

# Registration Excise and Prohibition Department

Vikash Bhawan, New Secretariat,

Bailey Road, Patna-01

Tender No: Excise/FBTSS-2016/02 dated 9th May 2016

## Replies to pre-bid queries of the bidders as per the pre-bid meeting held on 17th May 2016

Sr. No.	Name of the Bidder	RFP Document Reference(s) (Section & Page Number(s))	Content of RFP requiring Clarification(s)	Points of clarification	Replies
1	Max Infocom	Technical Specifications Sr. No. 1, Page No. 18	<b>X Ray Generator</b> Dual energy: High – 6MeV (Nominal); Low – within a differential of 2 to 3 MeV.	Dual energy: High – 7.5MeV (Nominal) Low – 4 MeV or more. X Ray Generator Source : Linear Accelerator	Please read the clause as "X-Ray energy: 3Mev / 4 MeV/ 6 Mev"
2	Max Infocom	Technical Specifications Sr. No. 3, Page No. 18	<b>Penetration</b> Minimum 350 mm of steel (at normal system scan speed)	Minimum 320 mm of steel (at normal system scan speed) as per ANSI N 42.46	Accepted. Please read the clause as "Minimum 320 mm of steel (at normal system scan speed)"
3	Max Infocom	Technical Specifications Sr. No. 5, Page No. 18	<b>Scan Speed</b> To be specified by the tenderer (consistent with the requisite through-put)	0.4 m/s or better	Accepted. Please read the clause as "Scan Speed: 0.4 m/s or better"
4	Max Infocom	Technical Specifications Sr. No. 6, Page No. 18	Wire detect ability in free air: 1 mm or better	2mm or better	Accepted. Please read the clause as "Wire detect ability in free air: 2mm or better"
5	Max Infocom	Technical Specifications Sr. No. 7, Page No. 18	Contrast Sensitivity: 1% or better behind 100 mm of steel	2% or better behind 150 mm of steel	Accepted. Please read the clause as "Contrast Sensitivity: 2% or better behind 150 mm of steel"
6	Max Infocom	Technical Specifications Sr. No. 8, Page No. 18	Spatial Resolution: 5 mm or better at any location in the truck/cargo	4 mm or better at any location in the truck/cargo	Accepted. Please read the clause as "Spatial Resolution: 4 mm or better at any location in the truck/cargo"

