



# CREATIVE MUSEUM DESIGNERS

**(Section 8 company guaranteed by NCSM)**

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Date : 08.12.2022

## **CORRIGENDUM**

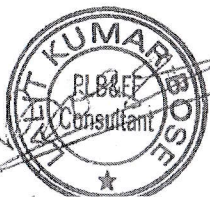
Corrigendum to Tender Document [Ref. No. CMD 007.12.35(WORKS)/22-23/21 Dated 21.11.2022, Notice Inviting Tender for Fire Fighting & Fire Detection System Work]

**As per Clause No. 7.1 of NIT, Page No. 5 of Tender Document**, Pre-Bid discussion with the intending bidders was held on **30.11.2022** at **Creative Museum Designers, Kolkata office**.

Now we are furnishing the **“Replies of Pre-Bid Queries”** vide **‘ANNEXURE - F’ (in 7 pages)**, which will be an integral part of above tender.

Bidders are requested to submit this **‘ANNEXURE - F’ duly signed & stamped** on each pages along with the tender.

SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF FIRE FIGHTING & FIRE DETECTION SYSTEM (FIRE DETECTION & ALARM, FIRE PUMP WITH EQUIPMENTS, FIRE HYDRANT, FIRE SPRINKLER, FIRE EXTINGUISHERS ETC.) FOR CONSTRUCTION OF K.D. MALAVIYA NATIONAL OIL MUSEUM, GUWAHATI						
REPLY TO PREBID QUERIES						
Date of Pre Bid Meeting - 30.11.2022						
Sl No.	Document Reference: CMD007.12.35(WORKS)/22-23/21, Date: 24.11.2022			Subject	Bidder's Query	CMD's Reply
	Section	Page No.	Clause No.			
VENDOR - COOLTEK						
1	General Conditions of Contract	45	4 d	The successful tenderer shall carry out and complete the works in every respect in accordance with this contract and in accordance with the directions of the Engineer and to the satisfaction of the Engineer and the Company. The engineer may from time to time issue further drawings and/or written instructions, detailed directions and explanations in regard to d. The removal and/or re-execution of any works executed by the successful tenderer	Please clarify the extent of removal and/or re-execution work as the design is being finalized by the client consultant and bidders are expected to adhere to the issued drawings. Hence, the integrity of the same has to be ensured by the design authorities. As bidders we will take necessary measures to intimate the authorities, well in advance, in case of expected hindrances with other services as per available site conditions. However, if such a need arises post the erection work is complete, the same should be paid extra as per relevant item of work. Please confirm.	Removal or re-execution of any work due to reasons not at all attributable to fire fighting contractor shall be treated as extra as certified by Engineer-in-Charge and Consultant.
2	General Conditions of Contract	63	50	WATER & ELECTRICITY Service water shall be provided by CMD without any cost implication. The drinking water is to be arranged by the vendor themselves. Power cannot be provided by CMD for construction. However, commissioning power shall be arranged by CMD. Contractor shall arrange for construction power from available resources at site at their own cost.	We agree to draw the power to the specific erection site adhering to applicable safety standards with our own arrangement. Please clarify if Construction Power will be provided at one location inside the site. Also confirm the same for availability of water required for hydro testing of mechanical items.	Please follow the tender condition.
3	Special Conditions of Contract	84	38	VENDOR'S SHOP DRAWINGS The contractor shall prepare and submit to CMD Consultant, for his approval, six sets of each detail shop drawing of fire fighting system within 30 days on issuance of Letter of Intent (LOI). Before starting the work the contractor shall submit to CMD Consultant for his approval in prescribed manner, the shop execution drawing for entire installation. CMD Consultant reserve the right to alter/modify these drawings if they are found to be insufficient or not complying with the established technical standards or if they do not offer most satisfactory performance or accessibility for maintenance.	Please confirm if AutoCAD drawings will be issued to us for preparation of Shop Drawings.	Base drawings shall be provided in Auto CAD format.
4	Design Philosophy	93	2.3	TYPE OF SYSTEMS PROPOSED In accordance with NBC, applicable IS Codes & Standards and Assam Fire & Emergency Services requirements, the following Fire Protection systems need to be implemented for the project: Centralized firewater tank and Fire pump room equipment Wet riser cum down comer system Yard hydrants Automatic Sprinkler System Fire extinguishers and Signage (Fire safety plans) Fire Alarm System	The referred clauses mentions the requirement of Fire Safety Signage. However, no relevant Line Items are present in the BOQ for the same. Please clarify and if considered necessary kindly make corresponding changes in the BOQ.	Cost of Fire Safety Signage (including Fire Orders, Floor Wise Escape Route Map and Exit Signs etc.) to be included in the bidder's final quoted percentage rate.



