.I column pipes, C.I discharge tee, Additional C.I delivery pipe, C.I Bell Mouth, shaft enclosing tube, TBH, flap valve, A.R.V etc.
- iii) Supply of suitable 5 (five) nos. 6.6 KV, HT Squirrel Cage Induction Motor I.P -55 (TEFC & S-1 duty) for above mentioned 150 cusec Pump with necessary Protection suitable for DOL starting with VCP/VCU.
- iv) Supply of suitable 2 (two) nos.415 V, LT Squirrel Cage Induction Motor (SPDP, IP-23 or TEFC, IP -55) for above mentioned 50 cusec Pump with necessary protection suitable for FASD type starting.
- v) Supply of suitable 5 (five) nos. 6.6 KV, HT Capacitor bank to improve the power factor upto and above 0.96 with necessary reactor, inductance coil, timer etc for above mentioned 150 Cusec Pump.
- vi) Supply of suitable 2 (two) nos 415V, LT Capacitor bank to improve the power factor upto and above 0.96 with necessary reactor, inductance coil, timer, etc for above mentioned 50Cusec Pump.
- vii) Supply of Suitable H.T (VCB) & L.T Panel for above mentioned 150 Cusec Pump & 50 Cusec Pump respectively.
- viii) Supply of suitable 2 nos. Submersible Pumps & 4 nos. centrifugal pump along with necessary pipe, fittings for above mentioned 150 Cusec Pump & 50 Cusec Pump for cooling & lubrication purpose, if necessary.
- ix) Supply of suitable capacity E.O.T crane which is required for installation & maintenance purpose.
- x) Supply of suitable M.S screen & gratings for above mentioned 150 Cusec Pump & 50 Cusec Pump.
- xi) Supply of suitable M.S floor gratings for above mentioned 150 Cusec Pump & 50 Cusec Pump.
- xii) Supply of 1 no. 5 ton chain pulley block including its arrangement for lifting of gratings and screen.
- xiii) SITC of 33KV Sub-station along with allied electrical works i.e ONAN transformer with off load tap changing arrangement(33KV/ 6.6 KV, 2000KVA - 2 nos, 33KV/0.433KV, 500KVA- 2 Nos., 33KV/0.433KV, 1000KVA- 01 Nos), HT breaker, L.T Breaker etc. to run the above 150 Cusec Pump & 50 Cusec Pump safely.
- xiv) Installation, Erection, testing and Commissioning of the above items (i) to (xii) & along with all allied mechanical & electrical works including supply of necessary spares completely to run the above 150 Cusec Pump & 50 Cusec Pump satisfactorily.
- xv) Cost for 2 (two) nos. Bore Hole construction which is required for forced lubrication/ cooling system.

- xvi) 3 (three) month trial run after satisfactorily commissioning of all above mentioned pumps along with 1 (one) year satisfactory operation along with maintenance (electrical & mechanical) including spares.
- xvii) Necessary Cabling AL/Cu Armoured (should be XLPE type) & illumination of sub-station, pump house & security lighting of the pump house compound.

N.B:

- i). Make should be of reputed manufacturer i.e Kirloskar, Jyoti, Wilo Mather & Platt, Sulzar, WPIL, ABB, KEC, Siemens, L&T, Schennider, Marathon, C.G.L,EPCOS, Unistar Gloster, CCI, NICCO, KSB, Calama, BE. & should be of in house production of the manufacturer.
- ii). H.I.S standard should be followed for calculating designing data.
- iii). All mechanical & electrical items should conforms relevant latest I.S Code & for electrical latest version of I.E Rules should be strictly followed.
- iv). Proper earthing for all equipments including sub-station along with every protection (including lightening arrester as necessary as applicable) and other protecting devices should be considered for the safety of all the electrical & mechanical equipments in the pump house as well as in the sub-station.


23/05/17
Superintending Engineer
Mechanical & Electrical Circle
Irrigation & Waterways Dte.

Memo No: 676(9)/1T-6

Dated:23.05.2017

Copy submitted for favours of kind information to :-

- 1) The Secretary to the Govt of West Bengal, I. & W. Directorate.
- 2) The Chief Engineer (South), I. & W. Directorate. Govt. of West Bengal
- 3) The Joint Secretary(Works) to the Govt of West Bengal, I. & W. Department
- 4) The Dy Secretary (Works) to the Govt of West Bengal, I. & W. Department.
- 5) The Superintending Engineer, Metropolitan Drainage Circle, I&W Dte.
- 6) The Superintending Engineer, Eastern Circle, I&W Dte.
- 7) The Superintending Engineer, Western Circle-I, I&W Dte
- 8) The Superintending Engineer, Greater Calcutta Drainage Circle, I&W Dte
- 9) The Superintending Engineer, Western Circle-II, I&W Dte

Sd/-
Superintending Engineer
Mechanical & Electrical Circle

Memo No: 676/1(3)/1T- 6

Dated:23.05.2017

Copy Forwarded for favours of kind information to :-

- 1) Executive Engineer, Metropolitan Drainage Mechanical Division for wide circulation.
- 2) The Director of information, department of Information & cultural Affairs,
NABANNA (9th Floor) 325, Sarat Chatterjee Road, Howrah - 711102 for wide circulation.
- 3) The Notice Board of Mechanical & Electrical Circle.

Sd/-
Superintending Engineer
Mechanical & Electrical Circle