7	Max Infocom	Technical Specifications Sr. No. 9, Page No. 18	Scan Size: Should scan the entire container carried on a truck, truck with trailers or tractor with trolleys, including driver's cabin & engine compartment; and display the transmitted scan image from a height of 0.3 meters above to the top of the truck/container without missing any area or corner cut-off. Max. size of object scanned: Width - 2.90 m; Height - 4.50 m; Length - 16.00 to 17.00 m.	Should scan the entire container carried on a truck, truck with trailers or tractor with trolleys, including driver's cabin & engine compartment; and display the transmitted scan image from a height of 0.3 meters above to the top of the truck/container without missing any area or corner cut-off. Max. size of object scanned: Width - 3.00 m; Height - 4.50 m; Length - 18.00 m.	Accepted. Please read the clause as "Scan Size: Should scan the entire container carried on a truck, truck with trailers or tractor with trolleys and display the transmitted scan image from a height of 0.3 meters above to the top of the truck/container without missing any area or corner cut-off. Max. size of object scanned: Width - 3.00 m or more; Height - 4.50 m or more; Length - 18.00 m"
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8	Max Infocom	Technical Specifications Sr. No. 16, Page No. 19	<p>Image Processing: Should have the following minimum features:</p> <ul style="list-style-type: none"> <li>a) Zoom-in (upto 16 X) zoom-out (1/4th), pan, scroll, density expands, edge enhancement, reverse video, brightness &amp; contrast adjustment, etc.</li> <li>b) Pseudo colouring (at least 16 pseudo colour) , ruler functions</li> <li>c) ROI (Region of Interest) processing</li> <li>d) Original image and processed image - to allow attending operator to alternate between the original and processed images in the same window</li> <li>e) Negative and positive image toggling</li> <li>f) Filtering functions</li> <li>g) Gray scale re-mapping and adjustment</li> <li>h) Shape marking or text annotations highlighting suspicious area.</li> <li>i) Histogram- liner, non-liner defined functions</li> <li>j) GUI- menu bar, tool bar, in-put window main</li> </ul>	<p>Should have the following minimum features:</p> <ul style="list-style-type: none"> <li>a) Zoom-in (upto 16 X) zoom-out (1/4th), pan, scroll, density expands, edge enhancement, reverse video, brightness &amp; contrast adjustment, etc.</li> <li>b) ROI (Region of Interest) processing.</li> <li>c) Original image and processed image - to allow attending operator to alternate between the original and processed images in the same window</li> <li>d) Negative and positive image toggling</li> <li>f) Filtering functions</li> <li>e) Gray scale re-mapping and adjustment</li> </ul>	Not accepted.
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9	Max Infocom	Technical Specifications Sr. No. 24, Page No. 22	<p>Regulatory Requirements: a) FBTS System must comply with the regulations of Atomic Energy Regulatory Board (AERB) of India and Supplier should produce a no-objection certificate (NOC) for import from AERB along with the Tender but in no case later than 30 days from the date of opening of the technical bid of the Tender.</p> <p>b) Radiation dose at the exclusion zone boundary shall not exceed 1 microSv/hr. (instantaneous).</p> <p>c) Scanning operation should be safe for food, vegetables, pharmaceuticals, clothing, active medical supplies, electronic data media, or other commonly traded goods. Dose on cargo per scanning shall not exceed 100 microSievert (10mR).</p>	<p>a) FBTS System must comply with the regulations of Atomic Energy Regulatory Board (AERB) of India and Supplier should produce a no-objection certificate (NOC) for import from AERB along with the Tender but in no case later than 30 days from the date of opening of the technical bid of the Tender.</p> <p>b) Radiation dose at the exclusion zone boundary shall not exceed 1 microSv/hr to Human Operators and 5 microSievert to Vehicles.</p> <p>c) Scanning operation should be safe for food, vegetables, pharmaceuticals, clothing, active medical supplies, electronic data media, or other commonly traded goods.</p>	Not accepted.
10	Max Infocom	Standard Forms, Sr. No. 3 g, Page No. 43	EMD Validity to Remian 455 Days	EMD Validity should be 180 Days as the Bid Validity is also 180 Days.	Accepted
11	Max Infocom	Prequalification Criteria, NIT , Sr. No. 2, Page No. 3,	Turnover: The bidder in its name must have achieved a minimum average annual financial overall turnover of INR 150 Crores per year for the last three years	Average annual financial overall turnover of INR 250 Crores per year for the last three years,	Not accepted.

12	Max Infocom	Prequalification Criteria, NIT , Sr. No. 4, Page No. 3,	Technical Capability: The tenderer or its OEM should have a proven track record of having supplied at least five (5) X-Ray based truck/ truck mounted container cargo scanning systems of capability required in the tender or better systems of similar type in the last seven years (from 1st April 2008 to 31st March 2015).These systems should have been supplied to three different clients and should be in field operation for more than two (2) years.	The bidder (OEM) should be a reputed manufacturer of X Ray Systems with more than 10 years of experience. Proof of this Must be Submitted.	Not accepted.
13	Rapiscan	Introduction ; Chapter No. 1, Section I, Pg. no. 4	Line 6: Period of completion is 3 months;	Section 5.2 it is mentioned as 6 months. Typical lead-time is 6 months ex works UK, from placing contract. Delivery via ship will be approximately 6 weeks and then internal port and customs clearance and finally delivery to site for SAT and handover. As such, delivery should be 9 months from signed contract award.	Accepted. Delivery should be 9 months from signing date of contract.
14	Rapiscan	Introduction ; Chapter No. 1, Section I, Pg. no. 4	Line 7: Five check-posts	Whereas elsewhere it is mentioned as seven check-posts. Please clarify actual numbers required.	Please treat the number as "Five check-posts"

15	Rapiscan	Schedule of Bid Process ; Chapter No. 2, Section No. 6, Pg. no. 4	Last date for submission of bids: 31st May 2016	In order submit the bid in a proper way, it is essential to visit the sites for site survey, carry out soil tests, prepare the drawings for each facility at the seven sites, the time given is just not sufficient. This date may please be changed to 30th July 2016 to facilitate bidders to prepare the bids.	As the site preparation is in scope of the Department, site survey activity can be conducted in parallel or post the award of contract
16	Rapiscan	Pre-Qualification Criteria/Legal Entity ; Chapter No. 3, Section No. 1.a, Pg. no. 5	Criteria states Clause 1.1(02) of Section 1 of TE.	Clause 1.1(02) of Section 1 of TE is not detailed any where in the RFP.	Typographical mistake. Please treat the clause as deleted.