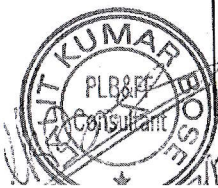


5	Scope of Work	96	4.3	<p><b>INSPECTION AND APPROVAL</b></p> <p>The contractor shall obtain approval of the installation from the Assam State Fire &amp; Emergency Services Successful Bidder shall be responsible for preparation of documents, applications, drawings &amp; hydraulic calculations and follow-up action at all stages, (Drawing completion) arranging inspections, revisions, modifications for obtaining approval from Assam State Fire &amp; Emergency Services within the overall completion period stipulated in the Tender. <i>The Contractor shall also make payment of all statutory payments like payment for Assam State Fire &amp; Emergency Services approval etc.</i> The quoted rates shall take care of such contingencies</p>	<p>As per standard practise across India, all authorities pertaining to Fire &amp; Emergency Services has two stages of approval. They first issue a Provisional NOC. Fire Safety Recommendation (FSR) analysing the nature and category of building and its intended use and provides specific guidelines for the minimum extent of Fire Fighting Systems required as per applicable laws. Ideally the first stage is completed before taking up the Design &amp; Specification Works of the Fire Fighting Systems. The Executing Agency then takes up all necessary actions in reference to the available document for obtaining the Final NOC. Fire Safety Certificate including conducting demonstrations and liaison with the concerned authority. However, all statutory fees are borne by the eventual owners of the building as the departmental fees needs to be directly sourced from the account whose name appears on the Final Certificate. This process flow is absolutely necessary to ensure repetitive ambiguities during renewal of the same after completion of the handing over protocols.</p> <p>However, if the client insists on routing the statutory fees through the contractor, relevant Line Item may please be added in the BOQ to enhance the clarity of the scope of work to all competing bidders.</p>	<p>Statutory fees related to Fire NOC will be borne by CMD/ KDMNOMT against money receipt from the authorities in favour of CMD/ KDMNOMT, all other expenses are to be borne by executing agency/bidder.</p>
6	Equipment Specification	103	5.1.3.17	<p><b>PUMPS AND ACCESSORIES</b></p> <p><b>GENERAL REQUIREMENT</b></p> <p>The pumps shall be <b>horizontal multistage centrifugal back pull out type</b> or end suction type, designed for continuous operation and shall have a continuously dropping head characteristic without any zone of instability.</p>	<p>The referred section is in conflict with the details specified in the BOQ under Item No. B1 pertaining to Main Fire Pumps, which indicates using of split casing pumps. Moreover, no such detail has been provided under Item No. B2, B3 &amp; B4 pertaining to Diesel Engine Pump, Jockey Pump &amp; Terrace Pump. Please clarify the requirement.</p>	<p>Please follow Technical specification in the BOQ for these items.</p>
7	Equipment Specification	121	5.3.5	<p><b>SIGNAGE</b> Required, as per Local fire force like exit signs &amp; Floor indication (e.g. Ground floor, 1st floor), size shall 200mm x 500mm &amp; action chart (size shall be 600mm x 1000mm) in case of fire emergency, Staircase location indication etc. The location quantity shall be on each landing of every staircase on each floor. Signs shall be made out of 3mm thick PVC foam board with PVC non-reflective self-adhesive vinyl foam board OR equivalent material with Mirror fasteners for fixing complete.</p>	<p>The referred clauses mentions the requirement of Fire Safety Signage. However, no relevant Line Items are present in the BOQ for the same. Please clarify and if considered necessary kindly make corresponding changes in the BOQ.</p>	<p>Cost of Fire Safety Signage (including Fire Orders, Floor Wise Escape Route Map and Exit Signs etc.) to be included in the bidder's final quoted percentage rate.</p>
8	Design Philosophy	121 & 122	5.3.6	<p><b>Fire Alarm System</b> The system shall be capable of providing maintenance pre-alert fault alarm status to prevent the detectors from indicating a false alarm due to dust, dirt etc. The IFAS provided shall be able to interface with Mechanical, Electrical &amp; Low Voltage Services into an integrated system, but not limited to: i) Air Handling Units ii) Staircase pressurization fans, Lift shafts and lift lobbies pressurization fans iii) Public address system iv) Lifts v) Toilet Exhaust Fan vi) Fire fighting system.</p>	<p>This clauses broadly lists a few number of other building services that needs to be integrated with Fire Alarm System. However, on analysis of the BOQ, we presume only Flow Switch for Sprinkler System and Control Module for AHU has been considered. Please clarify if other systems mentioned here are intended for integration. If yes, kindly specify the same in the BOQ for clarity.</p>	<p>Please refer item SI No. A.1.1 of BOQ for Fire Alarm System wherein it is mentioned that "... The panel shall be compatible for IBMS system with open protocol BACnet/ Modbus over IP complete as per specifications." Other than integration with IBMS system FAP shall be directly communicating with flow switch and AHU Panel through monitor / control modules / staircase / Lift shafts and lift lobbies pressurization fans. However agency should keep provision for integrating with public address system and toilet exhaust fan etc. in future.</p>

