

GNIT - E-Tender No. 02 (AS)/2016 for Purchase of 130 Nos. of Personal Radiation Detectors (PRDs) and 26 Nos. of Radionuclide Identification Devices (RIDs)
Minutes and clarifications of pre-bid conference held on 05.07.2016

Subject: Pre-Bid conference in respect of E-Tender No. 02(AS)/2016 dated 06.06.2016 issued by Directorate of Logistics, CBEC for purchase of 130 PRDs & 26 RIDs

Venue: Conference Room, LPAI, 1st Floor, Lok Nayak Bhawan, New Delhi

Date and time: 05.07.2016& 11:00 hours

A Pre-bid conference was held on 05.07.2016 at 1100 hrs. in the conference room of Land Port Authority of India, 1st Floor, Lok Nayak Bhawan, Khan Market, New Delhi to provide clarifications on the queries raised by the prospective tenderers pertaining to E-Tender No 02(AS)/2016 dated 06.06.2016 for procurement of 130 Nos. of Personal Radiation Detectors (PRDs) and 26 Nos. of Radionuclide Identification Devices (RIDs) issued by this Directorate. The Pre-bid conference was chaired by Shri Sandeep Prakash, Commissioner, Directorate of Logistics and the following officials / participants attended the meeting:

Sl. No.	Name (Sh./Ms)	Organization
1.	V.K. Ahirwar	Assistant Commissioner, Directorate of Logistics
2.	D. S. Rana	Consultant, Directorate of Logistics
3.	Swarnali Roy	Superintendent, Directorate of Logistics
4.	Ankur Bhagoliwal	Morpho Detection
5.	Vikas Chaddha	Max Infocom
6.	S.K. De	Measurement Solution Pvt. Ltd.
7.	Sachin Killekar	ThermoFisher
8.	V.K. Panday	International Env't. Cons. (Flir Instruments)
9.	D.S. Rana	International Env't. Cons. (Flir Instruments)
10.	Geeta Sharma	Electronic Enterprises Pvt. Ltd.

2. Commissioner (Logistics) welcomed all the participants and requested them to introduce themselves. He informed that as per clause 9.1 of Section II of Tender document prospective tenderers seeking clarification on the tender document were required to submit their queries online by 28.06.2016, upto 1500 hrs. Queries received would be answered in the pre-bid conference. It was informed to the participants that no firm have been found to upload online queries on www.eprocure.gov.in till 1500 hrs. on 28.06.2016.

3. The following firms have sought clarifications through off-line mode till 28.6.16:

- i) M/s. Electronic Enterprises (India) Pvt. Ltd
- ii) M/s. Morpho Detection LLC
- iii) M/s. Thermofisher Scientific India Pvt. Ltd

4. All the queries received till 28.06.2016 are tabulated and replied-to below. In view of the clarification provided, the following tender conditions stand modified/deleted to the extent mentioned:

- (i) Clause 2, Section-IV stand amended to four (4) months instead of three (3) months i.e. "PRDs & RIDs should be supplied, installed and commissioned within four months from the date of award of order."
- (ii) In Clause 4.2, Section-V, referencing documents: ANSI N 42.34-2006 "Performance criteria for hand-held instruments for detection & identification of radionuclides" stand amended to ANSI N42.32 "Performance Criteria for Alarming Personal Radiation Detectors".
- (iii) In clause 12.2 of Section IV the sentence "The item wise cost of the Comprehensive list of spares shall be enclosed in the price bid as per Price schedule (Supply of spare) Part IV of Section VIII" stands deleted.
- (iv) Revised 'Price Schedule' (Section-VIII) to facilitate submitting the prices in foreign currency is annexed herewith.

Contd.

