

**Tender No. : 01/CS/2014**

**Name of work: Supply, Installation, Commissioning, Facility Construction & Maintenance of Drive-through Container Scanner (Road)**

**Subject : Clarifications to site related queries/issues raised in pre-bid meeting – ICTT, Vallarpadam SEZ, Kochi**

A pre-bid meeting in respect of above mentioned tender was held on 05/08/2014 in the office of Commissioner, Directorate of Logistics (DOL), New Delhi. In the meeting, prospective participating bidders had raised certain queries related to the site at ICTT, Vallarpadam, Kochi. As these queries could be well addressed at site, the bidders were advised to visit the site of installation of the drive-through container scanner and also that a meeting will held in Kochi on 13/08/2014 to answer bidders' queries upon site visit.

2. Accordingly, the meeting was held on 13/08/2014 at 11.00 hrs. in the Conference Room of Commissioner, Customs, Kochi, which was attended by the representatives of Cochin Port Trust (CoPT), India Gateway Terminal Pvt. Ltd. (IGTPL), user Commissionerate, Directorate of Logistics, M/s Rapiscan and M/s Smith Detection Veecon Systems? A visit to the site of installation of Drive-through Container Scanner (Road) was also organized, wherein representatives of M/s Godrej and M/s ASE were also present. A visit was also arranged to the sub-station from where the electrical power for operation & maintenance of the scanner facility will be drawn by the Bidders.

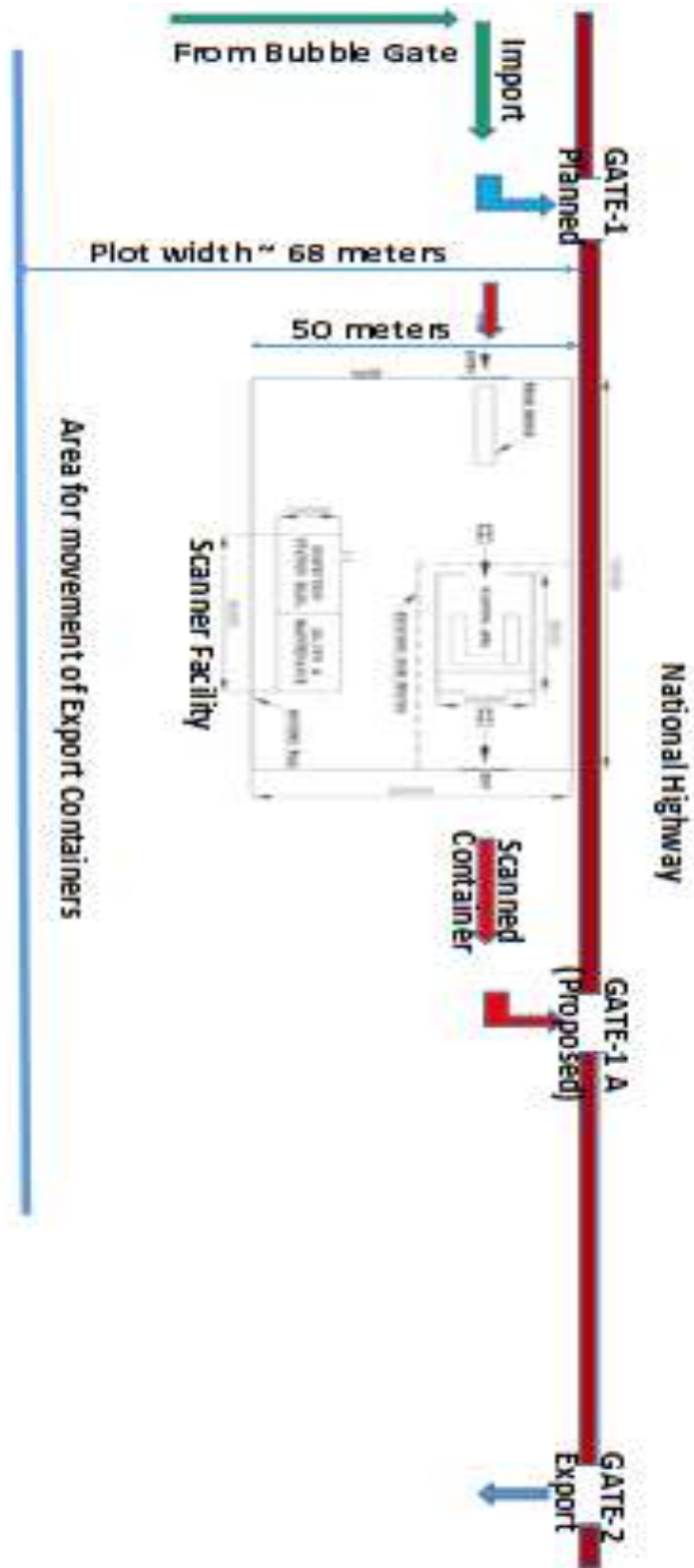
3. Clarifications to the queries/ issues raised by prospective bidders in the pre-bid meeting of 05/08/2014 and upon site visit are provided below:

S. No.	Queries/Issues	Clarifications/Response
1	Clearances & Approvals	
	(i) Whether CRZ regulations currently applicable for the proposed construction of the Facility? Any approval required?	The site is located in Vallarpadam SEZ, Kochi and presently, the site falls under CRZ-II classification.
	(ii) What all approvals/ clearances required from Port authorities?	Port has already allocated land for import container scanner and the same has been communicated to Commissioner, Customs.
	(iii) Any clearance required from terminal operator?	Only facility layout approval will need to be taken from the terminal operator i.e. IGTPL.
	(iv) Approvals from any other local authorities/ bodies?	Presently, approval of Development Commissioner, SEZ may be required. Also, all drawings for the construction of building(s)/ structure(s)/ facility (ies) shall be got approved by the Chief Engineer, CoPT before commencement of work.
2	Influence of Local Bodies	
	Are there any influences of the Local bodies to carry out the execution activities at site?	Presently, no known influence of local bodies to carry out the execution activities at site. Bidder can make his own independent assessment in this regard.
3	Existing underground services	
	Are there any underground services/ cables, etc. running through the plot?	There is a storm water drain line passing through the edge of the plot, which needs to be retained. Also, one LT cable to power electrical light poles is passing at opposite end of the plot, which can be rerouted locally. Existing green strip can be merged with the scanner facility.

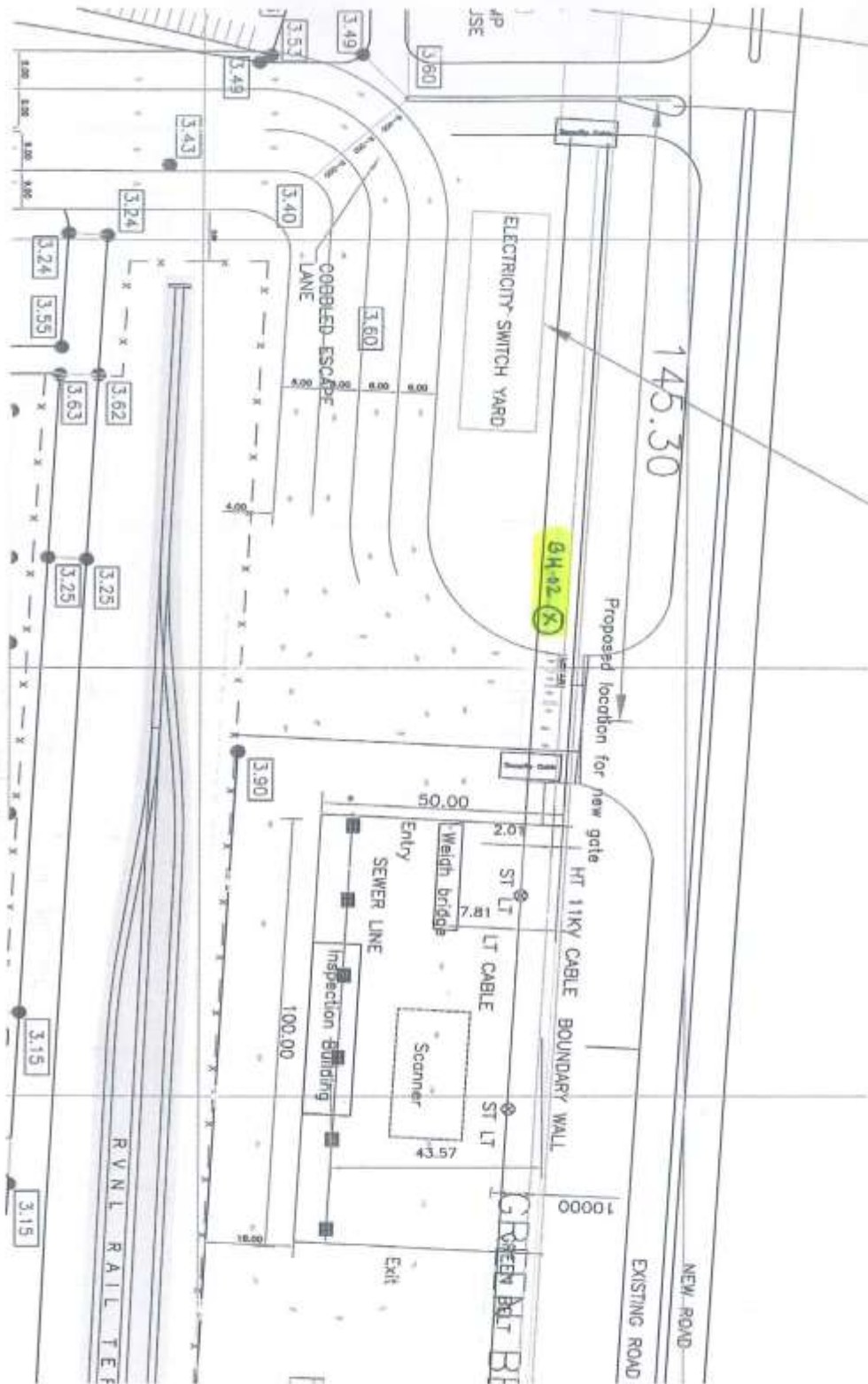
4	Geo-technical investigation		
		Are there any geo-technical report pertaining to the site for scanner installation available?	Bore-hole location and data as available with CoPT is attached. However, Bidder is advised to carry out geo-technical investigation of the scanner plot in order to obtain the details of underground strata and to decide on founding level and foundation design.
5	Foundation		
	(i)	Type of foundation for nearby existing building?	Raft foundation; however, this depends on the loads and loading pattern.
	(ii)	Any recommended foundation for scanner facility.	The site is reclaimed land highly prone to settlement. Bidder may consult soil experts to decide appropriate foundation.
6	Plinth level		
	(i)	Highest flood level	Highest flood level near to the site is (+) 0.618 mts. above MSL.
	(ii)	Level of approached roads	Around (+) 3.00 mts. above MSL  Scaled AutoCAD drawing of the zone of interest is attached.
	(iii)	Drainage condition	There is an existing storm water drain passing through the edge of the proposed facility.
7	Debris clearance		
	(i)	All debris available before, during and after construction which is encountered will be cleared and deposited with lead and lift at the designated locations shown by the respective port authorities.	Debris has to be dumped at a designated area (within a distance of 5 km).
	(ii)	Any dumping charges will be levied the Port?	No.
8	Water supply		
	(i)	Will adequate quantity of daily drinking water supply be made available by the Port Authorities during construction period and maintenance of the facility as a whole?	As there is a limited supply of water to Vallarpadam SEZ, it will not be possible to spare water for drinking & public health services during construction period. Bidder will have to make his own arrangement. For operation & maintenance of the Facility, as limited number of personnel (25 to 30) will be deployed and for that IGTPPL will supply water for drinking & public health services. For this purpose, water line will need to be extended by the Bidder from a distance of about 400 mts. However, while planning the extension, design must take into account the movement of loaded containers in the area.
	(ii)	Any need for underground storage of water in scanner facility?	It is suggested to have 10KL water tank as per water demand of the proposed facility.
	(iii)	Whether the contractor has to make his own arrangement for construction related water?	Yes.
9	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?	There is an existing storm water drain passing through the edge of the proposed facility. Storm water drain from the scanner facility can be connected this drain.

