

**Minutes of discussions held during Pre-bidConference held on 17.09.2019 at 14:30hrs. in the Conference Hall, Directorate of Logistics, New Delhi against Global e-Tender No. 08(AS)/2019 dated 27.08.2019 for supply, installation, commissioning, and maintenance of 05 Nos. Mobile X-ray Container Scanning (MXCS) Systems**

Pre-bid Conference was held at 14:30 hrs.in the Directorate of Logistics, New Delhi on 17.09.2019to provide clarifications on the queries raised by the prospective tenderers pertaining to subject e-tender no. 08(AS)/2019 dated 27.08.2019 for supply, installation, commissioning, and maintenance of 05 Nos. Mobile X-ray Container Scanning (MXCS) Systems. The Conference was chaired by Shri Suresh Kishnani, Principal Commissioner, Directorate of Logistics, New Delhi and the following officials attended the meeting:

S.N.	Name of the officer	Organisation
1	Rajendra Kumar Meena	Addl. Commissioner, Directorate of Logistics
2	Dr. Sreeju S S	Deputy Director, (DG Systems/ICES)
3	RohitKhare	Deputy Director (DG Systems/SI)
4	Vinod Kumar Ahirwar	Deputy Commissioner (Logistics)
5	SudhirKanvinde	Executive Director, Indian Ports Association
6	Rajeev Puri	CAO, Indian Ports Association
7	Muni Ram Meena	Addl. Assistant Director, Directorate of Logistics
8	D S Rana	Technical Consultant, Directorate of Logistics

1.1 Further, the officers of the concerned Zones/User Commissionerates led by Shri P.N.Rao, Chief Commissioner, Cochin Customs, Shri M.M.Parthiban, Pr. Commissioner of Customs, Chennai III, Shri S. K. Vimalanathan, Commissioner of Customs, Nhava Seva-III, Shri D. Satish, Joint Commissioner, Kolkata [Port] Customs and Shri M S Meena, Joint Commissioners, Goa Customs along with local port authorities and Shri Ajay Ubale, Pr. ADG, Risk Management Centre for Customs, Mumbai alongwith his team participated in the pre-bid conference through Video Conferencing.

Following representatives of various firms attended the Pre-bid conference:

S.No.	Name of the representative (S/Shri/Ms.)	Company represented
1	AmanSaxena	M/s Nuctech Co.Ltd.
2	Amit Agrawal	Manager, M/s Nuctech Co.Ltd.
3	Ashish Upadhyay	Executive Director, M/s Rapiscan Systems
4	Warren Streeter	M/s Rapiscan Systems
5	Amit Kashyap	M/s Smiths Detection
6	Vasudevan	M/s Merlyn Promocare
7	Ravi Mani	M/s Pinnacle Analytical Solutions

2.1 At the outset, the Principal Commissioner (Logistics) welcomed all the participants and gave a brief of the project and informed that the purpose of the Pre-bidConference is to provide clarifications to the queries raised on e-procure portal by prospective bidders. He further informed that as per clause 1.11 of Section 1 of tender document, prospective tenderers seeking clarification on the tender document were required to submit their queries





online by 16.09.2019 upto 1300 hrs. It was informed that queries had been received through online mode from M/s Nuctech Company Limited. Additional queries were received in writing during the pre-bid conference from M/s Pinnacle Analytical Solutions India Pvt.Ltd. Some other queries were also raised during the conference by the prospective bidders.

2.2 All queries were taken up for clarification with the prospective bidders and were discussed, clarified and responded one by one by Directorate of Logistics, user Commissionerates in conjunction with the concerned Port Trusts.

2.3 Prospective bidders sought permission to visit sites of installation in terms of clause 3.7 of Section-3 of the tender No. 08(AS)/2019 dated 27.08.2019. Their request was considered and an addendum No. 01/08(AS)/2019 dated 20.09.2019 was uploaded on e-procurement portal informing all prospective bidders that they can visit the site of installation as per the date schedule. Two alternate dates at each port were provided and nodal officer of the Customs at each port was mentioned in this addendum. Further, as last date of visit was proposed on 07.10.2019, the request regarding extension in due date for submission of bids was considered and the closing date for submission of the bids has been agreed to be extended upto 31.10.2019 at 13.00 hrs and accordingly, date of opening of tenders is extended till 01.11.2019 at 15.00 hrs. In this regard, corrigendum No. 02/08(AS)/2019 dated 24.09.2019 has been uploaded on e-procurement portal informing all prospective bidders.

3. The reply/ clarifications to all the queries have been consolidated in a tabular form, which is annexed. Also annexed are Appendix-III 'Schematic Layout of Mobile X-Ray Container Scanner Facility', of the tender document; Appendix IV 'Plot Plan for Mobile X-Ray Container Scanner Facility' for all five sites/ports viz. BMCT-JNPT/Haldia/Chennai/Cochin/Goa as Appendices IV(a), IV(b), IV(c), IV(d) & IV(e) respectively. Further, 'Site related information for all the sites/ports are also made parts of these Appendices. The respective tender conditions stand modified to the extent mentioned therein, wherever applicable.

4. Considering the request of the prospective bidders it was decided to extend the date of filing of bid up to 31.10.2019 at 13:00 hrs. Principal Commissioner, Directorate of Logistics assured that it is the endeavour of this Directorate to have maximum participation in this tender and accordingly, exhorted all the participants to submit their bids.

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**SUPPLY, INSTALLATION, COMMISSIONING & MAINTENANCE OF  
05 (FIVE) MOBILE X-RAY CONTAINER SCANNING (MXCS) SYSTEM  
GLOBAL E-TENDER NO. 08(AS)/2019 dated 27.08.2019  
CLARIFICATION TO PRE-BID QUERIES**

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S.N	Section	Tender clause	Tender Requirement	Query of Bidder	Response of Directorate of Logistics
				<b>M/s Nucotech Company Limited, Beijing</b>	
N1.	Section 3, Schedule of Requirements	3.8, Page 30	In general, the site works involve construction of RCC column & roof shed, RCC concrete pad, site entry & exit roads, fencing & boundary wall, parking shed, paving, painting/epoxy coating, anti-termite treatment, horticulture & landscaping, etc. Site work will include providing/ establishing electrification, communication, networking, public health services, electrical trenches, fire fighting services, water storage & distribution, security & surveillance, diesel storage, weigh-bridge, etc. Pre-fabricated offices with furniture & fixtures, venetian blinds, air-conditioning, etc. will be provided in the Scanning Facility. Extend services such as electric power, water supply, communication/ networking lines, storm water drains, soak pit and septic tank along with connecting sewer lines, fire water line, etc. up to the nearest identified points (by Port Authority) for connection/integration purposes. This may need existing roads to be crossed requiring road cutting, embedding concrete pipes and repairing the road. These will form part of the site works.	As per our understanding for mobile scanner facility not much civil work is involved like RCC column & roof shed, RCC concrete pad. Also, we request that the site entry & exit roads suitable for use during construction phase as well as for regular operation shall be provided by respective port authorities. We don't feel there is a requirement of weight bridge, electrical trenches, diesel storage, etc. for mobile scanning facility, hence we request you to please clarify on the same. Please clarify and advise on the above.	<i>Requirements as specified stays.</i>  <i>Scope of road construction by the Vendor beyond entry and exit:</i> <i>(i) Chennai Port – 380 meters (approx.)</i> <i>(ii) Haldia Port – 60 (approx.) meters</i> <i>(iii) BMCT (JNPT) – 100 meters (approx.)</i>  <i>Further, specifics will be provided by respective ports during site visits by the prospective bidders.</i>  <i>Also, refer to response to Q3.</i>
N2	Section 3, Schedule of Requirements	3.10(a), page 30	Foundation of the structures should be decided based on the geotechnical survey to be carried out by the contractor for the sites concerned. Design of the foundation shall be carried out as per respective BIS codes & standards. Concrete pad should be designed after considering the soil conditions and should be as per Indian Road Congress specification IRS 58:2002 (Guidelines for design of plain jointed rigid pavement for highways). Sub-grade soil should be treated suitably to increase the bearing capacity. Expansive soil at top level should be removed up to minimum 300 mm depth. It should be	For first hand assessment of site & to understand all the services facilities passing through the site/ nearby to site, thus we request that bidder shall provide the geotechnical survey report and soil investigation/test report as would be available with respective port authorities. Please advise & provide the require reports.	<i>Will be provided by respective Ports, if available, during site visits by the prospective bidders. Further it is mobile scanner, not much/heavy construction will be required. Soil conditions may not have much bearing on price.</i>