9	Design Philosophy	128	5.4	Main Fire Alarm Panel Point No 4 Type 32-bit Microprocessor, 100% Power Supply redundant, Intelligent addressable type	The referred section is not clear If the proposed Panel is intended to have redundant features, the extent should be clearly outlined and the same should be mentioned in the BOQ Please clarify	Main Fire Alarm Panel shall be with CPU in degrade mode as per UL standard and shall also have 100% power supply battery back-up and Please follow BOQ Sl. No. A 1.1, Page No. 157.
10	Design Philosophy	130	5.4	Repeater Fire Alarm Panel Microprocessor based Active, Networkable, Intelligent addressable type with 7- inch Touch Screen Colour LCD display	The referred section specifies the details of Active Repeater Panel. However, no such item has been listed in the BOQ Please clarify	Repeater Panel, if required by CMD/ Consultant, the same has to be provided by the agency as per relevant DSR as extra item.
11	Design Philosophy	130 & 131	5.4	Multi Detector Point No 3 Type of Detector Multi sensor detector - can be used as a smoke detector, as a heat detector or as a combined smoke, heat detector as well Having integrated short circuit isolator.	The referred section clearly specifies for using Detectors with in-built short circuit isolator. However, the BOQ has a separate Line Item for Isolator Module Please clarify the actual requirement	Detectors need not to be with in-built short circuit isolator.
12	Design Philosophy	137	5.4	Graphic Software Point No 3 Type - Graphical control & Management software Point No 6 Installation - To be installed in computer	The referred section specifies the details of Graphic Software. However, no such item has been listed in the BOQ Please clarify	Please quote as per BOQ.

