

Sl.No	Para Ref.	Description	Comments/clarification request	IMU's Reply
1	Pg. 7, Para 2.6.1	The price of the equipment shall be inclusive of basic price, freight and insurance up to delivery (IMU designated Campuses), Installation, Commissioning, training for 2 days including incidental charges, and upgradation of software hardware excluding applicable GST.	It is understood that all civil works, carpentry work, partition work, mock up, furniture, lighting, air conditioning, LAN, power and electrical works would be undertaken by the respective IMUs, based on layout drawings, electrical and LAN drawing submitted by successful bidder.	IMU will provide bare structure, AC's, suitable lighting ,furniture for faculty and students, suitable 3 phase supply at one point and LAN connection at one end. The successful bidder has to provide partition, necessary carpentry works for erection, installation and commissioning of simulator. The successful bidder has to provide the proposed layout of the partition (internal wiring) for the approval of IMU.
2	Pg. 13, Para 3.3.1	The supplier shall be required to submit the security deposit in the form of irrevocable bank guarantee issued by any Indian Nationalized Bank for an amount of 10% of the Purchase Order value within 7 working days from the date of receipt of the purchase order and should be kept valid for a period of 90 days beyond the date of completion of AMC period.	Due to large sum and BG processing time it is requested to offer 15 Working days instead of 7 working days.	15 Working days is permitted
3	Pg. 14, Para 3.8.2	The supplier shall provide necessary comprehensive preventive and corrective maintenance on site i.e., by sending the engineer to the IMU Campuses for attending the maintenance requirements of the supplied equipment. In case of intimation of break- down, the successful bidder should respond within 48 hours of reporting during the period of AMC. All spares which need replacement during the period of onsite maintenance are to be replaced without any additional cost. Any exception required with regard to the spares to be replaced to be intimated by email within 15 days of	It is requested to state response time to 48 <u>working</u> hours instead of 48 hours.	Tender condition prevails

		notification of the tender to the above said email addresses. The conditions specified for warranty may also be applied by during AMC period and vice-versa.		
4	Pg. 15, Para 3.9	Payment Terms	<ol style="list-style-type: none"> 1. There is a huge upfront cost of IT, customs duty and steel console that need to be borne by the successful bidder and so instead of 100% payment after completion it is requested to offer stage wise payment for example 60%-70% payment to be paid on delivery of Hardware at respective IMU. 2. Payment against each IMU completion should be processed independent of each other as work would be staggered at each IMU considering the 90 days and 120 days deadline. 	<ol style="list-style-type: none"> 1. Tender condition prevails. 2. The payment against completed installation in all respect as envisaged in the tender document shall be processed.
5	Pg. 17, Para 4.1	Site Preparation	<ol style="list-style-type: none"> 1. Understand there is no circular from DG shipping for Full Mission Engine Room Simulator however xyx simulator meets the class requirement and has a NKK certification. 2. The room layout diagram provided are not legible. Kindly share clear PDF copy of floor plan with dimension for each location, please do consider that the layout needs to be provided with the Technical bid so in case of delay in receiving the floor plan we would 	<ol style="list-style-type: none"> 1. IMO Model course compliance should be maintained. India being a signatory to various IMO instruments, will honor the Model Course. Classification certification "Type Approval" by an IACS member is required. 2. Indicative layout has already been uploaded in the IMU's website.