			backfilled with compacted murrum before soiling. Consolidation of soil may also be required in certain cases. Approach roads should be as per the specification of Ministry of Road & Highways.		
N3	Section 3, Schedule of Requirements	3.22, page 34	DELIVERY SCHEDULE The Supplier shall deliver the Mobile X-ray Container Scanner System along with site preparation works within 12 (twelve) months from the date of notification of award	Considering the scope of work, we request to amend the delivery schedule to within 18 (eighteen) months from the date of notification of award.	<i>Tender condition prevails.</i>
N4	Section 4, SCANNER PERFORMANCE	4.41, page 41	c) Penetration: Minimum 300mm of steel. (The offer should also indicate the value of equivalent water penetration in mm for the equipment offered). d) Wire detectability: 2-2.5 mm or better (in free air). (Details of test device and test procedure to be furnished in the bid). e) Contrast sensitivity: 1-2% or better (Details of test device and test procedure to be furnished in the bid). f) Spatial resolution: 5-6 mm or better (Details of test device and test procedure to be furnished in the bid).	The parameter in two parts is different. Please confirm the requirements of this item for proposal, FAT and SAT.	<i>Performance parameters under the referred clause to be achieved and demonstrated during both FAT &amp; SAT</i>
N5	Section 4, IMAGE QUALITY DATA	4.42, page 42	b) For varying steel plate thickness of 280 mm to 310 mm and behind 25 mm lead brick of size 100*100mm in steps of 10 mm located at the floor, centre and top of container levels. c) Wire detect ability in free air, preferably for 4,6,8,10,12,14 & 16 AWGs both in horizontal and vertical planes. The wire material shall be of copper and of length 300 mm. The wires can be in the in the form of rings of 100mm diameter or sine wave shape and located in the middle level of container. d) Image contrast for: (a) steel plates of thickness varying from 2 mm, 3 mm, 4 mm, 5 mm & 6mm behind 100mm, 200 mm & 300 mm thick steel plates. (b) steel wires of length 250mm, dia. varying from 2 mm, 3mm, 4 mm, 5mm & 6mm behind 100 mm, 200 mm & 300mm thick steel plates.		<i>Requirement under referred clause is for generating image quality data of the scanner system.</i>
				<b>M/s Pinnacle Analytical Solutions</b>	
P1	Section 1, Qualification	1.6 (b), Page 9	Joint venture entity with and authorised by OEM (Form 2);	What is lead partner minimum percentage?	<i>Refer to Form-2 of the tender for details.</i>

P2	--- do ---	1.8 & 1.9, Page 9	<p>The tenderer must have had an average annual turnover of at least Rs. 110 Crore (or its equivalent in foreign currency) during the last three years i.e. 2016-17, 2017-18, &amp; 2018-19 (or 2016, 2017 &amp; 2018) and should have made profit (profit after tax) in the last 3 years.</p> <p>The tenderer should have manufactured &amp; supplied and/or installed &amp; commissioned at least 5 (Five) Mobile X-ray Container Scanner Systems abroad in the last three years. The offered model should be under commercial production and should have been deployed in marine cargo container scanning for more than three years with proven experience (fill-in Form 11). The tenderer should also certify that he or his OEM has not been a defaulter in any previous tender or supply in any part of the world and has not been blacklisted in any country.</p>	Is turnover and experience clause mandatory to fulfilling all JV companies or any one?	<p><i>In a Joint Venture bid, experience and financial status of the lead partner will be considered.</i></p> <p><i>Tender conditions prevail</i></p>
P3	Section 1	1.20 (q) Page 11	Documents in respect of maintenance of X-ray based scanner systems in the past in India.	Request you to exemption in respect of maintenance of X-ray based scanner systems in the past in India as we do not have any experience in maintenance & service in India, but we have experience abroad India.	<i>Tender conditions prevail.</i>
P4	Section 1 Method of Payments	1.79 Page 19		If we deliver machinery one by one after successful commissioning then what are the payment conditions? Is part payment allowed after installation of every single X-ray Scanning System?	<i>Depending on the progress made by the Supplier during project execution, payment for individual system could be considered.</i>
P5	--- do ---	1.79 (01), Page 19		Is bank guarantee for 110% of the amount sought as advance includes 10% performance deposit or not?	<i>Tender condition prevails.</i>
P6	Section 3 Site works & Services	3.12, Page 32	"....Detailed bill of quantities (for all items of works & supplies) shall be furnished in the technical bid....."	You have requested to submit BOQ in .xls format but not provided any BOQ format as per online tender policy.	<i>Major items of works &amp; supplies may be listed, based on the total scope of works &amp; specified in the Tender.</i>
P7	Section 1, Tender submission	1.1 (vi), Page 5	Tenders along with scanned copy of Tender Fee & EMD should be submitted online along with technical bid on or before 14.10.2019 by 13:00 Hrs	Request you to 30 days extension in due date, as this period is very short to arrange all documents.	<i>To be read a "Tenders along with scanned copy of Tender Fee &amp; EMD should be submitted online along</i>

					with technical bid on or before 31.10.2019 by 13:00 hrs."
			<b>Other queries raised during the meeting</b>		
Q1	Section 4, File format	4.64, Page 47	"All data and images must be archived on a unified storage, processing platform enabling them to be processed on any of the work station irrespective of the device used for scanning....."	Please clarify the unified storage format.	<i>Raw image files must be provided in latest version of 'Unified File Format (UFF)' as approved by World Customs Organisation as on the date of filing of the bid. Each container scanner must have software capability of machine learning &amp; analysis and of providing effective interpretation and decision support to the image analyst. The software tool should be capable of using old raw images of scans for comparison with new raw images of scans.</i>
Q2	Section 4 Networking	4.66, Page 48	"The images from the respective system shall be sent wirelessly and automatically to Image Analysis Workstation at the adjacent Supervisor's office and shall not affect the operation of the local system....."	There will be <i>Wifi</i> connection between the scanner module and inspection stations located outside radiation exclusion zone.	<i>Vendor needs to ensure that the scanner equipment : local wifi or wireless communication does not have access to open internet network.</i>
Q3	Section 4 Weigh-bridge	4.91, Page 50	An electronic weigh bridge, capable of weighing up to 70 MT, within an accuracy of $\pm 1\%$ , should be provided	Should weigh-bridge be supplied by the vendor, as space allotted to install scanner system at MPT is not adequate?	<i>Weigh-bridge of specified specifications shall be supplied by the vendor at all locations, except for MPT (Goa). In MPT, an electronic weigh-bridge exists near to the site of scanner installation (approx. 300 meters away). Vendor shall</i>