10	Fire water line		
		Nearest location of fire-line to which the contractor will connect ring main of the scanner facility?	Live & pressurized fire-water line is available at about 400 mts. from the plot of the scanner facility. Bidder can extend this line and connect to the ring main of the facility. However, while planning the extension, design must take into account the movement of loaded containers in the area.
11	Electrical power		
	(i)	During construction of the facility?	For construction activities, power can be supplied by IGTPPL from the existing sub-station (about 400 mts. away) on chargeable basis. Bidder to carry out necessary underground cabling work.
	(ii)	During regular operation of the facility?	For regular operation of the facility, CoPT will provide power, as per existing terms & applicable tariff, at 11 KV from a distance of about 800 mts. Cable laying work can be undertaken by CoPT on chargeable basis, for which lead time will be 4-5 months. Present applicable tariff (as per order of KSERC) HT-IV: Demand charge: Rs. 400/KVA/Month Energy charges: Rs. 7.20 per unit In addition to the above, the consumer is liable to remit the estimated cost for drawing the power from CoPT's sub-station to consumer premises as per new supply code 2014 (the approximate estimated cost comes to Rs. 25 lakhs – the estimate is for extending power supply to the tune of 150 KVA at 11 KV system).
	(iii)	Need to establish a sub-station by the scanner supplier?	Bidder will have to set up a sub-station to step down 11 KV to 430 V, as per the requirement.
	(iv)	Distance of source for supply?	Around 800 meters. However, the bidder can make their own assessment of cable lengths.
12	Site management:		
	(i)	Is it possible to set up labour camp near to site or inside SEZ area?	No labour camp in SEZ area allowed. However, construction work can be carried out on 24 x 7 basis, if required.
	(ii)	For men-movement any permission required?	Entry permit for men & material movement will need to be taken from SEZ main gate, as per the existing procedure of CISF security.
	(iii)	Any special permission required for foreign visitors?	For foreign visitors, additionally permission of local Police will need to be taken, for which normally three days lead time is desirable.
	(iv)	Can space for temporary office / storage shed be provide outside construction area, if need be?	As this is an operational site, maximum two containerised offices could be permitted to be kept outside scanner facility area during construction period.
13	Hot work' permit		
		For welding, gas cutting etc. during construction will prior permission of Port Authorities required?	No such requirement exists presently. However, the Bidder will need to follow site safety procedure during construction.
14	Entry & exit roads		
		Will Port authorities construct the roads leading to and from the scanner facility?	This is an operational site with well laid concrete road.