			request for some extension on the bid submission date.	
6	Pg. 23, Technical Specifications	Certification by DG Shipping is required.	Understand there is no circular from DG shipping for Full Mission Engine Room Simulator however xyx simulator meets the class requirement and has a NKK certification.	IMO Model course compliance should be maintained. India being a signatory to various IMO instruments, will honor the Model Course. Classification certification "Type Approval" by an IACS member is required.
7	Pg. 24, Para 1 Layout Specifications	Hardware type Engine Control Room for training students on hands on maneuvering stand with instrumentation and alarm panels provided as realistic as possible. The hardware provided should be real components as used on ships and by reputed manufacturer such as ABB, Siemens or equivalent.	As was discussed during the earlier pre-bid only the telegraph and alarm panel would be real hardware and all other hardware would be simulated on Virtual Hardware Panels considering multiple engine model that has been requested for each location. It is requested that this requirement to be amended accordingly.	It is understood that only a few things as said are hardware. Rest of the things are simulated through interactive touch screen. Our wordings are suitable it says "hardware provided".
8	Pg. 24, Para 2 Layout Specifications	Hardware type Main Switch Board with Lighting distribution panel, Synchronizing panel, Power distribution panel and emergency generator bus link i.e., 440 / 220 VAC 50/60 Hz 3Ph or appropriate to the type of module or installation. The panels should resemble ships installation as closely as possible. It should facilitate the normal & emergency operations onboard ship with these components. All the panels and its components should be realistic equipment as found on ships and should be of a reputed	As was discussed during the earlier pre-bid only the telegraph and alarm panel would be real hardware and all other hardware would be simulated on Virtual Hardware Panels considering multiple engine model that has been requested for each location. It is requested that this requirement to be amended accordingly.	The panel's graphics should be as realistic to the panels and its components as found on ships.

		manufacturer such as ABB, Siemens or equivalent.		
9	Pg. 24, Layout specification Para 3	3D display and interaction for virtual walk through, operation of virtual equipment. The displays should be at least HD1080 quality on 42'' (inch) LED display monitors or larger for panels and for individual students terminals should have at least 22'' (inch) LED seamless display of engine room in a panorama vision of at least. At least 3 Nos, 42'' LED HD quality display with touch interactive capabilities for operation of equipment in 3D virtual view.	We understand that this para is related to Full Mission ERS, it is understood that 3 x 42''(inch) LED display monitor with touch interactive capabilities need to be provided for 3D display and interaction for virtual walk through and the other Local operator position(LOP's) for the Full Mission ERS should be with at least 22'' (inch). Pls advise what is meant by individual student's terminals? also that the para ends abruptly?	Student's terminals are for students to work. This is for the mandatory Combustion Simulator Laboratory and for conducting the classes.
10	Pg. 26, Para 1 Description of the System	The simulator should provide a realistic ship like environment employing real hardware consoles and high-quality 3D visualization.	As was discussed during the pre-bid that the steel consoles, telegraph and alarm panel would be real hardware and all other hardware would be simulated on Virtual Hardware Panels considering multiple engine model that has been requested for each location. This is applicable only to Full Mission Engine Room Simulator (FMERS).	Tender condition prevails.
11	Pg. 37, 38 & 39, Indicative layout plan:	Layout of the room	The room layout diagram provided are not legible. Kindly share clear PDF copy of floor plan with dimension for each location, please do consider that the layout needs to be provided with the Technical bid so in case of delay in receiving the floor plan we would request for some extension on the bid submission date.	Indicative layout has already been uploaded in the IMU's website.

12	Pg. No. 47, Price Bid	Custom Clearance	All payable, customs duty & clearance would be done by xyz and on xyz account as part of Price Bid however, certain documents if needed for clearance would be requested from designated IMU being the consignee/receiver of the materials.	Tender conditions prevail.
13	Pg. 17, Sub Para 4.3.1	The supplier is required to do the installation and demonstration of the equipment within 30 days of the arrival of materials at the IMU's site of installation; otherwise the penalty clause will be the same as per the supply of materials.	The steel console for Engine Control and vertical steel console for main switch board would require to be supplied prior to delivery of IT hardware and xyz hardware as the fitment of vertical steel console meant for main switch board in ECR goes hand in hand with the partition and carpentry work which is under respective IMUs scope of work Therefore, starting of the 30 days to complete installation and demonstration should NOT be counted from the date of delivery of consoles but instead should be considered from the date of delivery of IT hardware & xyz hardware.	Kindly refer SI.No.1 Tender conditions prevail.