SECTION - VIII

PART - I : PRICE SCHEDULE FOR PRD

S. NO.	DETAIL OF COST	UNIT PRICE	
		Foreign Currency	Indian Rupee
1	Cost of one PRD for delivery at the place of installation (including insurance and freight) in Rs. or any freely convertible currency (indicate the currency)		
2	Installation and Commissioning charges, if any, (chargeable to service Tax & E. Cess), Rs.		
3	Customs Duty, Rs.		
4	Excise Duty, Rs.		
5	Service Tax & E. Cess, Rs.		
6	Commission of the Indian agent, if any, to be paid by the supplier, Rs.		
7	Any other taxes, Rs. (Please specify)		
8	Total Price of the one PRD, (Rs. or Rs.+ freely convertible currency)		
9	Grand Total [Total price of PRDs x 130 Nos.] (Rs. or Rs.+ freely convertible currency)		

PART - II : CCAMC FOR PRD

Year of CAMC	Cost of CAMC per PRD (Rs.)	Service Tax/ Edu. Cess (Rs.)	Cost of CAMC of one PRD (Rs.)	Total cost of CAMC of 130 PRDs (Rs.)
A	B	C	D=B+C	E=Dx130
First Year (after two years warranty period)				
Second Year				
Third Year				
Fourth Year				
Fifth Year				
GRAND TOTAL				

NOTE:

1. Comprehensive Annual maintenance charges for each category of instrument for the period of five years are to be mentioned above.

PART - III : PRICE SCHEDULE FOR RID

S. NO.	DETAIL OF COST	UNIT PRICE	
		Foreign Currency	Indian Rupee
1	Cost of one RID for delivery at the place of installation (including insurance and freight) in Rs. or any freely convertible currency (indicate the currency)		
2	Installation and Commissioning charges, if any, (chargeable to service Tax & E. Cess), Rs.		
3	Customs Duty, Rs.		
4	Excise Duty, Rs.		
5	Service Tax / E. Cess, Rs.		
6	Commission of the Indian agent, if any, to be paid by the supplier, Rs.		
7	Any other taxes, Rs. (Please specify)		
8	Total Price of the one RID, (Rs. or Rs.+ freely convertible currency)		
9	Grand Total [Total price of RIDs x 26 Nos.] (Rs. or Rs.+ freely convertible currency)		

PART - IV : CCAMC FOR RID

Year of CAMC	Cost of CAMC per RID (Rs.)	Service Tax/ Edu. Cess (Rs.)	Cost of CAMC of one RID (Rs.)	Total cost of CAMC of 26 RIDs (Rs.)
A	B	C	D=B+C	E=Dx130
First Year (after two years warranty period)				
Second Year				
Third Year				
Fourth Year				
Fifth Year				
	GRAND TOTAL			

NOTE:

1. Comprehensive Annual maintenance charges for each category of instrument for the period of five years are to be mentioned above.

NIT - E-Tender No. 02(AS)/2016
Purchase of 130 Personal Radiation Detectors & 26 Radionuclide Identification Devices
Clarifications to pre-bid queries in the meeting held on 05.07.2016

Off-line query received for pre-bid conference

Sl. No	Tender Clause & Page No.	Tender requirement	Query of the Firm	Response of DOL
I. ELECTRONIC ENTERPRISES (INDIA) PVT. LTD.				
<u>Commercial</u>				
1.	--	--	Can we offer two options?	The product meeting the tender requirements and technical specifications will only be considered.
2.	Clause 8.4, Section IV Page 37	Instrument calibration: On-site calibration will be preferred. However, in case the PRDs & RIDs need to be taken out of the site of installation for calibration, the supplier shall replace these with another set of PRDs & RIDs for the interim period of calibration, so that the work of Customs is in no way affected.	Calibration at Site: Tender requires calibration at site which requires a set-up which includes a radioactive source. Such facility also requires necessary permission from AERB in case these basic facilities are provided at every site then only calibration at site is possible.	Requirement under Para 8.4, Section-IV is amply clear.
3.	Clause 14.1 Section II	Earnest Money Deposit (EMD) The earnest money is required to protect the	EMD: According to our estimate earnest money for PRD is quite high. Ministry of	EMD amount is based on the guidelines provided by