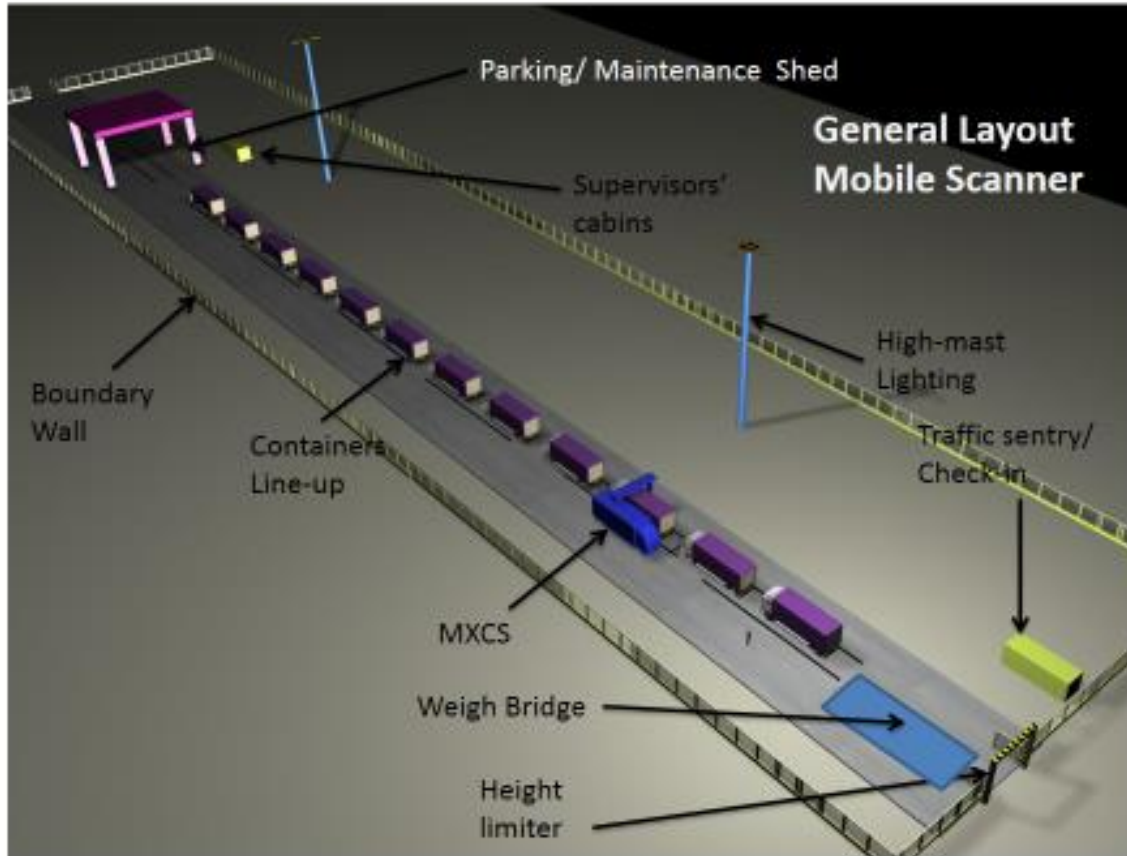


					provide all hardware and software to connect this weigh-bridge to the scanner module for real time transfer of weight and corresponding container number.
Q4	Section 4, Provision at Site	4.94, Page 51	The MXCS and its associated systems/ equipment shall be able to fit into and operate within the maximum available area of 180 meters long x 45 meters wide.....”	It is noted that size of plot at MPT (Goa) is only 110 meters long x 30 meters wide. What is the scheme of installing scanner system in this plot?	It is assessed that length of the plot is adequate to carry out scanning operation (radiation exclusion zone); while pre-scan and post-scan operations will be conducted outside the plot area. However, shielding wall (of suitable material and requisite dimensions, based on radiation shielding calculations including sky shine) will need to be constructed by the vendor along the boundary of existing bulk storage shed so as to limit the radiation from the scanner system within the value as permitted by AERB.
Q5	Section 4, Provisions at Site	4.97, Page 51	“....The supervisors and additional inspectors will function from minimum two (2) numbers of adequately sized lift and shift type pre-fabricated offices which will be supplied by the Bidder.....”	There could be need for additional space for drivers’ to stay at site awaiting results of image analysis. DoL may examine the need.	One more air-conditioned pre-fabricated cabin with sitting facilities of 12 persons (drivers etc.) to be supplied by the vendor.

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## Appendix III

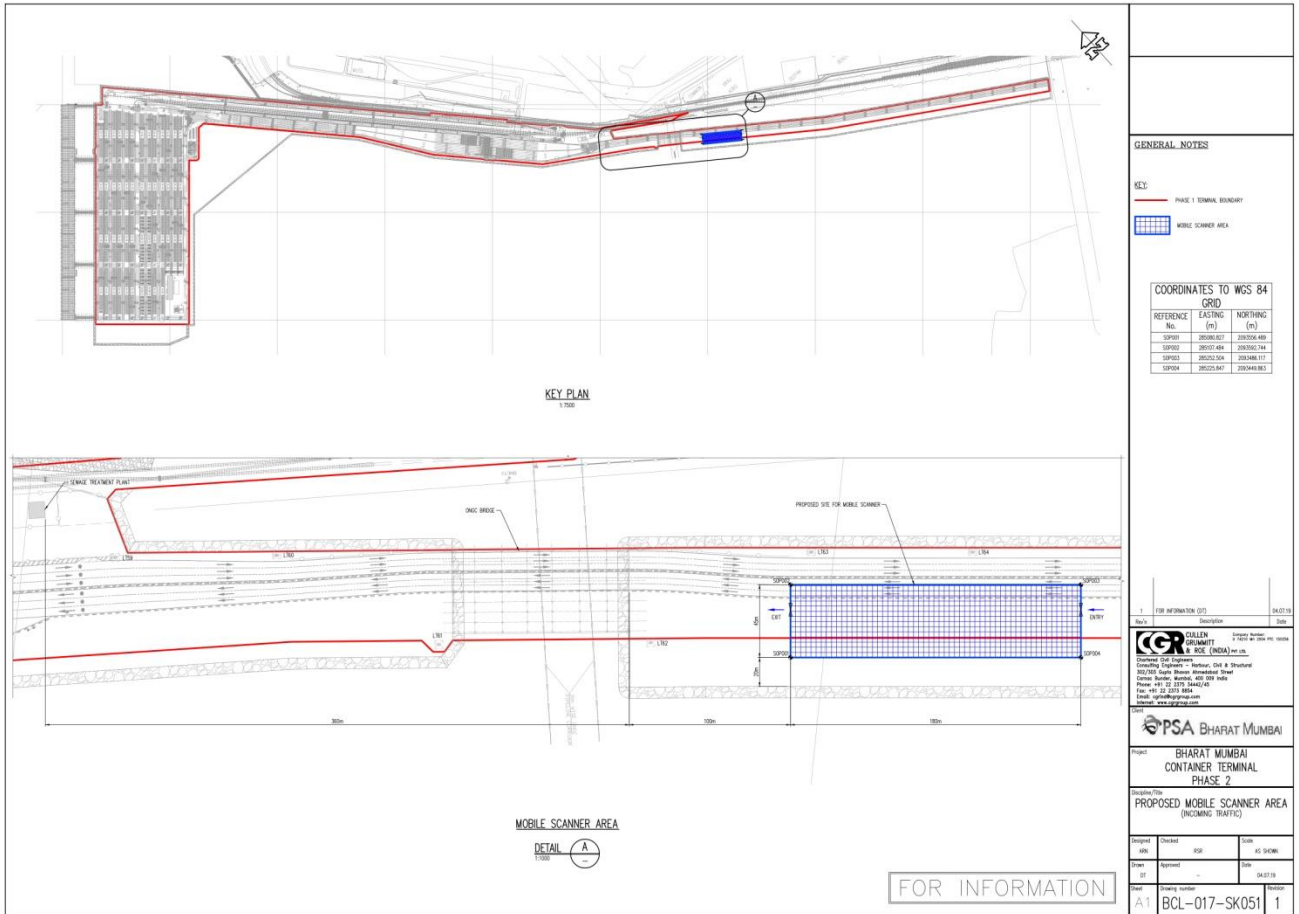
### Schematic Layout of Mobile X-Ray Container Scanner Facility





