



OFFICE OF THE ADDL CHIEF ENGINEER (P&W)
SHREE SINGAJI THERMAL POWER PROJECT, M.P.P.G.C.L.
Dongalia , District KHANDWA- 450112 (M.P.)
Email ID- sepnw.sstpp1@gmail.com

No. 515-1700/SSTPP/MPPGCL/P&W/PT-3706/T-2025_MPPGC_467652/453

Dongalia dtd 17.04.2026

TENDER SPECIFICATION / SCHEDULE

SUBJECT: Procurement of portable dissolve oxygen meter-complete assembly for Chemistry lab
2x600 MW, Stage-I, SSTPP, MPPGCL.

The subject material is required as per the Technical Specification / schedule detailed here under:

Sr no	Item Description	Required Qty. (In Nos.)
1	Portable Dissolved Oxygen Meter-complete assembly	1

For detailed Technical specification please refer attached annexure-IA

Note:-

1. The estimated delivery period shall be within 8 to 10 weeks from date of issued order.
2. The proposed quantities are in complete order.
3. The Portable Dissolved Oxygen meter-complete assembly are interlinked with each other, hence for competitive rates; L-1 bidder can be evaluated on complete package basis.

Special Instructions: -

1. The instrument is to be installed, commissioned free of cost and proper performance as well as calibration is to be shown at SSTPP, MPPGCL Chemistry Laboratory and all features of the system are to be demonstrated through operation by supplier/ their authorized agent. For this all the reagents, solutions, spares & other things required will be brought by the demonstrator.
2. Demonstration training for safe operation of the instrument & trouble shooting is to be provided to MPPGCL chemistry laboratory staff after complete installation & commissioning of equipment.
3. Two years on – site warranty for smooth operation of instrument is to be provided by supplier/ their authorized agent from the date of commissioning of the instrument at site.
4. Supplier should have well – established maintenance support & service back up in India.
5. The bidder must quote for the main instrument and compulsory accessories mentioned in the tender document as a single offer and the bid will be evaluated on overall basis.
6. The bidder has to submit the technical compliance sheet of the product quoted/offered in respect to our tender document specifications.
7. Calibration of the instrument with standards is to be demonstrated by the successful bidder during installation at SSTPP, MPPGCL Chemistry laboratory.
8. Factory test certificate, Calibration Certificate and PQ, IQ &OQ certificate of the instrument is to be supplied by the successful bidder along with the supply of the main instrument.
9. LD Rate 0.50 % per week or part thereof for the portion executed / supplied beyond agreed delivery schedule.
10. LD Ceiling 10.00 % of PO Value.
11. Inspecting Authority: Indenting Dept (Chem.) & FQA, Jointly.
12. Manufacturer's Warranty Certificate in Original.
13. O&M/User Manual (Original): Two Copies.
14. Charger for charging the battery used in DO analyser.
15. Inspection Material: will be inspected at SSTPP, MPPGCL Stores.
16. Delivery Period: Within 8 to 10weeks after receipt of purchase order.
17. Certificate of country of origin (Charges for COC (if any) must be included in the quoted rate at the time of bidding.)
18. The instrument is to be supplied with calibration certificate.

19. Guarantee/Warranty-Warranty of 18 months from date of supply against manufacturing defects only; if any.

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(Er.M Kumar)
Superintending Engineer (Purchase)
SSTPP, MPPGCL, Dongalia

Technical Specifications of Portable Dissolved Oxygen Meter – Complete Assembly:

The instrument will be used for analysis of ppb level dissolved oxygen with comply to ASTM – D – 888 – 18 in steam water cycle, stator water and other water samples used in thermal power plants. Instruments should be portable in nature. Specifications of Portable Dissolved Oxygen Analyzer as below:

Range	:	0 to 2000 ppb
Accuracy	:	± 0.8 ppb or ±2 %
Resolution	:	0.6 ppb
Units	:	ppb, ppm, wt %, mg/L, O ₂ %, mbar and more
Temperature	:	-5 to 45 °C
Principle	:	Luminescent (optical) dissolved oxygen technology.
Power Supply	:	Internal rechargeable battery pack – Li – ion 46 Wh
Memory	:	Holds up to 5000measurements

- 8 hours of data at a sampling frequency of 5 seconds
- 96 hours of data at a sampling frequency of 1 minute

Pressure range	:	0 – 10 bar
Calibration range	:	Calibration

- Barometer calibration
- O₂ zero calibration
- O₂ high level adjustment

All accessories required for calibration of instruments is required to be supplied with the instruments.