	Page 14	Purchaser against the Tenderer's withdrawing or altering its bid during the validity period and it shall be of Rs. 56 lakhs (Rupees fifty six lakhs), [Rs. 46 lakhs in case the quotation is only for PRDs and Rs. 10 lakhs in case the quotation is only for RIDs].	finance guidelines clearly mentions that it should be in the range of 2 to 5%. We request you to review and suitably reduce this EMD.	Ministry of Finance. Tender condition prevails.
4.	Clause 14.2 Section II Page 15	Tenderers who are currently registered and, also, will continue to remain registered during the tender validity period with Directorate General of Supplies & Disposals or with National Small Industries Corporation, New Delhi are exempted from payment of earnest money. In case the tenderer falls in these categories, they should furnish certified copy of its valid registration details (with DGS&D or NSIC, as the case may be).	Further we want to draw your attention that instruments required are radiation monitors. One of the major customers is Department of Atomic energy. We request you to consider registration with that department (DPS registration) for exemption in submitting EMD.	As per the existing government procedure, only the tenderers registered with DGS&D and NSIC are exempt from payment of EMD, provided the tendered goods fall under the category of registration. Tender condition prevails.
5.	Clause 9.1 Section IV Page 37	Warranty Maintenance: During warranty period, the Maintenance Contractor shall set right the instruments immediately on receipt of complaint within the time period of 48 hours.	Servicing Period: The instruments of this nature cannot be serviced within 48 hours. You have 26 locations. In case of problem reported we can send the standby unit within in a 2 weeks and we will arrange to collect the defective unit.	Radiation survey instruments are required to be in continuous use. If maintenance is not possible in 48 hrs., replacement unit, duly calibrated, should be provided within this period. Tender condition prevails.
6.	Clause 21 Section-III Page 28	Terms and Mode of Payment	Payment terms: Considering 26 locations please clarify how 90% payment will be released and what is the time frame. Since your term also mentions pre dispatch inspection we request you to consider 90%	Terms & mode of payment remain unchanged. Pro-rata payment for the number of units supplied could be considered, in the sole

			payment against proof of delivery at respective sites.	discretion of the purchaser, depending on the performance of the Supplier and supply status etc.
7.	Clause 2 Section IV Page 35	Delivery Schedule PRDs & RIDs should be supplied, installed and commissioned within three months from the date of award of order.	Delivery Period: Delivery period seems very short considering the quantity and installation at 26 locations. We request you to extend this to six months from date of ordering.	Considering the explanation provided by the firm, delivery period prescribed in section IV, clause 2 of the Tender is amended to 4 months instead of 3 months.
8.	Clause 4.2 Section V Page 42	Referencing documents a) Should generally meet the requirements as specified in ANSI N 42.34-2006 "Performance criteria for hand-held instruments for detection & identification of radionuclides".	This is ANSI standard for RIDs and not for PRDs. The tendering organization should clarify which standard is applicable (e.g. ANSI N 42.32 (standard for PRD) and /or ANSI N 42.33 (standard for search instruments).	Considering the explanation provided by the firm, ANSI N42.32 "Performance Criteria for Alarming Personal Radiation Detectors" may be referred in case of PRDs.
9.	Clause 4.4 (iii) Section V Page 42	Sensitivity to gamma radiation: 1) At a mean indication of 0.2 μ Sv h ⁻¹ an alarm should be triggered when the dose rate is increased by 0.05 μ Sv h ⁻¹ for a period of 1 sec. (should be tested with 241Am, 137Cs and 60Co).	The instrument's mean time to alarm shall be no more than 2 seconds once the radiation intensity at the instrument's Reference Point is increased by 50 mR H-1 (0.5 mGy h-1) in a period of not more than 0.5 seconds. The test will be conducted at 3 different ambient background levels of 20, 60 and 100 mR h-1 (0.2, 0.6 and 0.1 mGy h-1) using each of the Reference Photon Radiations listed in Table 1.	Query is not clear. Technical requirement stays.