**Plot Plan for Mobile X-Ray Container Scanner Facility**

**Site Layout - BMCT (JNPT)**



**GENERAL NOTES**

- KEY**
- PHASE 1 TERMINAL BOUNDARY
  - MOBILE SCANNER AREA

REFERENCE No.	GRID	
	EASTING (m)	NORTHING (m)
SP001	282000.007	2082004.493
SP002	282000.048	2082002.741
SP003	282000.004	2082008.177
SP004	282000.047	2082004.883

1 FOR INFORMATION (17) 04/27/19

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**PSA BHARAT MUMBAI**

Project: **BHARAT MUMBAI CONTAINER TERMINAL PHASE 2**

Issued For: **PROPOSED MOBILE SCANNER AREA (INCOMING TRAFFIC)**

Design	Checked	ISS	Date
AKB			05/10/2018
Drawn	Approved		Date
BT			04/27/19
Sheet	Drawing Number		Revision
A/1	BCL-017-SK051		1

**Appendix IV (a)**

Tender No. 08 (AS)/2019 dated 27.08.2019

Name of work : Supply, Installation, Commissioning, Site Preparation &amp; Maintenance of Mobile X-ray Container Scanner (MXCS).

Subject : Site information to be provided to prospective Bidders.

S.No	Issues	Site Information relating to Port BMCT-JNPT
1	Clearances & Approvals	
	(i) Any approvals / clearances required from Port Authorities ?	Only formal permission is required, which will be given immediately. Measures shall be taken to ensure that there shall be no hindrance / obstruction to the ongoing flow of traffic or any other work normally being carried out by the Terminal.
	(ii) Any clearance required from terminal operator ?	As above
	(iii) Approvals required from any other local authorities / bodies ?	No
2	Existing underground services	
	Are there any underground services / cables, etc. running through the plot or any other existing encumbrances? (These will need to be relocated / removed by the Port prior to handing over.	No. Except storm water drainage. The layout will be made available immediately as required.
3	Geo-technical investigation	
	Geo-technical reports / data pertaining to the site for scanner installation? (Sample report may be provided, if available).	No. Bore log data is readily not available
4	Foundation	
	(i) Type of foundation for nearby existing building.	Raft / Open foundation may be designed. The drawings indicating foundation details shall be made available.
	(ii) Any recommendation on foundation for scanner facility.	Depends upon design.
5	Plinth level	
	(i) Highest flood level	+4.5 C.D. Highest Tide level
	(ii) Level of approach roads	+7.0 C. D.
	(iii) Existing drainage arrangement around the site of installation	Surface drainages
6	Debris clearance	
	(i) Debris available before, during and after construction will be cleared and deposited with lead and lift at the	Within 5 Km range. The location will be given by the Port Authorities.



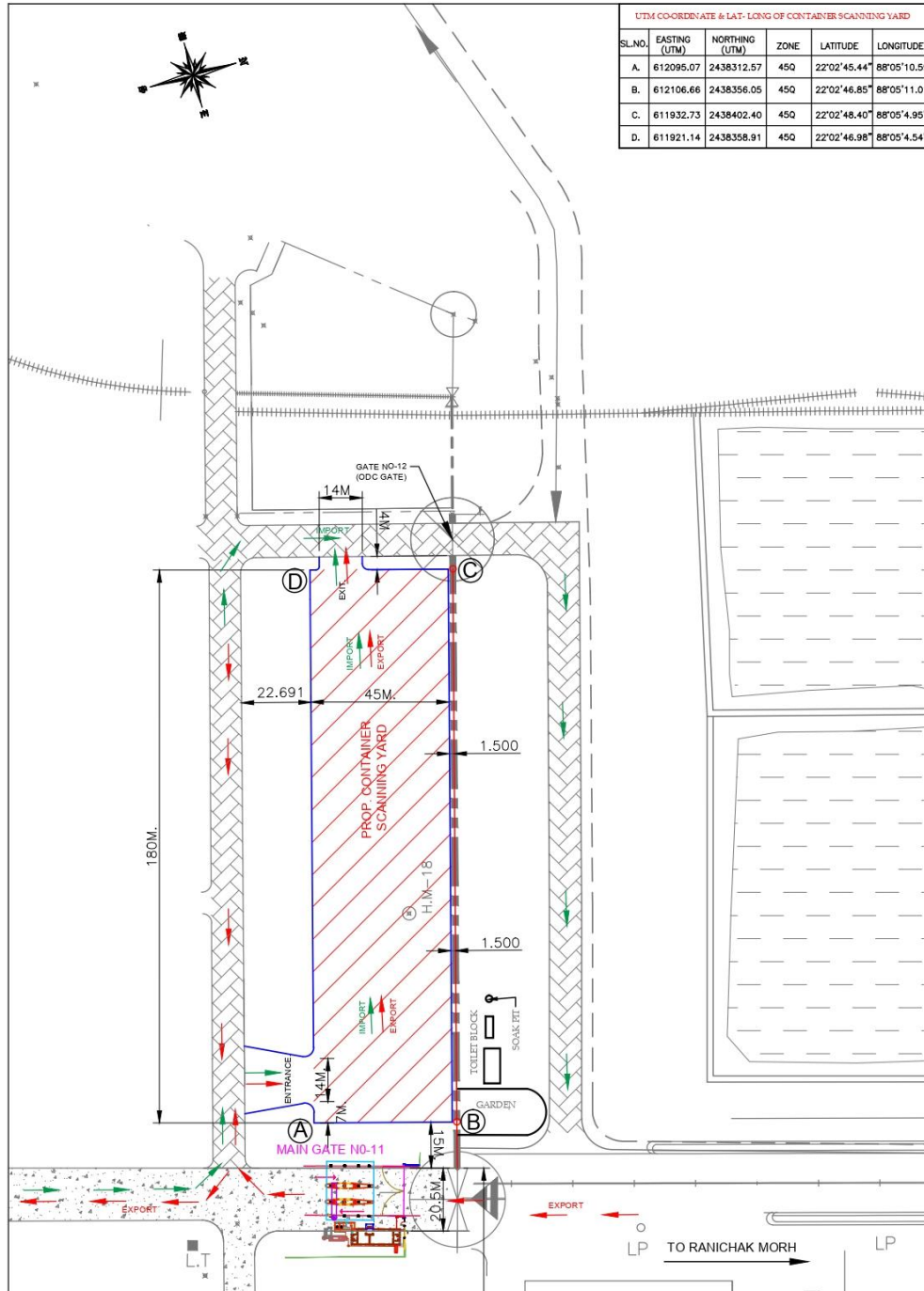
		designated locations. (Port may indicate approximate distance involved).	
	(ii)	Any dumping charges will be levied by the Port ?	No.
7	Water supply		
	(i)	Adequate quantity of daily drinking water supply by the Port Authorities during construction period and operation of the facility (To be made available by the Port).	No. Contractor to make his own arrangements during construction.
	(ii)	Any need for underground storage of water in scanner facility ?	No. But may be assessed during site visit.
	(iii)	Will water be available to the contractor for construction purposes? If yes, will it be chargeable and rate.	No. Water will not be made available for construction purposes. The contractor will have to make his own arrangements.
8	Storm water		
		Location of nearest storm water drain at the site of the scanner installation to which the discharge from the facility to be connected ?	Sketch will be made available.
9	Fire water line		
	(i)	Distance of nearest fire tender available at the Port	At approx 4 to 5 Kms from location. Within JNPT Port boundaries.
	(ii)	Nearest location of fire-water line to which the contractor can connect ring main of the scanner facility?	Nearest location of fire water line is at 3 Km distance from the proposed location.
10	Electrical power		
	(i)	Available for facility construction ? If yes, is it chargeable and rate at which charges are levied ?	Not available. During construction, necessary arrangements to be made by contractor.
	(ii)	Supply of power during regular operation of the facility ?	For regular operation of the facility power can be drawn from BMCT network. However it has to be consulted and assessed with all load details. Necessary cabling etc. to be done by contractor from the nearest source.
	(iii)	Distance of source for power supply ?	Depends upon requirement of power and nearest source from where BMCT allows to tap the power. This may be confirmed during site visit.
11	Site management		
	(i)	For men material movement to & from site any permission required ?	Yes. Terminal Operator will give necessary permissions. However, PPE & safety norms to be followed.
	(ii)	Any special permission required for foreign visitors to visit the site of	Yes. As per Terminal Operator, CISF norms.

