

Technical Specification for Flame Photometer

Specification No. CCMLT/FP/2013/01

Rev No: 00

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General Requirement:

SL NO	PARAMETER	BHEL EPD SPECIFICATION
1	Item	Flame Photometer
2	Purpose	To measure sodium, potassium, lithium, calcium and barium in a solution.
3	Scope of Supply	Supply of flame photometer including air compressor, required accessories and software for quantitative analysis of sodium, potassium, lithium, barium and calcium and data capturing in a PC.
4	Qualifying Requirement:	A. Manufacturer / Principles of Original manufacturer should have supplied similar equipments in similar usage in industries / Institutions. B. Vendor shall provide performance certificate from one of the end user to demonstrate satisfactory operation of equipment or arrange a visit for BHEL-EPD to evaluate the performance of similar equipment at vendor's customer/client.
5	Warranty	One year warranty from the date of commissioning.
5	Technical Offer submission	Technical offer must be submitted as per the format of this technical specification with appropriate details for each parameter.

Specification Requirements:

SL NO	PARAMETER	BHEL EPD SPECIFICATION
6	Technical Specification for Flame photometer	<ol style="list-style-type: none"> 1. Item: Flame Photometer 2. Instrument type: Flame photometer with measurement provision of sodium, potassium, lithium, calcium and barium. 3. Limits of detection: Sodium: 0.01 ppm to 0.25 ppm Potassium: 0.01 ppm to 0.25 ppm, Vendor to provide details of limit of detection for other elements. 4. Interference filters: Sodium, potassium, lithium, calcium and barium 5. PC interface: The equipment should have provision to transfer the data to window based PC. The offer shall include necessary software for PC interface and data download to a PC. The configuration for PC and printer required may be specified and can be offered as optional item. 6. Fuel type: The equipment shall be compatible to LPG fuel. 7. Accessories & Power: The equipment shall be offered with all required accessories required to run it. Any exceptions may be mentioned in the offer. The equipment shall be compatible to <u>Indian power supply standards.</u> 8. Spares: Mandatory spares / Optional spares to be mentioned separately. 9. Calibration: Standard sample required for calibration shall be offered along with the equipment.

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