10	Clause 5.5.2 Section V Page 47	<p>Sensitivity to gamma radiation in search mode:</p> <p>a) To find radioactive sources, even when they are shielded or located some distance from the instrument, a selectable acoustic gamma alarm signal must be triggered when the ambient dose equivalent rate is increased by $0.05 \mu\text{Sv h}^{-1}$ at the detector reference point for the duration of 1 s above standard background.</p> <p>b) Probability of triggering this alarm is to be better than 90%.</p> <p>c) Should fulfil these performance characteristics in a gamma energy range from 30 keV to 1.33 MeV.</p>	<p>The PRD must trigger a gamma alarm when a gamma source producing a dose rate of $0.5 \mu\text{Sv h}^{-1}$ ($\pm 30\%$) at the reference point of the detector is passed through with a speed of 0.5 m s^{-1} in standard background conditions. This requirement must be fulfilled in the continuous gamma ray energy range from 60 KeV to 1.33 MeV. The tender requirements are far higher than in the reference standards for PRD. Even comparing the specifications for PRD and RID in this tender, the sensitivity requirement for PRD is much more demanding than for RID. This has to be clarified.</p>	<p>Requirement pertains to RID and not to PRD. Tender requirement stays.</p>
11.	Clause 4.4 (vi) Section V Page 43	<p>vi) Alarm settings Should provide adjustable threshold levels for the alarm and should be capable of compensating for background change.</p>	<p>Please clarify how many adjustable threshold levels are required (one?, two?,.....)</p>	<p>Natural background technique should be used for threshold adjustment.</p>
12.	Clause 4.4 (x) Section V Page 43	<p>x) Range of measurement The effective gamma-ray response range of the instrument should be from 25 keV to 3 MeV.</p>	<p>Please clarify this energy range. This is the requirement for RIDs and not for PRDs according to the standards.</p>	<p>Range of measurement is required for any instrument. It may be taken as 30 KeV to 3 MeV for gamma-rays.</p>
13.	Clause 4.5 Section V Page 43	<p>a) The instruments shall be tested/demonstrated for compliance of the features mentioned.</p>	<p>Please clarify whether internal tests reports are accepted or the instruments have to be tested by third parties.</p>	<p>Relevant testing certificates from original equipment manufacturer (OEM) may be provided. A certificate from the competent organisation on calibration standards used also needs to be provided [Ref.</p>

				Clause 3 (x-d), Section-V]
14.	Clause 5.3 Section V Page 44	Characteristics : The instruments shall be tested/ demonstrated for compliance of the features, characteristics & specifications mentioned herein.	Please clarify whether internal tests reports are accepted or the instruments have to be tested by third parties.	Relevant testing certificates from original equipment manufacturer (OEM) may be provided. A certificate from the competent organisation on calibration standards used also needs to be provided [(Ref. Clause 3 (x-d), Section-V)].
15.	Clause 5.4.6 Section V Page 46	Spectrometer amplifier/ MCA requirements: a) At least 1000 analog to digital conversion (ADC) channels, energy range 25 - 3000 keV;	Please clarify the gamma energy range: In 5.4.6. a) is stated: At least 1000 analog to digital conversion (ADC) channels, energy range 25 - 3000 KeV In 5.5.1. is stated: The gamma energy range will extend from 30 KeV (¹³⁷ Cs X rays detectable) to 3 MeV. In 5.5.2. is stated: c) Should fulfill these performance characteristics in a gamma energy range from 30 keV to 1.33 MeV.	It may be noted that gamma energy ranges for different conditions of operation and for spectrometer. Under 5.4.6, energy range for Spectrometer amplifier/ MCA is specified as 25 keV to 3000 keV. Gamma energy range for instrument should be from 30keV to 3000 keV, as in 5.5.1. In search mode, under 5.5.2, the performance characteristics should be in gamma energy range of 30keV to 1.33 MeV. Thus, tender requirement stays.
	Clause 5.5.1 Section V Page 47	Gamma energy range: The gamma energy range will extend from 30 keV (¹³⁷ Cs X rays detectable) to 3 MeV.		
	Clause 5.5.2 Section V	Sensitivity to gamma radiation in search mode: c) Should fulfill these performance characteristics in a gamma energy range from 30 keV to 1.33 MeV.		

	Page 47			
16.	Clause 21 Section III Pg 28	Terms & Mode of Payment:	Terms & Mode of Payment: We would request you to kindly accept following Payment Terms: (a) For Offer in Foreign Exchange (FE) for Instrument Cost:	Tender requirement in regard to `Terms & Mode of Payment' remains unaltered.
		21.3 The payment in foreign currency shall be made through Direct Bank Transfer (DBT) in the quoted currency. The rate of exchange shall be the rate on the day of release of payment.	i. 90% Payment towards Instruments Cost in FE against Irrevocable Letter of Credit on sight.	
		21.1 On payment of Taxes & Duties 100% Taxes and Duties on submission of Document showing proof of payment of taxes & duties on PRDs & RIDs, duly attested by the appropriate authority	ii. 100% Payment towards Taxes & Duties like Customs duty etc., in INR within 15 days of submission of document showing proof of payment of taxes & duties on PRDs & RIDs, duly attested by the appropriate authority.	
		21.1 On completion of Delivery payment of balance 10% of the Basic cost of the PRDs & RIDs + other charges, if any on submission of 1. Supplier's commercial invoice in quadruplicate. 2. Delivery & Acceptance Certificate as per Form-8 of Section XI. 3. Bank Guarantee equivalent to balance	iii. Balance 10% payment in FE towards Instrument cost within 15 days on completion of delivery, that is : 1. Submission of Supplier's commercial invoice in quadruplicate. 2. Delivery & Acceptance Certificate as per Form-8 of Section XI. 3. Bank Guarantee equivalent to balance 10% of amount in the Proforma given is	