		installation ?	
	(iii)	Can space for temporary office / storage shed be provided outside construction area?	Within construction area, the same to be arranged.
12	Hot work permit		
		For welding, gas cutting etc during construction any permission of Port Authorities required ?	Yes. The safety office of Terminal Operator will provide the same and contractor will need to follow safety norms.
13	Entry & Exist roads		
		Will Port Authorities construct the roads leading to and from the scanner facility ? If not, the distances involved for construction by the contractor.	Though the site has approach road, some distance of road will need to be constructed by the contractor.
14	Communication Lines		
		Are there communication lines existing near to the site of scanner installation, which could be used for scanner facility ?	No.
15	Construction requirement		
		Specific construction requirements by the Port.	All drawings indicating the foundation details to be made available for the port records.



**Plot Plan for Mobile X-Ray Container Scanner Facility**

**Site Layout - Haldia (KoPT)**



**Appendix IV (b)**

Tender No. 08 (AS)/2019 dated 27.08.2019

Name of work : Supply, Installation, Commissioning, Site Preparation &amp; Maintenance of Mobile X-ray Container Scanner (MXCS).

Subject : Site information to be provided to prospective Bidders.

<b>S.No</b>	<b>Issues</b>	<b>Site Information relating to Haldia Port</b>
1	<b>Clearances &amp; Approvals</b>	
	(i) Any approvals / clearances required from Port Authorities ?	Yes
	(ii) Any clearance required from terminal operator ?	No
	(iii) Approvals required from any other local authorities / bodies ?	No
2	<b>Existing underground services</b>	
	Are there any underground services / cables, etc. running through the plot or any other existing encumbrances? (These will need to be relocated / removed by the Port prior to handing over.	There is no underground cables running through the plot.
3	<b>Geo-technical investigation</b>	
	Geo-technical reports / data pertaining to the site for scanner installation? (Sample report may be provided, if available).	To be ascertained at the site.
4	<b>Foundation</b>	
	(i) Type of foundation for nearby existing building.	Isolated Foundation
	(ii) Any recommendation on foundation for scanner facility.	No
5	<b>Plinth level</b>	
	(i) Highest flood level	+7.26 wrt KODS (chart details)
	(ii) Level of approach roads	+7.20 mtr KODS (chart details)
	(iii) Existing drainage arrangement around the site of installation	Nearby drainage system is available
6	<b>Debris clearance</b>	
	(i) Debris available before, during and after construction will be cleared and deposited with lead and lift at the designated locations. (Port may indicate approximate distance involved).	2 km (app.)
	(ii) Any dumping charges will be levied by the Port ?	No.
7	<b>Water supply</b>	
	(i) Adequate quantity of daily drinking water supply by the Port Authorities during construction period and operation of the facility (To be made available by the Port).	Drinking water may be provided by Port on chargeable basis. Water for construction to be arranged by the contractor.
	(ii) Any need for underground storage of water in scanner facility ?	Yes.
	(iii) Will water be available to the contractor for construction purposes? If yes, will it be	No. to be arranged by the contractor.