17	Rapiscan	Facility ; Chapter No. 4, Section No. ix , Pg. No. 6	means the FBTSS consisting of complete infrastructure required for scanning of truck/ truck mounted containers. It includes the scanning equipment, scanner movement system, isolation barriers, electrical power supplies (including DG set & UPS), structure for housing the scanner system with adequate radiation shielding & environmental protection, building for housing operation & maintenance staff, structure for housing DG set, UPS and other requisite accessories, electrification, communication system, safety & surveillance system, air- conditioning & ventilation system, concretized area for scanner operation & exclusion zone, access roads, etc.	Section 5.4 on page 10 states "SITE WORK AND SITE SERVICES - The purchaser shall get the sites ready as per the specifications provided by the supplier. Hence no civil work is part of this tender"Please clarify if the tender is required to supply buildings, structures, roads, shielding walls, etc., or if section 5.4 should be followed and "no civil works is part of the tender"?	Yes, no civil work is part of the tender.
18	Rapiscan	Scope of Work , Chapter No. 5, Page No. 8	Misdeclaration of quality such as grades, defective etc.	Purchaser shall elaborate on what is meant by quality of grade, defective etc.	This is with reference to transporters declaring different quality or grade than the actual quality or grade inside the container

19	Rapiscan	Scope of Work , Chapter No. 5, Page No. 8	Concealment of contraband drugs including (ç) narcotics and psychotropic substances	Please note that an X-Ray image will be produced to allow Department officials to inspect the image for concealments and contraband as listed.	NA
20	Rapiscan	Scope of Work , Chapter No. 5, Section No. 1, Page No. 8	It is expected that the scanner system is able to detect the contraband items concealed in variety of consignments, particularly cement, gypsum, etc.	Please note that an X-Ray image will be produced to allow Department officials to inspect the image for concealments and contraband as listed.	NA
21	Rapiscan	Modality of project execution ; Chapter No. 5, Section No. 1, Page No. 8	The project envisages right choice of equipment along with accessories, scanner movement system, DG set, UPS, communication system, Isolation barrier etc.	Whether DG Set, Isolation Barrier, etc. are part of the scope of supply of the supplier or Purchase?	The basic Infrastructure will be provided by the Department
22	Rapiscan	Product Support ; Chapter 5.1 / c / iv ; Page No. 9	RFP requires product support of 15 years after 5 years of G/W period.	Universally the period of product support is for a total period of 15 years including G/W period. Hence Purchase shall amend this clause accordingly.	Please read the clause as " 5 years warranty followed by 5 years back to back AMC with OEM "



23	Rapiscan	Commissioning & regular operation ; Chapter 5.3 / b / iv ; Page No. 9	(b) Information available with the Purchaser (full information may be obtained from Head, Radiological Safety Division, AERB, Mumbai) indicates that approval of AERB is required at the following stages: ( i ). Selection of Site (ii). Clearance (including import of the X-ray generating unit) , (iii) Installation & Pre-commissioning Tests ( iv). Commissioning & Regular Operation	AERB's permission for commissioning & regular operation will be granted on Purchaser's application. Supplier will assist in this regard. RFQ says it is supplier's responsibility to apply, which is not correct.	Department shall apply for the AERB's permission for commissioning & regular operation. Bidder to assist the department in all respect for obtaining the AERB certification.
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24	Rapiscan	Type Approval ; Chapter 5.3 / b / iv ; Page No. 10	Supplier. Additionally, the Supplier shall provide type test certificate from AERB for the FBTS System being offered either along with the bid or within 30 (thirty days) of opening of the techno- commercial bids. Further, it is to be noted that regulatory review/ statutory clearance is an iterative process and time required for the same should be duly accounted for by the bidder while planning various activities associated with this tender.	There is no precedent of AERB giving Type Approval for truck scanners. They survey the scanner system during commission and provide permission to commission and operate to the owner/user/Purchaser.	As above
25	Rapiscan	Site Work and Site Services ; Chapter 5.4 ; Page No. 10	RFQ states Purchaser will make ready the site as per the specifications provided by the Supplier.	Supplier will be able to submit the specifications, (1) If Purchaser can provide the details of the proposed site for the mobile scanner at each site. Bidders shall be allowed to visit the sites and survey the same for arriving at the specifications. In view of the shorter duration available, Purchaser shall make available the soil test reports of each site to the bidders for finalizing the specifications, and (2) Purchaser shall intimate if he had any requirements in the facility in his view or if he had any conditions on the facilities.	As above