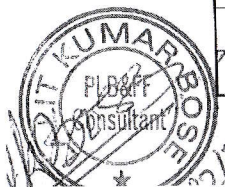
#### VENDOR - SECURITY ENGINEERS

13	Fire Pump & Equipments	159-160	Part B-4.0	Supplying, installation, testing and commissioning of electric driven terrace pump suitable for automatic operation and consisting of following, complete in all respects, as required (Terrace Pump)	Kindly share the details i.e RPM of the Terrace Pump	2900 RPM
			Part B-4.0, a)	Horizontal type, multistage, centrifugal, split casing pump of cast iron body & bronze impeller with stainless steel shaft, mechanical confirming to IS 1520		
			Part B-4.0, b)	Suitable HP squirrel cage induction motor TEFC type suitable for operation on 415 volts, 3 phase, 50Hz, AC supply with IP55 class of protection for enclosure, horizontal foot mounted type with Class-F insulation, conforming to IS-325		
			Part B-4.0, c)	MS fabricated common base plate, coupling, coupling guard, foundation bolts etc. as required		
			Part B-4.0, d)	Suitable cement concrete foundation duly plastered and with anti vibration pads 900 lpm at 35 m Head		
14	Fire Pump & Equipments	160	Part B-5.0	Control Panel for Fire Pumps	Kindly confirm the Overload type Is it Thermal Electrical?	Thermal
15	Fire Hydrant System	164	Part C-3.0	Supplying, fixing, testing and commissioning of butterfly valve of PN 1.6 rating with bronze gunmetal seat duly ISI marked complete with nuts, bolts, washers, gaskets conforming to IS 13095 of following sizes as required	We request you kindly allow EPDM Rubber seat also with bronze gunmetal	Please follow BOQ requirement.
			Part C-3.1	80 mm dia		
			Part C-3.2	100 mm dia		
			Part C-3.3	150 mm dia		
16	Fire Sprinkler System	166	Part D-4.0	Supplying, fixing, testing and commissioning of butterfly valve of PN 1.6 rating with bronze gunmetal seat duly ISI marked complete with nuts, bolts, washers, gaskets conforming to IS 13095 of following sizes as required	We request you kindly allow EPDM Rubber seat also with bronze gunmetal	Please follow BOQ requirement.
			Part D-4.1	40 mm dia		
			Part D-4.2	50 mm dia		
			Part D-4.3	65 mm dia		
			Part D-4.4	80 mm dia		
			Part D-4.6	150 mm dia		