		10% of amount in the Proforma given in Section XI.	Section XI.	
		<p>1. On Installation of PRDs & RIDs payment of 90% of the Basic cost of the PRDs & RIDs on submission of</p> <p>1) Supplier's commercial invoice in duplicate.</p> <p>2) Installation certificate issued by the user Commissionerate (as per Form-7 of Section XI).</p>	<p>b) For Offer in INR (Indian Rupees):</p> <p>i. 90% payment within 15 days of submission of Invoice, Pre dispatch inspection certificate/ report at our site, dispatch documents (Courier/RR etc.)</p>	
		<p>On completion of Delivery payment of balance 10% of the Basic cost of the PRDs & RIDs + other charges, if any on submission of:</p> <p>1. Supplier's commercial invoice in quadruplicate.</p> <p>2. Delivery & Acceptance Certificate as per Form-8 of Section XI.</p> <p>3. Bank Guarantee equivalent to balance 10% of amount in the Proforma given in Section XI.</p>	<p>ii. Balance 10% within 15 days on completion of delivery, that is submission of:</p> <p>1. Submission of Supplier's commercial invoice in quadruplicate.</p> <p>2. Delivery & Acceptance Certificate as per Form-8 of Section XI.</p> <p>3. Bank Guarantee equivalent to balance 10% of amount in the Proforma given in Section XI.</p>	
17.	<p>Clause 2 Section IV Page 35</p> <p>Clause 8 Section III Page 24</p>	<p>Delivery schedule: PRDs & RIDs should be supplied, installed and commissioned within three months from the date of award of order.</p> <p>Inspection and quality Control: The Purchaser and/or its nominated representative(s) will, without any extra cost to the Purchaser, inspect and/or test the ordered goods and the related services</p>	<p>Delivery schedule: We request you to kindly accept delivery schedule as follows:</p> <p>i. We will offer for Pre-Dispatch Inspection at our sight within Four Months of receipts of acceptable purchase order, and following documents to be provided in advance:</p> <p>1. End User Certificate (Mandatory) as per</p>	<p>Considering the explanation provided by the firm, delivery period prescribed in section IV, clause 2 of the Tender is amended to 4 months instead of 3 months.</p> <p>Other requirements are company specific and hence</p>

		to confirm their conformity to the contract specifications and other quality control details incorporated in the contract. The Purchaser shall inform the Supplier in advance, preferably one month before the delivery period, in writing, the Purchaser's programme for such inspection and, also the identity of the officials to be deputed for this purpose.	<p>the draft</p> <ol style="list-style-type: none"> 2. Export License Clearance from Country of Original export authorities (Mandatory) for RID only 3. Authorization for Customs Clearance (if order in FE) 4. IEC Code (if order in FE) 5. CDE Certificate (if applicable) (if order in FE) 6. GATT (if order in FE) 7. Bank Release order in case of LC (if order in FE) 8. PAN 9. TAN 10. CST/VAT <p>ii. Complete delivery within two months of receipt of Pre- Dispatch Inspection clearance.</p> <p>Note: End use Statement and export Licence are mandatory for RID. We have to apply to BAFA who are the Government agency for control of Export of Instruments outside Country of Origin. Request that of the End Use Statement be issued in advance, so that the delivery can be expedited.</p>	not considered. Tender conditions prevails.
18.	Clause 9.2 Section IV Page 37	Warranty maintenance: Preventive Maintenance shall be carried out once in 6 months i.e. 4 times during warranty period.	Training of Staff will be provided once in six months during warranty period of 24 months (4 times total) at site of installation during the preventive maintenance visit only. There will be no separate visits for training and preventive maintenance. Please	Based on the situation prevailing at individual site of installation, it may not always be possible to combine preventive maintenance schedule with that of training
19	Clause 11 Section IV Page 39	Training of Staff: Tenderer shall train at least 2 persons (to be nominated by the user Commissionerate) for each unit of PRD/RID		

