

## Response to the Pre-bid Queries

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1	47	<b>Bharat Electronics Limited (BEL)</b>	What is the purpose of triage area/ what is scope of work for vendor?	Explained in Section V II/ Clause II. The Vendor has to prepare the open area for assembly of patients and Triage.Triage is integral to the concept as it is to be used to segregate patients at entry. This would require dressed up area preferably at-least 20x20 mtrs, with impermeable canopy (fibre glass), with support pillars. It should have provision for movement of ambulance.
2		<b>BEL</b>	Is whole set-up movable/transportable?(by vehicle or helicopter)or both?	Not required.
3		<b>BEL</b>	Is any inside/detailed layout available for operator's area of decon system?	Line layout drawing is given with concept lay out plan.
4		<b>BEL</b>	What will be decontamination procedure /any additional scope for non ambulatory patients?	Explained under Section VII/ Clause II( Refer page No 47-50) . It should have a provision for decontamination of 80-100 ambulatory personnel /Hr with provision to decontaminate stretcher bound casualties and necessary utilities.
5	47	<b>BEL</b>	Is ICU (5 bed) and (10 bed) in vendors scope? Its not specified in BOM. Are all items Free Issue Material for vendor?	Yes, both 5 bedded ICU and 10 bedded Isolation ward [as specified in Section VII, Clause No. VI (Pg. 48) with HVAC] are in vendor scope.
6	47	<b>BEL</b>	Visit for one site for at least one site is required before techno-commercial proposal.	No, as there is no need for visit at this stage. An area of 50x50 Mtrs will be provided adjacent to already existing health facility.
7	15, 48	<b>BEL</b>	At one place its written,, quote all sites as same lump sum.. Other place its written,, add more equipments for isolation facility for 10 bed facility	Bidders are requested to quote uniform lump sum price for each Site/location. Explained in Section-III SIT. Isolation ward [as specified in Section VII, Clause No. VI (Pg. 48) with HVAC] is in vendor scope.
8	48	<b>BEL</b>	What is BEL's scope, For referral service of patient?	No scope
9		<b>BEL</b>	How many ACADA & CAM required per location exactly? At which locations they will be used?	1 ACADA and 6 CAM is required
10		<b>BEL</b>	who is inspection agency / approval agency for the project	A joint Central and State team with representatives from HITES. Inspection shall be carried out at three stages - before prefabrication, after prefabrication and before despatch and after installation and commissioning. For the first two cases if the inspection needs to be carried out at manufacturer premises outside India or within India purchaser shall bear the travel cost of the

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				inspecting team.
11	47,50	BEL	Area reqd.50x50 (pg47) or 30x30 (pg 50)	50 M X 50 M is the overall area earmarked for the entire facility (excluding isolation ward) – This includes (i) Triage area – 20 M X 20 M, (ii) Decontamination facility – 30 M X 30 M, (iii) Treatment area/5 bedded ICU – 10 M X 10 M and (iv) Waste water tanks (underground, modular, removable, on concrete support) – 2500 Ltrs x 4 Nos.
12		BEL	contact details/ for clarification before tender submission for each site	HLL Infra Tech Servces Limited B-14A Sector-62 Noida UP P-0120-4071500
13		BEL	Role/ scope/ services from H I TES and HLL in overall project	HITES is the Project Consultant for execution of work on turnkey basis.
14		BEL	In place of GID-3, can GDA-p be supplied?	As per the specifications given in the Tender Enquiry Document
15		BEL	time period for shower? Automatic / manual control? Required Procedure? Location of operation/ doctors?	Automated control with manual override.
16		BEL	Dimensions for 6th container? How many stretchers to be accommodated? Purpose for container. Storage/ treatment of patient or both?	Refer to Sr. number 5. It will accommodate 5 bedded ICU.
17	47, 52,56	BEL	Requirement of DG 63KVA(pg 56) OR 15KVAm (pg.47, 52)	2 X 15 KVA DGs will be required.
18		BEL	Is TLD or PLD required?	Not required
19		BEL	<b>Specs required for following items</b>	
20	66	BEL	2 micron filtration system	Basic function to be fulfilled. Specificaion to fullfill BIS/ISO specs.
21	66	BEL	NBC filtration system	Basic function to be fulfilled. Specificaion to fullfill BIS/ISO specs.
22		BEL	Respirator, integrated hood masks, direct reading dosimeter watch type, area monitor (NBC), water testing kit	Basic function to be fulfilled. Specificaion to fullfill BIS/ISO specs.
23		BEL	Stretchers dimensions and type/details	Specification attached
24		BEL	Dose rate meter full range	Basic function to be fulfilled. Specificaion to fullfill BIS/ISO specs.
25	Cots item	BEL	n-95 respiratory mask, surgical mask, protective eye wear, Pocket type dosi meter, TLD & PLD, Radioactively Shielded Flask	Basic function to be fulfilled. Specificaion to fullfill BIS/ISO specs.

