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**An Aided Institute of Department of Atomic Energy,  
 Government of India**



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## ENQUIRY

ENQUIRY NO : IPR/EQF/18-19/096  
 Date : 26-07-2018

**Due on : 30-08-2018 by 1:00 PM IST**

Please send your offer in sealed envelope specifying Enquiry No, Date & Due Date, ALONG WITH your credentials for the following items which we are interested to import directly against Foreign Trade Policy 2015-2020.

### Important Note:

Please note that e-mail quotations are not acceptable however you may send your queries (if any) to [importpurchase@ipr.res.in](mailto:importpurchase@ipr.res.in)

Please ensure your sealed quotation reaches this office not later than above mentioned due date and time.

Kindly go through the following documents properly before quoting which are available on the IPR web portal i.e., [http://www.ipr.res.in/documents/tender\\_terms.html](http://www.ipr.res.in/documents/tender_terms.html) / attached herewith.

- 1) Instructions to the bidders & Terms and conditions (refer Form No: IPR-FP-01.V3)
- 2) Bidding format

**GST for Goods and Services (IGST/CGST/SGST TAX BENEFITS):** Please refer clause no: 14 of Form No: IPR-FP-01.V3

### QUOTATION SHOULD BE ADDRESSED TO PURCHASE OFFICER ONLY

Sr No	Description	Quantity
1	portable Electromagnetic radiation meter	1.0 No

Note: Please quote with complete technical details (Technical compliance sheet and product data sheet).

Encl: Refer attached sheet for detailed technical specification.

Sd/-

Mr. D. Ramesh  
 Purchase Officer-II

**Information to Vendors:** We are working towards a single platform for our future requirement. Hence, please refer IPR website i.e., <http://www.ipr.res.in/documents/tenderseng.html> for our future requirement.

## Portable electromagnetic radiation meter

Frequency range	300 kHz to 100 MHz.
Sensor	Tri-Axial sensors should be integrated into probe to measure E and H fields simultaneously.
Display	E field or H-field or power density
Units	mW/cm <sup>2</sup> , W/m <sup>2</sup> , V/m, A/m.
Result	Actual, Maximum, Average, Spatial average.
Readout mode	Combined
Refresh rate	400 ms
Freeze/hold button to hold the current displayed reading	Should be available
Display screen -transflective LCD	Should be available
Zeroing facility	Should be available
E field measurement range	(0.2-100 )mW/cm <sup>2</sup> or better
H-field measurement range	(0.2-200) mW/cm <sup>2</sup> or better
CW damage level	50 W/cm <sup>2</sup> or better
Flatness of frequency response for  E-Field and H field	0 dB at 13.56 MHz.  ±1.5 dB over 300 KHz to 100 MHz.
Linearity	±1 dB ( 0.5-2) mW/cm <sup>2</sup> ±0.5 dB (2-100)mW/cm <sup>2</sup>
Calibration frequencies	13.56 and 27.12 MHz and one frequency close to 100 MHz
Battery (Rechargeable) facility	Should be available
Operating temperature	Up to 50°C
Power supply	240V AC

**Note: Detailed technical specification sheet should be provided along with quotation.**

**Vendor should fill the exact value or range against each specification. Pl. do not write confirm/OK against the specification.**

**Calibration certificate shall be provided along with delivery.**

## Compliance sheet

Frequency range	300 kHz to 100 MHz.	Party's name (party should fill the value against the specification)
Sensor	Tri-Axial sensors should be integrated into probe to measure E and H fields simultaneously.	
Display	E field or H-field or power density	
Units	mW/cm <sup>2</sup> , W/m <sup>2</sup> , V/m, A/m.	
Result	Actual, Maximum, Average, Spatial average.	
Readout mode	Combined	
Refresh rate	400 ms	
Freeze/hold button to hold the current displayed reading	Should be available	
Display screen -transflective LCD	Should be available	
Zeroing facility	Should be available	
E field measurement range	(0.2-100 )mW/cm <sup>2</sup> or better	
H-field measurement range	(0.2-200) mW/cm <sup>2</sup> or better	
CW damage level	50 W/cm <sup>2</sup> or better	
Flatness of frequency response for  E-Field and H field	0 dB at 13.56 MHz.  ±1.5 dB over 300 KHz to 100 MHz.	
Linearity	±1 dB ( 0.5-2) mW/cm <sup>2</sup> ±0.5 dB (2-100)mW/cm <sup>2</sup>	
Calibration frequencies	13.56 and 27.12 MHz and one frequency close to 100 MHz	
Battery (Rechargeable) facility	Should be available	
Operating temperature	Up to 50°C	
Power supply	240V AC	

Note : pl. do not fill 'OK', 'confirm' etc against specification. pl. give the value.

**Date :**

**Bidder's Sign and Stamp**