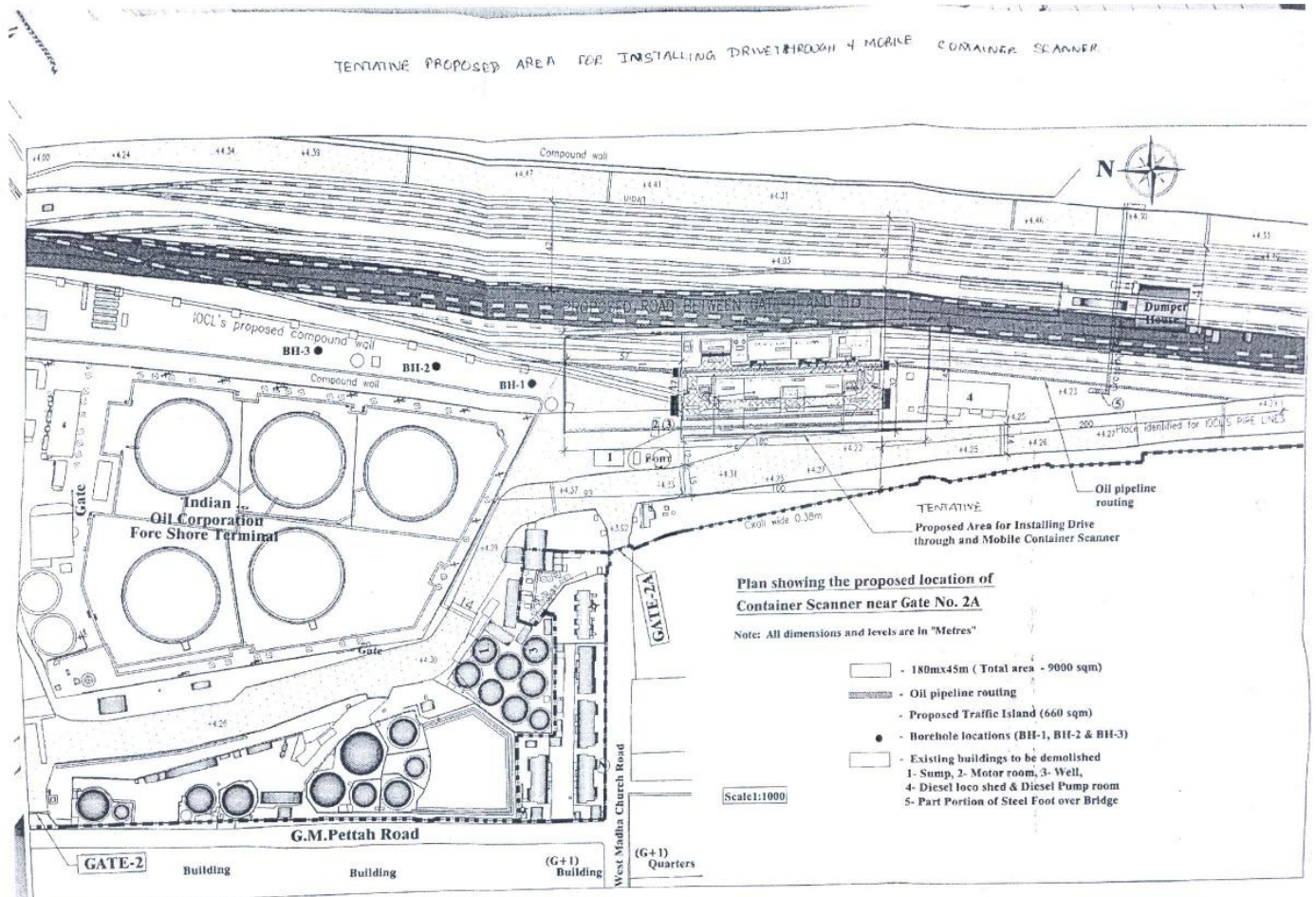


		chargeable and rate.	
8	Storm water		
		Location of nearest storm water drain at the site of the scanner installation to which the discharge from the facility to be connected ?	75 mtr. (app)
9	Fire water line		
	(i)	Distance of nearest fire tender available at the Port	5 km (app)
	(ii)	Nearest location of fire-water line to which the contractor can connect ring main of the scanner facility?	1 km (app)
10	Electrical power		
	(i)	Available for facility construction ? If yes, is it chargeable and rate at which charges are levied ?	Upto 35 Kw LT 3 Phase power supply may be provided from the nearby feeder pillar box which is approx 200 mtrs away. In case, demand is above 35 Kw, HT 3 Phase power supply at 3.3 Kv level may be provided from the nearest Substation which is approx 900 mtrs away. Necessary action for drawing the power should be made by the contractor at his own cost, risk & arrangement. Power would be provided on chargeable basis Rate will be as per SEDCL plus 19.25% as approved by TAMP.
	(ii)	Supply of power during regular operation of the facility ?	Considering demand above 35 Kw, HT 3 Phase power supply at 3.3 Kv level would be provided from the nearest Substation which is approx 900 mtrs away.  Necessary action for drawing the power should be under the scope of the contractor which will include supply & installation of Cable. Transformers, LT Switchgears, etc.  For the purpose of application (by HDC, KoPT) for obtaining necessary approval/clearance from the Regional Inspectorial Organisation, Central Electricity Authority/Statutory Authority, the contractor would have to submit/deposit required documents, drawings, test certificates/reports etc. to HDC, KoPT. The contractor along with the required documents, drawings, test certificates/reports, etc. would also have to be present during inspection by the Regional Inspectorial Organisation, Central Electricity Authority/Statutory Authority.

			The contractor should clearly understand that though the application would be made by HDC, KoPT to the Regional Inspectorial Organisation, Central Electricity Authority/Statutory Authority, for obtaining necessary approval/clearance from them, it is the responsibility of the contractor concerned to obtain the approval/clearance from the Regional Inspectorial Organisation, Central Electricity Authority/Statutory Authority against the work executed by the contractor
	(iii)	Distance of source for power supply ?	As already stated at (ii) above, the distance of source for supply is approx 900 mtrs.
	(iv)	Any need to establish an electrical substation by the scanner supplier	An electrical substation (3.3 KV/415 V) need to be established by the scanner supplier. Detailed scope mentioned at (ii) above.
11	Site management		
	(i)	For men material movement to & from site any permission required ?	Yes.
	(ii)	Any special permission required for foreign visitors to visit the site of installation ?	Yes.
	(iii)	Can space for temporary office / storage shed be provided outside construction area?	Yes. On chargeable basis.
12	Hot work permit		
		For welding, gas cutting etc during construction any permission of Port Authorities required ?	Yes.
13	Entry & Exist roads		
		Will Port Authorities construct the roads leading to and from the scanner facility ? If not, the distances involved for construction by the contractor.	No. 40 mtr. (app.) for entry and 20 mtr (app.) for exit.
14	Communication Lines		
		Are there communication lines existing near to the site of scanner installation, which could be used for scanner facility ?	No.
15	Construction requirement		
		Specific construction requirements by the Port.	Permission for construction activities to be obtained from Port Authority before commencement of construction.

**Plot Plan for Mobile X-Ray Container Scanner Facility**

**Site Layout - Chennai**





**Name of work: Supply, Installation, Commissioning, Site Preparation & Maintenance of Mobile X-Ray Container Scanner (MXCS)**

**Subject : Site information to be provided to prospective bidders during pre-bid meeting.**

S.No	Issues	Site information relating to Chennai Port
1.	Clearances & Approvals	
	(i) Any approvals / clearances required from Port authorities?	Competent Authority sanction is required.
	(ii) Any clearance required from terminal operator?	No.
	(iii) Approvals required from any other local authorities / bodies	No.
2.	Existing underground services	
	Are there any underground services / cables etc. running through the plot or any other existing encumbrances? (These will need to be relocated / removed by the Port prior to handing over of the Plot)	The list of existing buildings / other structures (including Railway Tracks and Over Head Electrical {OHE} posts) in the identified site are enclosed. Action has been initiated to dismantle /demolish the structures up to ground level prior to handing over the site. In addition, the underground dumping well of the Dumper house will be filled up with building debris up to ground level. The bidder shall take in to account the above while designing new structures at this location.
3.	Geo-technical investigation	
	Geo-technical reports / data pertaining to the site for scanner installation? (Sample report may be provided, if available)	IOCL's Sub soil investigation report dated 27/05/2015 for Foreshore "A" Terminal (Adjacent area of proposed site) is enclosed.
4.	Foundation	
	(i) Type of foundation for nearby existing building?	Raft foundation for Oil Tank farms, Column foundations for Overhead tank, Buildings, etc., in the neighboring area.
	(ii) Any recommendation on foundation for scanner facility?	Nil.

5.	Plinth level		
	(i)	Highest flood level	Since this area has adequate drainage facilities, water stagnation will be negligible. However the pavement finished level shall be fixed atleast 450mm above the existing road levels.
	(ii)	Level of approach roads	Enclosed.
	(iii)	Existing drainage arrangement around the site of installation	Enclosed.
6.	Debris clearance		
	(i)	Debris available before, during and after construction will be cleared and deposited with lead and lift at the designated locations. (Port may indicate approximate distance involved)	Debris shall not be dumped inside the Port premises. All debris shall be taken away from the Port Premises.
	(ii)	Any dumping charges will be levied by the Port?	Not applicable for dumping outside the Port premises.
7.	Water Supply		
	(i)	Adequate quantity of daily drinking water supply by the Port authorities during construction period and operation of the facility. (To be made available by the Port)	Nearest water point available at 350m (approx.) from the facility. Contractor has to bear the expenditure for tapping the water from this point and the necessary way leave charges, water charges shall be payable by the contractor. Quantum of water required to be indicated.
	(ii)	Any need for underground storage of water in scanner facility?	Yes. Depends on daily requirement of Water
	(iii)	Will water be available to the contractor for construction purposes? If yes, will it be chargeable and rate at which charge levied?	Yes, on chargeable basis as per Trust terms and conditions. [copy enclosed]
8.	Storm water drain		
		Location of nearest storm water drain at the site of the scanner installation to which the discharge from the facility to be connected?	Sketch enclosed.
9.	Fire water line		
	(i)	Distance of nearest fire tender available at the Port.	2 Km (West fire Station)
	(ii)	Nearest location of fire-	At new pump house near BOD entrance.