		supplied for atleast one day, once in 6 months during the warranty period/ maintenance period. The training will be provided at the site of installation i.e. at User Commissionerate. The cost for providing such training shall be deemed to have been included within the cost quoted.	confirm acceptance.	of Commissionerates' staff. Hence, tender requirement stays.
20.	Clause 2.1 Section VI Page 52	When the instrument is delivered at site, Inspecting Authority and user Commissionerate in cooperation shall carry out acceptance tests. The site acceptance tests must include installation, inspection of all specified functions, calibration and agreed performance shown during acceptance tests before despatch in all respects of specs and documentation.	Site Acceptance Test would comprise of demonstrating the proper functioning of the instrument. This will not include calibration since Instrument comes fully Calibrated from Factory which is valid for two years and remains undisturbed for the period.	Necessary calibration certificate from recognized agency and duration of its validity shall be submitted during site acceptance test. Other requirements of the tender remain.
21.	Clause 3.1 Section VI Page 52	After the installation the instruments shall be at the Purchaser's disposal for a trial period of 15 days. If the delivered PRDS & RIDS works in accordance with the agreed specifications and without faults or malfunctions during the same time, the instruments will be accepted. If not, the faults or malfunctions are to be rectified and a further trial period of 15 days is to be added to permit an additional attempt to meet the contract specifications. Maximum two additional attempts shall be given to meet the contract specification. After two additional attempts if the instrument will	Commissioning, Installation & Acceptance Certificate shall be issued immediately upon completion of these activities at each site. The instruments are covered under warranty for which bidder/supplier is bound by Performance Guarantee. Hence the clause for 15 days trial after installation and then issuing Acceptance certificate may kindly be removed.	The performance of the instrument needs to be evaluated, in actual field conditions, after satisfactory installation and site acceptance test. Hence, tender condition prevails.

		<p>not found functioning properly as per the specification laid out in the tender, the Purchaser may reject the PRDS & RIDS. The decision of the Purchaser in this regard shall be final and binding on the tenderer. The loss caused if any due to rejection shall be entirely borne by the tenderer. The department shall in no case be responsible for any loss of damage that may occur to the rejected stores while these are in its premises.</p> <p>3.1 After commissioning of the instruments and completion of Delivery, the user Commissionerate will issue a Delivery & acceptance certificate as per the pro-forma given in Form-8 of the Section XI</p>		
22.	Clause 1.1 Section VII Page 55	1.1 Manufacturers of original instruments (OEM), may bid directly.	OEM or OEM's subsidiary in Indian may be allowed to Bid as was accepted in last tender. Please confirm that the eligibility criteria of either/or both will be considered.	OEM or its subsidiary in India meeting tender eligibility criteria may bid. Eligibility criteria, in its entirety, of either of the Tenderer will be considered.
23.	Clause 1.4 Section VII Page 55	1.4 The manufactures/tenderers should have supplied at least 78 radiation survey instruments in last 3 years.	The tendered items are sensitive security instruments use mostly by State Security Organizations who do not want their resources to be disclosed/made public for obvious security considerations. Hence they bind the suppliers of such sensitive	Considering the explanation provided by the firm, a list of supplies made in the last three years, may be acceptable. However, the Purchaser reserves the right to verify the

			<p>instruments under a “Non-Disclosure-Agreement (NDA) “hence disclosure of such supplies is not possible as it amounts to breach of NDA.</p> <p>Reputed international suppliers like Thermo Fisher is requested to be exempted. We have many models of “Radiation Survey Instruments”, and request you to accept a signed statement that “Thermo Fisher have supplied required number of Radiation Survey Instruments”, not specifically the offered models of PRD/RID to various customers world-wide and are unable to disclose more information due to NDA” be accepted as eligibility criteria without any support or more information .</p> <p>However, if some supplies are made to customers without NDA, those information will be shared.</p>	<p>list submitted by the tenderer as per tender Clause 19.2, Section-II, and act as per the information so obtained.</p>
24.	<p>Clause 1.5 Section VII Page 55</p>	<p>1.5 The tenderers in paras 1.1 and 1.2 should have a network in India to maintain the radiation survey instruments at all the locations where these are proposed to be installed and should have maintained at least 52 radiation survey instruments in India per year in each of the last three years either under warranty or under AMC. If they do not have their own set up but maintain radiation survey instruments through their contractor, such contractor should have a network in India and should</p>	<p>Same as Sl.No.9 above.</p>	<p>Considering the explanation provided by the firm, a list of instruments maintained/ under warranty alongwith the locations thereof in each of the last three years, may be acceptable. However, the Purchaser reserves the right to verify the list submitted by the tenderer as per tender Clause 19.2, Section-II, and act as per the information so obtained.</p>