26	Rapiscan	Delivery ; Chapter 5.12/a ; Page No. 11 & 12	RFP says the completion period for each site is 6 months.	Historical data indicates the average period for delivery is minimum around 9 months. Hence Purchaser shall change the delivery period to 9 months from the date of signing the contract.	As above
27	Rapiscan	System Requirements ; Chapter No. 6 ; Page No. 15	Types of unoccupied vehicles to be processed through the mobile X-ray include: Trucks ( including shipping containers up to 45 feet), Buses, Vans and Cars	While Scanning of unoccupied vehicles, such as cars is possible, this will only be up to the bottom of the chassis, due to minimum scan height of 400mm from the ground, unless ramps are installed to allow the vehicle such as cars to be raised off the ground.	Ramps shall be provided in case, scanning of cars is required.
28	Rapiscan	Specifications and allied Technical Details/System Requirements ; Chapter No. 6/2 ; Page No. 15	The mobile x-rays scanner shall have two (2) modes of operation being: (1) Drive-by – Where the mobile drives by the unoccupied target vehicle under inspection (2) Drive-through – Where the mobile is stationary and occupied vehicles are driven through the L-shaped detector array	While Drive-By scanning is possible and is permitted by AERB, Drive-Through is permitted if the driver's cabin is not scanned. The same is mentioned in the para below this line in the RFP. Purchase to confirm. Drive- Through scanning will not be possible, if there is no gap between the container being carried by the trailer/truck and the driver cabin (Where the drive cabin is like a prime mover which can be separated from the trailer portion). Purchase to confirm that the requirement is subject to this condition of vehicle.	Please read the clause as " The mobile x rays scanner shall have Drive-by modes of operation – Where the mobile drives by the unoccupied target vehicle under inspection "

29	Rapiscan	Site Acceptance Tests (SAT) ; NIL ; Page No. 20	After installing and commissioning the FBTSS, OCR, UVSS, the Supplier shall intimate to the Purchaser the dates for SAT at least one month in advance.	Whether UVSS is part of the scope of supply of Supplier or Part of the site preparation works which is in the scope of Purchase? UVS System is separate from Mobile Scanner. It had to be installed below the road level duly preparing the entry end of the site.	Accepted. Please read the clause as "After installing and commissioning the FBTSS, the Supplier shall intimate to the Purchaser the dates for SAT at least one month in advance.
30	Rapiscan	Stages and Methods of Payment ; NIL ; Page No. 26	Payments are as follows:20% - Advance80% - Upon completion Payment of statutory duties and taxes	Rapiscan request the following staged payments:20% - Advance (as already proposed by the purchaser)40% - Upon Successful FAT10% - Upon presentation of Shipping Documents (Bill of Lading)10% - Upon Delivery to Sites10% - Upon Successful SAT10% - Certificate of installation and commissioning certificate from the User DepartmentsPayment of statutory duties and taxesPlease note that each mobile should be considered as separate task, therefore if the User Department at 1 location does not produce required certificate, then 10% of the total contract should not be withheld from the purchaser, only 10% for that single mobile. As such, although only 1 x Contract maybe awarded, the supply of each mobile and site, should be considered as individual contracts.	Please read the clause as "Payments are as follows: 10 % - Advance against BG of same amount, 40% - Upon Successful FAT, 10% - Upon presentation of Shipping Documents (Bill of Lading), 10% - Upon Delivery to Sites, 20% - Upon Successful SAT, 10% - Certificate of installation and commissioning from the User/Department". Rest all the clauses may be mutually discussed at the time of agreement.