17	Extinguishers	167	Part E-2.0	Carbon-di-oxide type fire extinguisher of 4.5 kgs Capacity. CO2 gas filled in brand new seamless cylinder with powder coated finish, made out of Manganese steel, with wheel type valve, discharge nozzle, bend & horn, wall mounting bracket etc complete, confirming to IS 2878	We request you kindly allow IS 15683 2018 instead of IS 2878, as per the BIS Standard & made out of Mild Steel instead of manganese steel	Instead of 'IS:2878' please read as 'IS:15683 latest version' and instead of 'Manganese steel' please read as 'Steel body confirming to 'IS:7285'.
18	Extinguishers	168	Part E-3.0	ISI marked (IS 10204) portable fire extinguisher Mech Foam type capacity 9 litres with gunmetal cap and nozzle and complete in all respects including initial fill and wall suspension	We request you kindly allow IS 15683 2018 instead of IS 10204, as per the BIS Standard.	Instead of 'IS:10204' please read as 'IS:15683 latest version'.
19	Extinguishers	168	Part E-4.0	Water CO2 type fire extinguisher 9 lts Capacity, initial filling in brand new cylinder of powder coated finish, fitted with Gun metal union, high pressure CO2 gas cartridge & wall mounting bracket etc complete confirming to IS 940	We request you kindly allow IS 15683 2018 instead of IS 940, as per the BIS Standard	Instead of 'IS:940' please read as 'IS:15683 latest version'.
20	Main Fire Alarm Panel	128	4.0	32-bit Microprocessor, 100% Power Supply redundant, Intelligent addressable type	Redundancy in Power supply to be removed Requesting tendering Authority to accept Panel with CPU in degrade mode as per UL standard.	Main Fire Alarm Panel shall be with CPU in degrade mode as per UL standard and shall also have 100% power supply battery back-up and please refer BOQ Sl. No. A 1.1, Page No. 157.
21	Main Fire Alarm Panel	128	6.0	7-inch Touch Screen Colour 640-character LCD display	We request you kindly amend the Touch Screen display to Qwerty Type keypad	Qwerty type keypad is also accepted.
22	Main Fire Alarm Panel	129	37.0	Ambient Temperature -5 to +50 d C	We request you kindly amend the same to 0 to +49 d C	Ambient temperature of 0 to +49 d C is also acceptable.
23	Repeater Fire Alarm Panel	130	15.0	Protection class IP-66	We request you kindly add protection Class As per UL Standard IP66	Accepted UL Standard also.
24	Repeater Fire Alarm Panel	130	17.0	Ambient Temperature -5 to +50 d C	We request you kindly amend the same to 0° C to +49 d C	Accepted UL Standard also.
25	Multi Detector	131	6.0	Mounting On Base (Twist & Lock), IP40	We request you kindly add protection Class As per UL Standard IP66	Protection class as per UL standard is also accepted.
26	Multi Detector	131	8.0	Sensitivity As per EN-54	We request you kindly add protection Class As per UL Standard As per EN-54	Sensitivity as per UL standard is also accepted.
27	Multi Detector	131	11.0	Fixed Temperature Setting - Different 9 temperature classes as per EN54 including Fixed 54 - 69 ° C	We request you kindly add protection Class As per UL Standard As per EN-54	Fixed Temperature Setting as per UL standard is also accepted.
28	Multi Detector	131	12.0	Circuit Wiring Serial two wire technology, Class-A, Style 7 Integrated ShortCircuit Isolator in each detector	As per NFPA guideline separate Isolator should be acceptable. Kindly allow the same	Multi Detector need not to be with in-built short circuit isolator.
29	Multi Detector	131	14.0	IP Rating IP-40	We request you kindly add IP rating to - As per UL Standard IP-40	IP rating as per UL standard is also acceptable.
30	Multi Detector	131	20.0	Temperature Range -20° C to +50° C	0° C to +35° C	Temperature range as per UL standard is also acceptable.
31	Multi Detector	131	24.0	Listing VDS approved, CE certified	We request you kindly allow - UL Standard VDS approved, CE certified	UL listing is also acceptable.
32	Heat Detector	132	8.0	Sensitivity As per EN-54	We request you kindly add protection Class As per UL Standard As per EN-54	Sensitivity as per UL standard is also acceptable.
33	Heat Detector	132	11.0	Fixed Temperature Setting - Different 9 temperature class as per EN54 including Fixed 54 - 69 °	We request you kindly add protection Class As per UL Standard As per EN-54	Fixed Temperature Setting as per UL standard is also acceptable.
34	Heat Detector	132	12.0	Circuit Wiring -Serial two wire technology, Class-A, Style 7 Integrated ShortCircuit Isolator in each detector	As per NFPA guideline separate Isolator should be acceptable. Kindly allow the same	As isolator modules are being separately provided detectors need not to be with in-built short circuit isolator.
35	Heat Detector	132	14.0	IP Rating IP-40	We request you kindly add IP rating to - As per UL Standard IP-40	IP rating as per UL standard is also acceptable.
36	Manual Call Point	133	11.0	Operating Voltage 15 to 33 VDC	We request you kindly amend the same to 24V DC as per Standard	Pl follow tender specification.
37	Manual Call Point	133	13.0	Protection class IP-52	We request you kindly add IP rating to - As per UL Standard IP-52	IP rating as per UL standard is also acceptable.
38	Manual Call Point	134	14.0	Operating Temperature -10° C to +55° C - for Indoor	We request you kindly amend the same to 0° C to +49 d C	Operating temperature of 0 to +49 d C is also acceptable.
39	Manual Call Point	134	15.0	Humidity 95% without condensation	95% without condensation (+/- 2%)	Humidity as per UL standard is also acceptable.
40	Hooter cum Strobe	137		Sound output for Hooter 92.1 dB(A) with 5 SPL.	We request you kindly amend the same to 82 dB(A)	Sound output as per UL standard is also acceptable.



08/12/2022



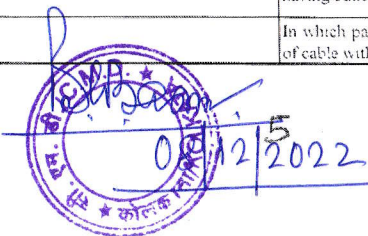
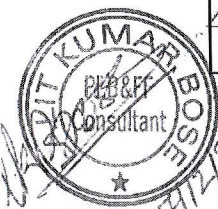
41	Hooter cum Strobe	137	8.0	Type of Tone - Selectable 32 different tone	We request you kindly add protection Class As per UL Standard	Query not related to the type of tone.
42	Hooter cum Strobe	137	12.0	Temperature- -20° C to +70° C - Ambient Temperature	We request you kindly amend the same to 0° C to +49 d C	Ambient temperature of 0 to +49 d C is also acceptable.
43	Hooter cum Strobe	137	14.0	Protection Class IP 42	We request you kindly add IP rating to - As per UL Standard IP-42	IP rating as per UL standard is also acceptable.