		have been maintaining at least 52 radiation survey instruments per year during each of the past three years either under warranty or AMC. List of the radiation survey instruments maintained along with certificates from the customers regarding the satisfactory service should be enclosed along with the Tender Form.		
25.	Section VIII Part-I: Page 57 and Section VIII Part-II: Page 58	Part-I: Price Schedule for PRD Part-II: Price Schedule for RID	Price Bid schedule format is not clear for offering in FE. The price for PRD is offered in FE. Installation Commissioning charges is offered in INR. Customs Duty will be given as a percentage of basic price. How grand total is to be arrive at with mixture of currencies. If we convert, then due to currency fluctuations, it would vary form date of tender opening, to date of ordering / execution.	Considering the explanation provided by the firm, Price Schedule under Section VIII is revised and revised format is uploaded on the hosting portal.
26.	Section VIII Part-III Page 59 and Section VIII Part-IV Page 60	Part-III: CCAMC for PRD Part-IV: CCAMC for RID	CCAMC: please clarify if prices are to be given as percentage of order price per instrument or absolute. The Service Tax (Cess etc.) are also variables so applicable rate for the subject period is to be considered.	CCAMC charges are to be provided in absolute term, in Indian Rupee. Taxes and duties as prevailing on the day of opening of the tender will be applicable for cost comparison of the technically qualified bids.
27.	Clause 3(vi) Section V Page 41	Minimum Guaranteed Life of Instrument	Minimum Guaranteed Life of Instrument Please clarify / elaborate.	Requirement is amply clear. Any product will have certain life. Please specify the same.

28.	Clause 3(vii) Section V Page 41	NOC/Type approval, if necessary, from Atomic Energy Regulatory Board, Govt. of India, for the product offered to be submitted within one months of opening of Technical bids.	NOC/ Type Approval from AERB (Atomic Energy Regulatory Board) is required only if Instrument bearing radiation sources of certain nuclide above certain Curie level. This is not applicable to our instruments. For PRD: No Radiation Source is used. For RID: We are using in-built natural K40 for automatic & continuous stabilization.	The tender only states that NOC/ type approval from AERB will be required, if necessary. Tender condition prevails.
29.	Clause 3(x)d Section V Page 42	A certificate from the competent organisation on calibration standards.	Calibration. We have our own Standard Calibration Lab. Please specify if certificate is required for Cal-Kit or Sources at the Factory Calibration lab.	Tender requirement is clear. A certificate from the competent organisation on calibration standards used is to be submitted.
30.	Clause 4.2(b) Section V Page 42	IAEA Technical Guidance Reference Manual 2006 on "Technical and functional specifications for border monitoring equipment".	IAEA Technical Guidance Reference Manual 2006 may kindly be shared to get the necessary clearance on compliance from factory.	This is a public document available on IAEA web portal.
31.	Clause 4.4 (x) Section V Page 43	The effective gamma-ray response range of the instrument should be from 25 keV to 3 MeV.	Range of measurement: Major possibility of source that will come is Am-241 and its energy range starting from 60KeV. Instrument should be capable to measure the 1.33 MeV and 1.9MeV i.e., K-40. PRD S ER is perfect for the same which meets 30KeV to 3MeV which is universally accepted and we are supplying this world-wide with no requirement for 25KeV. Please confirm if our specifications as above are acceptable to enable us to participate in the tender.	Range of measurement is required for any instrument. It may be taken as 30 KeV to 3 MeV for gamma-rays.