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26		BEL	Is ICU (5 bed) and (10 bed) in vendors scope? Its not specified in BOM. Are all items Free Issue Material for vendor? IF not pl s provide specifications of following items	Refer to Sr. number 5.
27		BEL	Ventilators	Part of 5 bedded ICU. In vendors scope. Specifications is attached at Amendment no. 2
28		BEL	Monitors	Part of 5 bedded ICU. In vendors scope. Specifications is attached at Amendment no. 2
29		BEL	Defibrillators	Part of 5 bedded ICU. In vendors scope. Specifications is attached at Amendment no. 2
30		BEL	Suction Machines	Part of 5 bedded ICU. In vendors scope. Specifications is attached at Amendment no. 2
31		BEL	Infusion Pumps	Part of 5 bedded ICU. In vendors scope. Specifications is attached at Amendment no. 2
32		BEL	Hepa Filter	Basic function to be fulfilled.
33		BEL	Power Backup- Duration And Load	2 X 15 KVA DGs will be required.
34		BEL	Ante-Room. Air Lock System	Required for isolation ward.
35				
36		Yashvardhan Exports	The size of containers mentioned at Sr (j) in the specification of decontamination shelter is 6000 x 3000 mm, whereas Sr (p) on same page says it has to be as per ISO 668:1988 (E) and the latest amendments. The size as per ISO is 6000 x 2400 mm. Please confirm the size of the shelter.  If it is 6000 x 3000, please mention the height of the shelter.	Container based (as per standards provided) or pre-engineered, sizes not to exceed those mentioned in S. No. 11.
37		Yashvardhan Exports	Please specify if the water tanks required by you have to be of any specific material.	Underground tank- SS (304) underground, modular, removable, on concrete support – 2500 Ltrs x 4 Nos.
38		Yashvardhan Exports	The inspection mechanism is not been mentioned in the RFP. Please clarify on it.	Refer to Sr. No. 10.
39		Yashvardhan Exports	The layout plan uploaded is not clearly visible. A fresh clear copy of layout is requested.	Refer to Amendment no. 2 for clear visible layout plan

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40		BiosafeLab India Ltd	Please refer to Page No. 47 (Technical specification — Section VII); detailed specification for Biological containment facility is not mentioned. Please provide.	Isolation facility with HVAC has been included in vendor's scope
41		BiosafeLab India Ltd	Essential equipment's for Biological Safety and Chemical Safety such as Biosafety Cabinet, Fume Hood, Pass Box (for Material in and Out) and Autoclave, etc. are not mentioned in the tender document.	Not required
42		BiosafeLab India Ltd	Please refer Page No. 47 (Technical Specification — Section VII) Clause: Infrastructure —anti skid flooring is mentioned but for partition Panel, specification is not mentioned, whether PUF / PGCI Partition Panel is required. Please confirm.	Any non-permeable finish as per ISO standards.
43		BiosafeLab India Ltd	4. Please refer Page 73 (Qualification Criteria - Section — IX) — Kindly allow Joint Venture.	Not allowed
44		BNS Health	1. The exposed patient, (would arrive on a stretcher) needs to be attended by personnel dressed in full protection NBC suits and respirators	Technical matter raised – Bear no relevance to the specifications of the physical facility proposed. Also clarified during meeting held on 11.12.2018.
45		BNS Health	2. The patients need to be de-clothed and washed using a water hose, to wash away all the trapped CW agents in their clothing folds and on their skin.	Refer to Sr. No. 44.
46		BNS Health	a. The requirement of an Entry Container proposed, conflicts with the scientific logic of dealing with CW agent exposed patients. b. Specially when the causality bags carrying the exposed victims will be opened up, all the accumulated Chemical warfare agents will immediately get released in the vicinity. So if its an enclosed space, it will definitely contaminate the area heavily.	Refer to Sr. No. 44.
47		BNS Health	3. The patients than need to be shaved of all hair on head / face so as to minimize their further exposure to	Refer to Sr. No. 44.