#### VENDOR - GLYPIC

44	Technical Specification			General Observations	Your Technical Specification and BOQ are contradictory to each other. Technical Specification fully biased with one make such as 7 inch touch screen colour LCD display for repeater panel IP protection grade mentioned each items Integrated isolator detector in each detector IP 40 in multidetector VDS and CE approval as a listing, supported style 7 wiring for MCP etc. Style 7 wiring required for input module, control module etc. Notifier and Honeywell 3000 is UL listed and FM approved product hence will not match with IP Protection grade; inbuilt isolator module. Style 7 wiring in detector, MCP, Module etc. IP Protection grade; inbuilt isolator module etc is not a mandatory requirement for UL listed and FM approved product. Hence Technical Specification should be generic inline with CPWD Specification where all CPWD approved product can easily match and participate.	Instead of raising general observations bidder should have raised specific queries in a more professional way like indicating clause no., page no., section, subject etc. We are not entertaining such casual approach. You may follow replies to specific queries already raised by other bidders.
45	Make List			Make List	Your BOQ is fully complied with CPWD so our request is to approve all the makes of CPWD for your Tender Like Siemens and EDWARDS should be in your approved Make list. As both these brands are reputed and are approved by all Central Government and State Government Organizations Refer CPWD approved Make List	Please quote as per tender make list only.
46	BOQ			Main Fire Alarm Panel	As per drawing requirement of loop capacity in a panel is 3 loop + 1 spare loop. Hence 4 loop is more than sufficient for this Tender. Then why 10 loop panel required. This will bear unnecessary cost.	Please quote as per BOQ only. Additional loops are kept for future provisions and to meet item schedule of CPWD.
47	Make List			Make List	Also all the fire fighting and fire alarm make should be as per CPWD approved make. This will make fair price competition where Government can enjoy maximum price benefit.	Please quote as per tender make list only.

#### VENDOR - NILEX

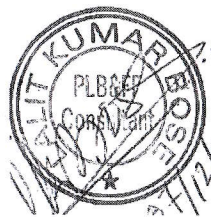
48	BOQ		7	Addressable Horn cum Strobe	Since we will be supplying addressable loop powered Horn cum Strobe the item in your Fire Alarm System BOQ SI no 08 - Addressable Fire Control Module 28 nos shall not be required.	Please quote as per BOQ.
49	BOQ		9	Monitor Module	As per our supplier of a particular make which is drawn from your list of approved makes, this item is not required.	Please quote as per BOQ.
50	BOQ		10	Fault Isolator	As per our tentative make, our detectors and other items are having built in isolator hence this item is not required.	Please quote as per BOQ.
51	BOQ		12.2	Cables- 2c x 2.5 sq mm	In which part of the Alarm system we shall require this type of cable with a quantity of 2x50 mtrs	Please refer tender drawings and quote as per BOQ.



52	BOQ		10a & b, 2, 3 & 4	Electrical Driven Main Fire pumps (Hydrant & Sprinkler)	Instead of 2280 lpm capacity at 88 mwc multistage split casing pump coupled with 1500 rpm electric induction motor, if we go for 2850 lpm at 88mwc single stage back pullout coupled with 2900 rpm electric induction motor for better water discharge capacity within the same price range or less or even better. The same type of specification for Fire Pumps & Equipments BOQ SI no 2, 3 & 4	Please quote as per BOQ.
53	BOQ		6	Starter Panel for Terrace Pumps	Instead of fabricated starter panel if we give DOL starter L&T make of suitable capacity for starting the Terrace pumps	Please quote as per BOQ.
54	BOQ		13	SS Y Strainer	Instead of total SS Y Strainer of 150mm & 80mm, if we go for CI Y Strainer with SS mesh will be available in the market easily. Moreover the prices of both sizes strainers are Rs 61,300 and Rs 22,900 respectively - (H. Sarkar make) whereas the prices in your schedule are Rs 10,659 and Rs 4,573 respectively are given. There will be huge mismatch in purchase & sale prices for justification at both ends	Y Strainer shall be Cast Iron Double Flange (CIDF) with SS Mesh as described in the BOQ.
55	BOQ		Part C - 40	Non Return Valves	Is this item is as per IS 5312 or single double plate type	Instead of 'Slim seal dual type non-return valves (PN 1.6)' please read as 'non-return valve conforming to IS:5312 (PN 1.6)'.
56	BOQ		7	Hose Reel Drum	The standard Hose reel Drum manufactured can house 30 mtrs of Thermoplastic Hose Type 2 whereas the BOQ description states 40m long	Please quote as per BOQ
57	List of Approved Make	154	11	RRL Hose	The make given as Jayshree is taken over by BRG long back hence this make be corrected	Instead of 'Jayshree' please read as 'BRG'.
58	BOQ		12 & 13	ABC type Fire Extinguishers	Presently as per IS 15683 the capacity is 6kg and 9kg respectively instead of 5kg & 10 kg as given in BOQ	Instead of '5Kg' and '10Kg' please read as '6kg' and '9Kg' respectively conforming to IS:15683.
59	BOQ		5	Fire Buckets	Do you really mean 18 sets that will come 72 nos of Fire buckets and 18 stands. The quantity seems exorbitant	Please quote as per BOQ.
60	General			False Ceiling and access	Fire Sprinkler system what type of False Ceiling is being erected? IS it with 2x2 boards or Gypsum boards. If it is with Gypsum boards, Trap doors are to be made for installation of Sprinklers & Fire Alarm Detectors	Installation method and access above false ceiling area shall be decided during execution in consultation with Engineer-in-Charge.