32.	Clause 4.4 (xii) Section V Page 43	<p>a) Should be greater than 800 hours under no alarm conditions for instruments with non-rechargeable batteries and greater than 12 hours for units with rechargeable batteries.</p> <p>b) Under alarm conditions the battery lifetime should be greater than 3 hours.</p> <p>c) Should have indication of battery status.</p>	<p>Battery Life: We offer Up to 600 Hrs with non-rechargeable batteries. Battery may leak at 800 hour operation time. Instrument should work for approx. 500 hours, and PRD S ER works for 600 Hours.</p> <p>Please confirm if our specifications as above are acceptable to enable us to participate in the tender.</p>	<p>Considering the explanation provided by the firm and end-use application of the instrument, battery life should be greater than 500 hrs.</p>
33.	Clause 5.4.6 (c) Section V Page 46	<p>Energy precision: Less than 1% deviation of measured gamma energies from true in the range 30 keV-1 MeV and less than 2% in range 1 MeV-3 MeV; differential non-linearity of ADC less than 1%;</p>	<p>Energy Precision: If peak finds is at 100KeV then 1% deviation allowable i.e., peak at 99KeV or 101KeV. From energy range 1MeV to 3MeV if peak comes at 1000KeV, the 1% deviation allowable i.e., peak at 980 KeV or 1020KeV.</p> <p>Please confirm if our specifications as above are acceptable to enable us to participate in the tender.</p>	<p>Tender condition prevails.</p>
34.	Clause 5.5.8 (a) Section V Page 48	<p>False alarm rate for gamma and neutron radiation :</p> <p>a) At standard gamma and neutron background, the FAR should be less than one per minute for gamma alarms and less than one per hour for neutron alarms at a 95% confidence level.</p>	<p>False Alarm Rate. If background $9\mu\text{R/h}$, then upto $15\mu\text{R/h}$, there should be no alarm i.e., gamma false alarm should not be more than one in one minute and neutron false alarm should not be more than one in 1 hour. This is for present alarm. Need to check present alarm value. Manually we can set alarm.</p> <p>Please confirm if our specifications as above are acceptable to enable us to participate in the tender.</p>	<p>Tender condition prevails.</p>

35.	Clause 5.5.8 (b) Section V Page 48	False alarm rate for gamma and neutron radiation : b) Dwell time should be 1 s.	Dwell time: Please elaborate on Dwell time. Not understood.	'Stay' time for the false alarm should be 1 s.
36	Clause 5.5.9 Section V Page 48	Environmental requirements : Must meet the performance specifications listed above in the temperature range of -10°C to +50°C and at a non-condensing relative humidity of 95% at 35°C.	Environmental Specifications: Complies Temperature (-20°C to +50°C). Humidity 85% at 35°C. In India humidity of 95% is very high, so humidity 85% at 35°C is adequate. Please confirm if our specifications as above are acceptable to enable us to participate in the tender.	Tender condition prevails.
37	Clause 5.5.12 (iv) Section V Page 48	Identification of a weak nuclear material signal on a high background of masking NORM or industrial radionuclides;	Please specify the values & condition required.	This should be as per standard practices for such identifications.
38	Clause 5.5.12 (v) Section V Page 48	Reliable radionuclide identification over a wide range of environmental and count rate conditions;	Please specify the radionuclide's that you want to identify.	This should be as per standard practices for such identifications.
39	Clause 5.5.19 Section V Page 49	Moisture resistance: Count rate or indicated dose rate from a ¹³⁷ Cs source producing a dose rate of approximately 1 μSv h ⁻¹ at the detector should remain unchanged after the instrument has been sprayed with water for 30 min.	Moisture Resistance : We comply as per IP Rating 65 Please confirm if our specifications as above are acceptable to enable us to participate in the tender.	Tender condition prevails.

40.	Clause 1.4 Section VII Page 55	The manufactures/tenderers should have supplied at least 78 radiation survey instruments in last 3 years.	We would like the Indian Government to waive this tender clause.	Tender requirement remains unchanged.
41.	Clause 1.5 Section VII Page 55	The tenderers in paras 1.1 and 1.2 should have a network in India to maintain the radiation survey instruments at all the locations where these are proposed to be installed and should have maintained at least 52 radiation survey instruments in India per year in each of the last three years either under warranty or under AMC. If they do not have their own set up but maintain radiation survey instruments through their contractor, such contractor should have a network in India and should have been maintaining at least 52 radiation survey instruments per year during each of the past three years either under warranty or AMC. List of the radiation survey instruments maintained along with certificates from the customers regarding the satisfactory service should be enclosed along with the Tender Form.	We would like the Indian Government to waive this tender clause.	Tender requirement remains unchanged.