

### Bid Document

Bid Details	
Bid End Date/Time	20-07-2020 11:00:00
Bid Opening Date/Time	20-07-2020 11:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	30 (Days)
Ministry/State Name	Ministry Of Defence
Department Name	Department Of Defence Reseach & Development
Organisation Name	Office Of Dg (Is)
Office Name	*****
Total Quantity	1
Item Category	power quality analyzers
Bidder Turnover (Last 3 Years)	1 Lakh (s)
OEM Average Turnover (Last 3 Years)	1 Lakh (s)
Experience Criteria	2 Year (s)
MSE Exemption for Turnover	Yes
Startup Exemption for Turnover	Yes
Document required from seller	Experience Criteria,Past Performance,Bidder Turnover,OEM Authorization Certificate,OEM Annual Turnover *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer
Past Performance	10 %
Bid to RA enabled	No
Inspection Required	No

### EMD Detail

Required	No
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### ePBG Detail

Required	No
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### Splitting

Bid splitting not applied.

1. Experience Criteria: In respect of the filter applied for experience criteria, the Bidder or its OEM {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU / Public Listed Company for number of years as indicated in the bid document before the bid opening date. Copies of relevant contracts to be submitted along with bid in support of having supplied some quantity during each of the year. In case of bunch bids, the category of primary product having highest value should meet this criterion.

2. OEM Turn Over Criteria: The minimum average annual financial turnover of the OEM of the offered product during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the OEM is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.

3. Past Performance: The Bidder or its OEM {themselves or through re-seller(s)} should have supplied same or similar Category Products for 10% of bid quantity, in at least one of the last three years before the bid opening date to any Central / State Govt Organization / PSU / Public Listed Company. Copies of relevant contracts (proving supply of cumulative order quantity in any one year) to be submitted along with bid in support of quantity supplied in the relevant year. In case of bunch bids, the category related to primary product having highest bid value should meet this criterion.

## Power Quality Analyzers ( 1 pieces )

### Technical Specifications

[\\* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
PERFORMANCE FEATURES	<b>Type of Power analyzer</b>	Single phase	Single phase
	<b>Number of Current Channels (Nos.)</b>	1	1
	<b>Number of Voltage Channels</b>	1	1
	<b>Measurable voltage range</b>	1000	1000.0
	<b>Measurable voltage accuracy</b>	1	1.0
	<b>Measurable voltage resolution</b>	0.1	0.1
	<b>Measurable current range (with clamp)</b>	2000	2000.0
	<b>Measurable current</b>	±1	±1

MEASUREMENT FEATURES	<b>accuracy (%)</b>		
	<b>Measurable current resolution</b>	0.1	0.1
	<b>Maximum power that can be measured (KW)</b>	400	400.0
	<b>Power Accuracy (%)</b>	±2.5	±2.5
	<b>Power resolution</b>	1	1.0
	Facility to Measure Frequency	Available	*
	Frequency range that can be measured	40-65 Hz	*
	Facility to Measure Inter harmonics	Not-Available	*
	Order(n) to which Facility to Measure Harmonics available	upto 30th	*
	Facility to Measure Power Factor	Available	*
	Accuracy in measurement of Power Factor (%)	0.5	*
	Facility to Measure Distortion Factor	Available	*
	Accuracy in measurement of Distortion Factor (%)	3	*
	Facility to Measure Ripple Factor	Available	*
	Accuracy in measurement of Ripple Factor (%)	4	*
	Facility to Measure crest factor	Available	*
	Measurable crest factor range	1 TO 5	*
	Measurable crest factor accuracy (%)	2	*
	Measurable crest factor resolution	0.01	*
	Facility to Measure sag(dips) and swell(surge)	Not-Available	*
	Pattern of measurement of sag(dips) and swell(surge)	NA	*

	Facility to Measure Total Harmonic distortion	Available	*
	Accuracy in measurement of Total Harmonics distortion	3	*
	Facility to Measure voltage and current unbalance	NA	*
	Facility to Measure inrush current	Available	*
	Facility to Measure flicker	Not-Available	*
DISPLAY	Display type	LCD Backlit	*
	Display Mode	Waveform,Meter Reading,Bar graph,digital reading	*
GENERAL FEATURES	Facility to Measure RMS Voltage	Available	*
	Facility to Measure RMS Current	Available	*
	Facility to Measure Active, Reactive and Apparent Power	Available	*
	Facility to Measure Active, Reactive and Apparent Energy	Available	*
GENERIC	Data transfer software provided for analysis on PC	Yes	*
	Provision for external SD Card	no	*
	Interface	USB	*
	Internal Memory (GB)	1	*
	Weight of the analyser	0.82	*
	other features	-	*
POWER SOURCE/BATTERY	Power Supply	Battery operated,230 V AC +/- 10%,50Hz	*
	If battery operated, chemistry of the rechargeable battery	NA	*
	Voltage of rechargeable Battery	-	*
	capacity of rechargeable battery (milli AH)	-	*

	Suitable charger / adaptor provided	NA	*
	Battery backup (hours)	8	*
OPERATING CONDITION	Minimum Operating Temperature	0	*
	Maximum Operating Temperature	50	*
	Operating Humidity (%)	80	*
ACCESSORIES	Details of All connecting Cables and accessories to be supplied along with the Analyser	-	*
SAFETY	Compliance to IEC 61000-4-30	Yes	*
	Category of safety rating	Category IV 600 V of IEC 61010	*
TEST REPORT DETAILS & TESTS	The equipment supplied with calibration certificate	yes	*
	conformity to Dry Heat for 16 hours at a specified maximum temp in accordance with IS:9000/part-3/section-5/1977 latest	no	*
	conformity to Cold Test for 4 hours at a specified minimum temp in accordance with IS:9000/part-2/section-4/1977 latest	no	*
	conformity to Damp Heat (Cyclic)Test for 2 Cycles of 24 h each at a temperature of 40 degree C & 95% RH	no	*
	Availability of Test Reports from Central Govt/NABL approved/ILAC accredited lab to prove conformity to the specification	no	*
	Test Report Number and date	-	*
	Name and address of the Lab	-	*

\* Specifications highlighted in bold are the Golden Parameters.

\* Bidders may note that In respect of non-golden Parameters, the specifications 'Values' chosen by Buyer will generally be preferred over 'Bid requirement ( allowed Values) by the Buyer.

#### **Additional Specification Documents**

#### **Consignees/Reporting Officer and Quantity**

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	*****	*****Mysuru	1	30

#### **Bid Specific Additional Terms and Conditions**

1. IMPORTED PRODUCTS: In case of imported products, OEM or Authorized Seller of OEM should have a registered office in India to provide after sales service support in India. The certificate to this effect should be submitted.

[This Bid is also governed by the General Terms and Conditions](#)

**---Thank You---**