#### VENDOR - ABS

61	BOQ		B)- 10	Fire Pumps- Electrical driven- Horizontal type, multistage, centrifugal, split casing pump with 2280 LPM at 88 MWC with 1500 RPM	We request to approve End suction pump with 2900 RPM	Please quote as per BOQ.
62	BOQ		B)- 20	Fire Pumps- Diesel Driven- Horizontal type, multistage, centrifugal, split casing pump with 2280 LPM at 88 MWC with 1500 RPM	We request to approve End suction pump with 1800 to 2100 RPM	Please quote as per BOQ.
63	BOQ			Pump Foundation	We request to consider the RCC works in civil contractor scope	Please quote as per BOQ.
64	BOQ			62mm dia, 15m long RRL hose	We request to approve CP hose	Please quote as per BOQ.
65	BOQ			4 way fire brigade connection CI body with GM coupling	We request to consider SS coupling, as Landing valve is also SS coupling	Please quote as per BOQ.
66	BOQ			Double flange sluice valve with Bronze Gun metal seat	We request to approve EPDM seat as per present manufacturing standard	Please quote as per BOQ.
67	Appendix to Notice Inviting tender	19		" LD clause- 1% per week upto 10% of contract value	We request to consider 0.5% per week upto 10% of the contract value	LD Clause - 0.5 % per week upto 10% of contract value
68	Appendix to Notice Inviting tender			Payment Terms		





69				60% after supply of the equipment 20% after installation 10% against testing & commissioning.	We request - 20% advance against submission of ABG 65% against supply of material on pro rata basis 10% against Installation of material pro rata basis 5% on handing over pro rata basis	<p>* 65% after supply of equipments, materials after successful inspection by the Consultant/CMD at site.</p> <p>* 15% after installation of equipments accessories etc. as per tender &amp; specifications on foundation/position, alignment &amp; fixing/ grouting (wherever required).</p> <p>* 10% on completion of testing and commissioning.</p> <p>* 10% on completion of all works/system in all respects and issuance of completion certificate &amp; NOC from the concerned authority.</p>
70				Storage Space	We request to provide covered storage space inside the site for material storing	Space will be provided but locking arrangement & safety with security has to be arranged by the agency.
71				Power	We request to provide free power at site	As per relevant clause of the tender document.
72				Water	We request to provide free water at site	As per relevant clause of the tender document.
73				EMD	We request to wave off the EMD for MSME Contractor Contractor will submit the MSME registration certificate	Not accepted.
74				Performance Guarantee	We request to accept 5% of the contract value as Performance Bank Guarantee	As per relevant clause of the tender document.
75				Quantity Variation	We request to add quantity variation + - 10% of the total contract amount	As per relevant clause of the tender document.

**Notes:**

1. In Page No. 85, Clause No. 42 please read 'REINSTATING' instead of 'RESTATING'.
2. In Page No. 95, Clause No. 3 please read 'IS:2629' instead of 'IS:2159'.