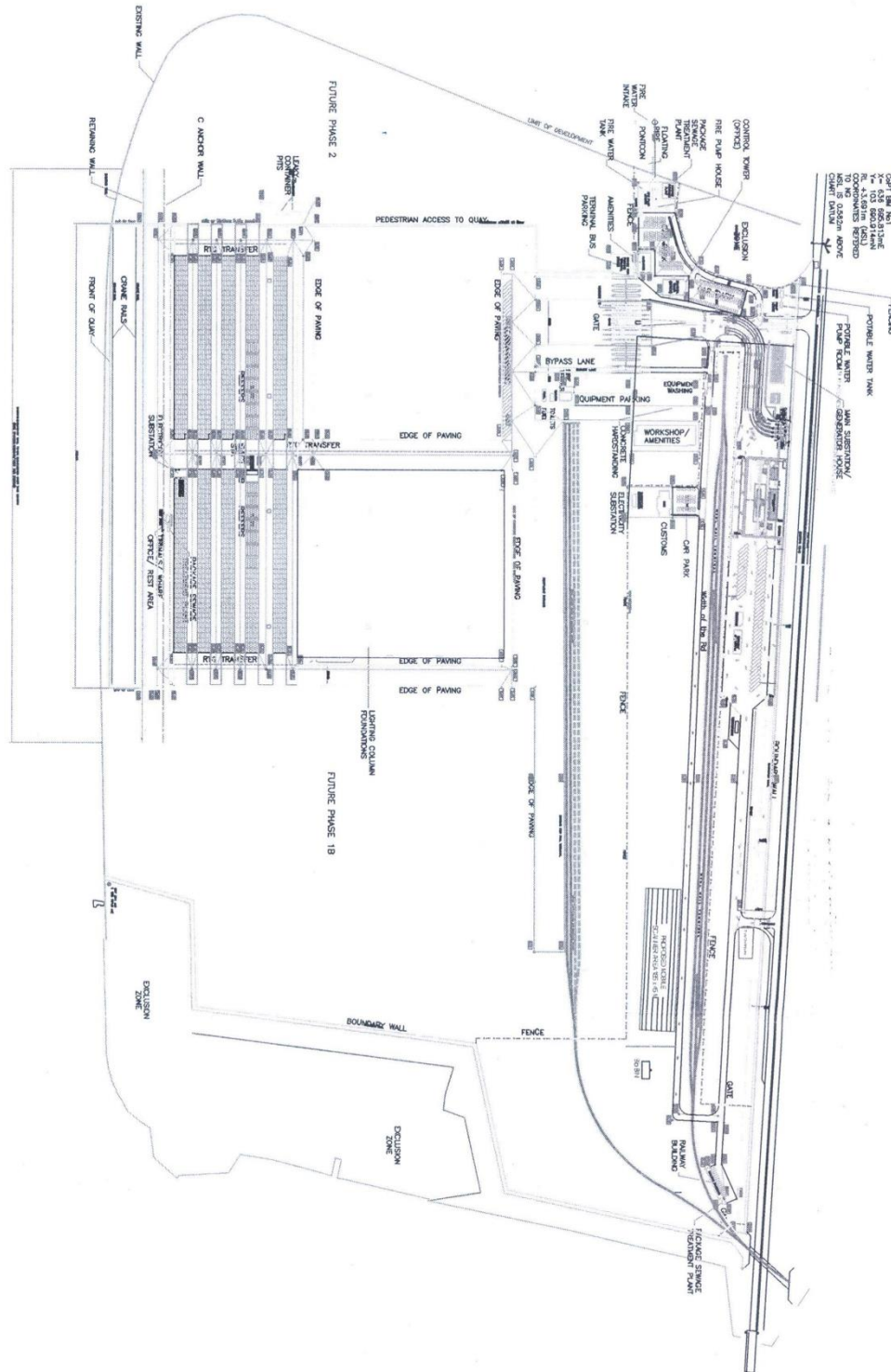
		water line to which the contractor can connect ring main of the scanner facility?	
10.	Electrical power		
	(i)	Available for facility construction? If yes, is it chargeable and rate at which charges are levied?	To provide Temporary power supply based on the contractor's requirements. The consumption charges will be applicable as per ChPT's norms. Model of calculation for 1 KW is enclosed.
	(ii)	Supply of power during regular operation of the facility?	Permanent power supply will be provided (H.T. / L.T.) as per ChPT's norms after completion of works. However, all the expenses for tapping power from the source including cable, circuit breakers (H.T/ L.T) substation if required & D/G set etc., to be borne by the contractor. Model of permanent power supply calculation is enclosed. The user has to obtain the required ROW permission from ChPT for laying the required HT/LT cables and to pay the way leave charges as per the rules in force by ChPT. The contractor has to pay the required SD for availing Temporary / Permanent power supply as per rules in force by Ch.P.T.
	(iii)	Distance of source for power supply?	The distance between 33 KV substation and the proposed MXCS is approximately 600 Mtrs.
11	Site management		
	(i)	For men-material movement to & from site any permission required?	Yes. Required from Port authorities. (Harbour Entry Permits)
	(ii)	Any special permission required for foreign visitors to visit the site of installation?	Yes. From Immigration Department
	(iii)	Can space for temporary office / storage shed be provided outside construction area?	Available and can be spared at the time of construction on Rental basis.
12.	Hot work permit		
		For welding, gas cutting etc. during construction any permission of Port Authorities required?	Yes. Hot Work Permit required from Port Fire Officer.



		Will Port authorities construct the roads leading to and from the scanner facility? If not, the distances involved for construction by the contractor	No. Site entry and exit roads are within the scope of contractor. Approximate distances shown in the enclosed sketch.
14	Communication lines		
		Are there communication lines existing near to the site of scanner installation, which could be used for scanner facility?	Communication is available near Gate No.2A of Chennai Port Trust which is about 1 Km away from the proposed Container Scanner Area. Necessary communication facility will be provided based on the request applied through M/s. Rail Tel Corporation Ltd., on chargeable basis.
15	Construction requirements		
		Specific construction requirements by the Port.	Nil.

Plot Plan for Mobile X-Ray Container Scanner Facility

Site Layout - DPW (Cochin Port)



**Appendix IV(d)**

Tender No.: 08 (AS)/2019 dated 27.08.2019

Name of Work: Supply, Installation, Commissioning, Site Preparation &amp; Maintenance of Mobile X-ray Container Scanner (MXCS)

Subject: Site information to be provided to prospective Bidders.

S. No.	Issues	Site Information relating to Cochin Port
1	Clearances & Approvals	
	(i) Any approvals/ clearances required from Port authorities?	Proposed site is on lease from Cochin Port Trust to the Terminal Operators (IGTPL)
	(ii) Any clearance required from terminal operator?	Construction staff / vendors needs to take gate entry permission as per IGTPPL rules. All construction workers need to follow related safety standards as well as to follow instructions of IGTPPL safety dept.
	(iii) Approvals required from any other local authorities/ bodies?	Special permission for Foreign origin staff required as per immigration rules.
2	Existing underground services	
	Are there any underground services/ cables, etc. running through the plot or any other existing encumbrances? (These will need to be relocated / removed by the Port prior to handing over of the Plot)	No cable / drain is passing through the allocated land.
3	Geo-technical Investigation	
	Geo-technical reports/ data pertaining to the site for scanner installation? (Sample report may be provided, if available)	No report available. Vendor needs to arrange for Geo technical data for site.
4	Foundation	
	(i) Type of foundation for nearby existing building?	Nearby building has stone column with raft foundation. Outside the premises building has pile foundation.
	(ii) Any recommendation on foundation for scanner facility.	Recommended foundation type is pile.
5	Plinth level	
	(i) Highest flood level	+9-meter CD
	(ii) Level of approach roads	+3.15-meter CD
	(iii) Existing drainage arrangement around the site of installation.	Earth and drain.
6	Debris clearance	
	(i) Debris available before, during and after construction will be cleared and deposited with lead and lift at the designated locations. (Port may indicate approximate distance involved).	Cochin Port Trust has informed that the debris clearance will be permitted as carried out in the case of installation of Drive through Scanner at ICCT, Vallarpadam.