**LAY-OUT DIAGRAM:**



**SCANNER BORE HOLE DRAWING:**



**SOIL INVESTIGATION REPORT - COCHIN**

**MAIN INFRA CONSTRUCTION LTD**  
 12 TH FLOOR,KRUSHAL COMMERCIAL COMPLEX,GJM ROAD, CHEMBUR (W),  
 MUMBAI-400 055, INDIA.

**Borelog**  
 As Per IS 1892 : 2002

Job No : 0726  
 Date :  
 Page No : 1 of 1

**Project : Soil Investigation for the Proposed Buildings at Vallarpadam ICTT**  
**Client :- ICTT Vallarpadam**

R. L. : 2.948 m  
 Location : CH : 430, OCH : 715  
 Depth of GWL : --- m BGL  
 Bore Hole No. : 02  
 Depth of Bore Hole : 34.50 m BGL  
 Date of Commencement : 05 / 07 / 08  
 Date of Completion : 06 / 07 / 08

Depth (M)	R.L. (M)	Log	Description	Sample No.	Type	Depth (M)	SPT - N Value	UCS KN/5cm	Clay %	Silt %	Sand %	Gravel %	W / I / MC %	Remarks / Other Tests
0.00	2.948			01	SPT	1.50	01 00 01 01							
1.00				02	SPT	3.00	01 00 01 01							
2.00				03	SPT	4.50	01 01 01 01							
3.00				04	SPT	6.00	01 01 01 01							
4.00				05	SPT	7.50	01 00 01 01							
5.00				06	UDS	9.50	- - - -						- / - / 24	
6.00				07	SPT	10.50	01 01 01 01							- / - / 98
7.00				08	SPT	12.00	01 02 01 01							
8.00				09	SPT	13.50	01 02 01 01							
9.00				10	UDS	15.00	- - - -							- / - / 109
10.00	-7.052			11	SPT	16.50	02 01 02 02							
11.00				12	UDS	18.00	02 03 02 02	296						118 / 85 / 101
12.00				13	SPT	19.50	02 02 02 02							- / - / 90
13.00				14	SPT	21.00	02 01 02 02							- / - / 90
14.00				15	SPT	22.50	03 02 03 03							
15.00				16	UDS	24.00	- - - -							121 / 84 / 100
16.00	-13.552			17	SPT	25.50	03 03 03 03							- / - / 82
17.00				18	SPT	27.00	05 05 07 07							- / - / 122
18.00				19	SPT	28.50	06 08 08 08							- / - / 18
19.00				20	SPT	30.00	04 09 10 10							

D : Disturbed Sample  
 UDS : Undisturbed Sample  
 SPT : Standard Penetration Test  
 WS : Wash Sample  
 CR : Core Recovery  
 RQD : Rock Quality Designation  
 PR : Rate of Penetration  
 VST : Vane Shear Test  
 K : Permeability Test  
 PT : Packer Permeability Test

Site Engr: Sachin  
 Drawn By: Somnath  
 Checked By: Sarthak  
 Client Rept.

# MAN INFRA CONSTRUCTION LTD

12 TH FLOOR, KRUSHAL COMMERCIAL COMPLEX, G.M ROAD, CHEMBUR (W),  
MUMBAI-400 059, INDIA.

**Borelog**  
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								15	30	45	60	N	15	12							
30.00	30.00	-27.052																			
31.00					15	SPT	31.50	06	12	09			21								
32.00					16	SPT	33.00	05	11	13			24								
33.00					17	SPT	34.50	05	07	10			17								
34.00	34.50	-31.592		Greyish Clayey Sand With Shell Dust																	-1-142

D : Disturbed Sample  
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SPT : Standard Penetration Test  
WS : Wash Sample

OR : Core Recovery  
RQD : Rock Quality Designation  
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K : Permeability Test  
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Site Engrs: Sachin  
Drawn By: Sachin  
Checked By: Sachin  
Client Rept.