31	Godrej & Boyce Mfg Co Ltd	Section No. 6 ( SPECIFICATIONS AND ALLIED TECHNICAL DETAILS) & Page Number 15	According to System Requirements The mobile x-ray scanner should be capable of screening both stationary unoccupied vehicles and moving occupied vehicles from bumper to bumper including the drivers Cab. Also In the another paragraph it is mentioned that Types of occupied vehicles to be processed through the mobile x-ray scanner in include: Trucks, including shipping containers up to 45 feet, however the drivers cab will not be scanned	According to this Point, the drivers cab of the moving occupied vehicle shall be scanned, but according to Paragraph marked with Blue, the drivers cab of the occupied vehicles shall not be scanned. In most countries, the scanning of human being is forbidden, so please clarify that the driver's cab shall be avoid scanning in drive-through mode.	As above
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32	Godrej & Boyce Mfg Co Ltd	Section No. 6 ( SPECIFICATIONS AND ALLIED TECHNICAL DETAILS) Page Number 15 & Section No 6 Specification Page No 18	According to Standard operator number Specification, mentioned at S. No 25, The Standard Operator shall be 2 (one system control operator and one image inspector).Also at the another paragraph at page no 15, It is mentioned that It must be possible to operate the scanner, as well as monitor the safety zone, with a maximum of three (3) people. The recommended three persons being, one driver, one image analyst and one ground marshal. The mobile x-ray scanner should include an additional image analysis workstation, where a high throughput of scanned vehicles is required, plus the available option for a further third image analysis workstation.	According to the specification item 25 below, the standard operator shall be 2 (one system control operator and one image inspector), but according to item marked with blue, requires 3 people without an system control operator, furthermore, this item also requires the available option for the third image analysis workstation, there is no space for the third one as each image analysis workstation is equipped with two screen in standard. Here, could this item changes to match the requirement in the item 25 which needs at least one image analysis operator and one system control operator when the system is working and two image analysis workstations.	Please read the clause as" Standard Operator Number: Total = 3. (One Image Analyser, One Operator and One Driver/ Ground Marshal).
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33	Godrej & Boyce Mfg Co Ltd	Section No. 6 ( SPECIFICATIONS AND ALLIED TECHNICAL DETAILS) Page Number 16 & Section No 6 Specification Page No 17	According to Specification requirement Point No 5, The Maximum Height of the Scan Vehicle is 4.6m. Apart from this it is also mentioned at Page No 16 that The internal dimensions of the detector boom height should be 5.1 meters, making it capable of scanning a target vehicle item up to a height of 5.0 metres	According to specification requirement item 5 Page No 17, the Max. height: of scanned vehicle is 4.6m ,but according to the item marked with blue , the requirement is 5m, there is merely vehicle with a height of 5.0m, and the standard height of scanning tunnel we provide is 4.7m	As above
34	Godrej & Boyce Mfg Co Ltd	Section No. 6 ( SPECIFICATIONS AND ALLIED TECHNICAL DETAILS) Page Number 16 & Section No 6 Specification Page No 17	According to Specification requirement Point No 5, The Maximum width of the Scan Vehicle is 2.6m. Apart from this It is also mentioned at Page No 16 that The internal dimensions of the detector boom width should be 3.9 meters, making it capable of scanning a target vehicle item up to a width of 2.8 meter	According to specification requirement item 5, the Max. width: of scanned vehicle is 2.6m , but Points highlighted with blueThe requirement is 2.8m, there is merely vehicle with a width of 2.8m, and the standard width of scanning tunnel we provide is 3.8m	Accepted. Standard width to be 3.8 meters
35	Godrej & Boyce Mfg Co Ltd	Section No. 6 ( SPECIFICATIONS AND ALLIED TECHNICAL DETAILS) Page Number 18	According to the Factory Acceptance Test mentioned at Page No 20 Point No 10 The Supplier shall despatch the FBTS System or its sub-system (in case partial FAT has been agreed upon), OCR UVSS only after FAT has been carried out and these are accepted by the representative(s) of the Purchaser.	Its not clearly mentioned that Whether the OCR and UVSS shall be provided by Supplier? Also The UVSS shall be embedded in the ground..	As above

36	Godrej & Boyce Mfg Co Ltd	Section No. 5 & Page Number 10	Refer to page 10 point 5.5 there are various site services desired	In Case of Mobile Scanner no civil work is required	As above
37	Godrej & Boyce Mfg Co Ltd	Section No. 5 & Page Number 11	Refer to Page 11 Point 5.10 the Supplier & User Organization will conducts Tests & Trial for 30 days.	However Refers to Page 26 payment mode part 2 it is mentioned that Payment will be given on installation or after these trail	Payment to be made 15 days from acceptance trials
38	Godrej & Boyce Mfg Co Ltd	Section No. 5 & Page Number 11	Refers to Page 11 Point 5.12 delivery Schedule should be 6 Month	The minimum Time required to deliver the Machine Should be 9 Month.	Accepted
39	Godrej & Boyce Mfg Co Ltd	Section No. 5 & Page Number 9	Refers to Page 9 Point 5.3 the Supplier shall provide type test certificate from AERB for the FBTS System being offered either along with the bid or within 30 (thirty days) of opening of the techno-commercial bids.	AERB Certificate is not possible within 30 days from Techno Commercial Opening. Only NOC can be gathered that also depends on the time taken by AERB. Type test reports are only possible after the equipment arrives in India at site.	Bidder shall process and provide the certificates as per rules and regulations of AERB and keep department informed at each step