	(ii)	Any dumping charges will be levied by the Port?	
7	Water supply		
	(i)	Adequate quantity of daily drinking water supply by the Port Authorities during construction period and operation of the facility. (To be made available by the Port).	Water for daily drinking during construction to be provided by Vendor.
	(ii)	Any need for underground storage of water in scanner facility?	Requirement of underground storage of water in scanner facility is dependent on overhead storage capacity.
	(iii)	Will water be available to the contractor for construction purposes? If yes, will it be chargeable and rate at which Charges levied?	Water for construction and drinking water during construction to be provided by Vendor.
8	Storm water drain		
		Location of nearest storm water drain at the site of the scanner installation to which the discharge from the facility to be connected?	Storm water drain distance is 500 meter
9	Fire water line		
	(i)	Distance of nearest fire tender available at the Port.	Nearest Municipal Fire Station is 5.5 kms from the site (Malipuram)
	(ii)	Nearest location of fire-water line to which the contractor can connect ring main of the scanner facility?	Extension is not feasible.
10	Electrical power		
	(i)	Available for facility construction? If yes, is it chargeable and rate at which charges are levied?	Electricity (If required) will be provided by IGTPPL on temporary and chargeable basis.
	(ii)	Supply of power during regular operation of the facility?	Electricity supply for regular operation to be arranged by COPT, app distance 3 km.
	(iii)	Distance of source for power supply?	Approx. distance 1.5 km.
11	Site management		
	(i)	For men-material movement to & from site any permission required?	Required from SEZ authority for material and access passes from security after safety induction
	(ii)	Any special permission required for foreign visitors to visit the site of installation?	Yes from immigration. Business visa required
	(iii)	Can space for temporary office/ storage shed be provide outside construction area?	Vendor to arrange temporary shed / cabins / toilet during construction activity. Space may be considered and needs to be returned in as is condition. IGTPPL needs to know how

			much space is needed.
12	Hot work' permit		
		For welding, gas cutting etc. during construction any permission of Port Authorities required?	<p>Hot work rules:</p> <ol style="list-style-type: none"> <li>a. Safety Helmet, Fluorescent Coloured (Green / Orange) Jacket with 2" wide reflective stickers, Safety Shoes is mandatory for getting entry into the Terminal for construction workers and all site personnel associated with the work.</li> <li>b. Smoking is strictly prohibited.</li> <li>c. Work Permit required for W@H &amp; Hot work activities. A designated Safety Officer is required and a Safe Work Plan needs to be submitted before commencement of the work</li> <li>d. 100% Safety Induction required for all personnel entering the Terminal.</li> <li>e. As per IGTPPL Safety Regulation. Work Permit is required. Works at height activities also need Work Permit &amp; Fall Protection Equipment.</li> </ol>
13	Entry & exit roads		
		Will Port authorities construct the roads leading to and from the scanner facility? If not, the distances involved for construction by the contractor?	Rail crossing to be done as the road entry point activity.
14	Communication lines		
		Are there communications lines existing near to the site of scanner installation, which could be used for scanner facility?	Communication lines near the site are not available, vendor needs to arrange.
15	Construction requirements		
		Specific construction requirements by the Port.	<ol style="list-style-type: none"> <li>a. The proposed location is an SEZ and will need to be de-notified for the purpose of Installation of the Mobile Scanner.</li> <li>b. The customs documentation activities related to Exports may be co-located with the Mobile Scanner, to ensure linear flow and hence, room for sufficient Office space taken into account.</li> <li>c. The movement of export containers to the Bio Bin location will be planned in a way that they need to cross the railway line owned by Indian Railways passing through the terminal. This will require a new railway crossing to be constructed at the location next to the Vallarpadam Railway station and</li> </ol>

			permission obtained for passage of container trucks through the crossing which may please be included in the project by Indian Customs and implemented in coordination with the Indian Railways.
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Plot Plan for Mobile X-Ray Container Scanner Facility

Site Layout - Goa





**Appendix IV(e)**

Tender No. 08 (AS)/2019 dated 27.08.2019

Name of work : Supply, Installation, Commissioning, Site Preparation &amp; Maintenance of Mobile X-ray Container Scanner (MXCS).

Subject : Site information to be provided to prospective Bidders during pre-bid meeting.

<b>S.No</b>	<b>Issues</b>	<b>Site Information relating to Marmagaoa Port Trust, Goa / Customs, Goa</b>
1	Clearances & Approvals	
	(i) Any approvals / clearances required from Port Authorities?	Port has already issued permission in this regard.
	(ii) Any clearance required from terminal operator ?	Port is operating the terminal.
	(iii) Approvals required from any other local authorities / bodies ?	Necessary permissions if required from any other Authorities/Bodies may be obtained from your end.
2	Existing underground services	
	Are there any underground services / cables, etc. running through the plot or any other existing encumbrances? (These will need to be relocated / removed by the Port prior to handing over.	Underground electrical HT/LT cables are running through the plot connecting Referee container kiosk. The cable will not be relocated by MPT will doing the work. Care to be taken not to damage the same. For cable location CME/MPT may be contacted for indicating the location. No other encumbrance existing.
3	Geo-technical investigation	
	Geo-technical reports / data pertaining to the site for scanner installation? (Sample report may be provided, if available).	To be ascertained at the site.
4	Foundation	
	(i) Type of foundation for nearby existing building.	Pile foundation for the shed. Isolated/raft foundation for other small buildings.
	(ii) Any recommendation on foundation for scanner facility.	No.
5	Plinth level	
	(i) Highest flood level	HFL is not available as close to sea., Maximum tide (+) 3.2 mtrs.
	(ii) Level of approach roads	(+)4.8 mtrs.
	(iii) Existing drainage arrangement around the site of installation	Storm water drains are available in this area.
6	Debris clearance	
	(i) Debris available before, during and after construction will be cleared and deposited with lead and lift at the designated locations. (Port may indicate approximate distance involved).	05 Km at Headland.
	(ii) Any dumping charges will be levied by the Port ?	No.
7	Water supply	
	(i) Adequate quantity of daily drinking water supply by the Port Authorities during	Yes, if available. (if due to non-supply from PWD, Contractor has to make his

		construction period and operation of the facility (To be made available by the Port).	own arrangements)
	(ii)	Any need for underground storage of water in scanner facility ?	To be decided by the operator.
	(iii)	Will water be available to the contractor for construction purposes? If yes, will it be chargeable and rate.	No.
8	Storm water		
		Location of nearest storm water drain at the site of the scanner installation to which the discharge from the facility to be connected ?	Storm water drain available around the site.
9	Fire water line		
	(i)	Distance of nearest fire tender available at the Port	Fire water line available within 01 Km.
	(ii)	Nearest location of fire-water line to which the contractor can connect ring main of the scanner facility?	No connection can be given to Fire Hydrant Line.
10	Electrical power		
	(i)	Available for facility construction ? If yes, is it chargeable and rate at which charges are levied ?	Yes, Chargeable @ of Rs. 09/- per KWH
	(ii)	Supply of power during regular operation of the facility ?	Yes.
	(iii)	Distance of source for power supply ?	Within 01 Km.
11	Site management		
	(i)	For men material movement to & from site any permission required ?	Yes. Necessary RFID cards to be obtained from Traffic Dept. /MPT on chargeable basis.
	(ii)	Any special permission required for foreign visitors to visit the site of installation ?	Yes, Traffic Manager from Traffic Dept/MPT to be contacted subject to immigration clearance.
	(iii)	Can space for temporary office / storage shed be provided outside construction area?	Yes. On chargeable basis @ Rs. 572/- per 10 sqm or part thereof and per month or part thereof.
12	Hot work permit		
		For welding, gas cutting etc during construction any permission of Port Authorities required ?	Yes. How work permit required from Marine Dept./MPT
13	Entry & Exist roads		
		Will Port Authorities construct the roads leading to and from the scanner facility ? If not, the distances involved for construction by the contractor.	Allotted plot is connected to the approached of Entry & Exit.
14	Communication Lines		
		Are there communication lines existing near to the site of scanner installation, which could be used for scanner facility ?	No.
15	Construction requirement		
		Specific construction requirements by the Port.	Civil constructions if any, shall be carried out as per the relevant provisions in the IS Codes.