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			the CW agents trapped in their hair.	
48		BNS Health	4. They can then be moved to the proposed enclosed area (container) as they will then have the lowest chance of contaminating the container airspace.	Refer to Sr. No. 44.
49		BNS Health	5. At least two hand held Chemical warfare agents detectors will be required per container, to verify the de-contamination done on patients and to verify the air quality contamination inside this container.	Refer to Sr. No. 9.
50		BNS Health	6. Integrated Hood Masks : a. The specifications are not defined. b. As all patients will need to be immediately protected with this hood mask, the quantity mentioned (5 pcs only) needs to be re-checked & specified again.	Integrated Hood Masks -Basic function to be fulfilled. Hood mask is for healthcare worker not for patients
51		BNS Health	7. The CW agent detector : The stipulated technology in the tender (IMS) is a very dated technology and has severe limitations in applying to a Quick response Hospital application, for the following reasons : a. Chemical detectors based on IMS technology are very limited in their detection capabilities as only a max of 20 agents (CW agents + TICS + TIMS) can be incorporated in their library. Addition of more than 20 agents results in continuous false alarms. b. It is a technology developed in the 1970's and its only focus is to detect pure samples of CW agent gasses used in WW1 & WW2. The technology is not capable of detecting i. Modified CW Agents (Recent Stockpiles developed by a rouge nation) ii. Impure CW agents (i.e. similar to the agents used in Tokyo metro) iii. Unknown (Novichok) agents (similar to the ones used in Syria recently) iv. The response time stipulated is 30 seconds, whereas in CW exposure cases, a 15 sec exposure proves lethal in most cases. The detector will only sound an alarm after the victims have been fully exposed and are	As per specifications given in the Tender Enquiry Document.

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			<p>beyond treatment time.  c. The latest and the largest detection capability is now being offered by newly developed technologies (i.e. Flame Spectrometry)  i. To detect Impure and Modified CW agents</p> <p>Clarifications required on the RFP :  ii. To detect All Novichok agents  iii. To detect a very large number of TIC's &amp; TIMS  iv. To detect ALL CW agents listed in "Schedule 1" of the OPCW Lists.  v. The response time is 3 seconds, and all required CW protection measures cab be taken immediately thereafter (much before the victims have been exposed to a lethal)  As this NBC Hospital project will also deal with a large variety of Impure CW Agents &amp; TICS and TIMS exposure cases, the Technology should include Flame Spectrometry detectors and not limit it to IMS only)</p>	
52		<b>BNS Health</b>	8. The filtration capacity has not been mentioned for the shelter. Clarification on filtration technology and capacity is required.	2 µ NBC filter with adequate ventilation to ensure 12 to 15 Air changes per hour (ACH) to be maintained.
53		<b>BNS Health</b>	9. A bunch of items mentioned in the RFP have been developed by DRDO whose specifications differ from what the RFP says. Request is to clarify with DRDE Gwalio the premiere research organisation in India for NBC items and see if the items developed by them can be used here. This will promote Indian industries. Items mentioned here will have to be imported only.	In the tender we have asked the bear minimum specification. However, vendor may quote the advance technology
54		<b>BNS Health</b>	10. There are a lot of technologies that exists for CBRN shelter whereas it seems that 1 technology has been chosen. Therefore, we request for detailed specification of the shelter including the type of material, thickness etc and not just general GSQR. If not then the department should be open to newer technologies as well.	Submit the proposal as asked in the tender Enquiry Document. The indicative Line Layout has been provided at page no. 52

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55		Added para		Temperature of 22°C ± 2°C should be maintain inside all the container including isolation ward
56		Added para		Delivery, installation and commissioning should not exceed 18 months.