

Tender Abstract

1	Title	:	<u>Setting up additional Infrastructure at Fire-Fighting Mock-up to run the OCTCO Course at IMU Navi Mumbai Campus</u>
2	Notice Inviting Tender No.	:	IMU-NMC/PUR/2024-25/0044 dated 03.12.2024
3	Pre bid meeting	:	15:00 Hrs on 09.12.2024 at Indian Maritime University, Navi Mumbai Campus, Karave, Nerul, Navi Mumbai - 400706.
4	Last date and time for receipt of bids	:	Up to 1400 Hrs on 23.12.2024
5	Date and time for opening of Technical bid	:	1500 Hrs on 23.12.2024
6	Date and time for opening of Financial bid (for technically qualified bidders)	:	To be intimated later
7	Proposal currency	:	Prices shall be quoted in Indian Rupees (INR)
8	Language of the proposal	:	This proposal should be filled in English language only. If any supporting documents are to be submitted, in any other language other than English, then translation of the same in English language, attested by the bidder should be attached.
9	Validity of tender offers	:	180 days from date of opening of Technical bid
10	Estimated Amount (inclusive of taxes)	:	Rs. 40,00,000/-
10	EMD Amount	:	Rs. 80,000/- in the form of Demand Draft, exemption is allowed only on submission of valid registration/ certificate as per GoI norms.
11	Security Deposit (for finalized bidder only)	:	5 % of the contract value in the form of DD of any nationalized bank/Bank Guarantee.
12	Address for Submission of Tender	:	Deputy Registrar (Admin), IMU, Navi Mumbai Campus, Karave, Nerul, Navi Mumbai – 400706

INDIAN MARITIME UNIVERSITY – NAVI MUMBAI CAMPUS

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1. **Invitation for Bids.**

The Indian Maritime University – Navi Mumbai Campus (NMC) (hereinafter referred to as the Buyer or IMU-NMC) invites sealed tenders for Setting up additional Infrastructure at Fire-Fighting Mock-up to run the OCTCO Course at IMU-NMC under Two bid system:

Overall Scope and objective of this Tender is to:-

- a) To Supply and Install Fire Fighting equipment (DCP & Foam type)
- b) All Civil, Electrical & Mechanical work as per Technical Specification mentioned at Annexure I.
- c) Obtaining necessary approval from IRS for starting the OCTCO Course.

1.1 **EMD and Tender Fees:**

Sl.No.	Particulars	Supporting document
1	Tender document can be downloaded free of cost from www.imu.edu.in under the section Tender or from www.imunavimumbai.ac.in under section tenders.	Nil
2	Bidder must submit EMD of Rs. 80,000/- in the form of Demand Draft	Demand Draft from nationalized / scheduled commercial bank in the name of Indian Maritime University – Navi Mumbai Campus payable at Navi Mumbai.

1.2 **Eligibility Criteria:**

The bidder should have mandatory qualification as per the following table. The proposal of the bidders who are fulfilling the mandatory qualification criteria shall only be considered for technical evaluation. The offer is liable to be rejected if non compliance to mandatory qualification criteria is detected during the technical evaluation.

Sl.No.	Qualification Criteria	Supporting documents
1	The Bidder should be in the Business of Providing ‘Similar Supply & Installation’ for a period not less than 3 years i.e. since FY. 2021-22, 2022-23 and 2023-24.	Copies of the Work order or Agreement or Work Completion certificate for the each Completed Supply and Installation of Fire Fighting Equipment – Proof for providing similar Supply and Installation not less than 3 years
2	The Bidder should have satisfactorily completed “Similar Supply and installation” with minimum value specified in any one of the three set of values (a or b or c) carried out during the last any one of the five financial years (2019-2020 to 2023-2024) a) At least 1 Similar Supply and Installation with a minimum value of i.e. Rs. 32 Lakh	Copies of the Work order or Agreement or Work Completion certificate.

	(80% of Bid value) [OR] b) At least 2 Similar Supply and Installation with a minimum value of i.e. Rs. 20 Lakh (50 % of Bid value) each. [OR] c) At least 3 Similar Supply and Installation with a minimum value of i.e. Rs. 16 Lakh (40% of Bid value.) each.	
3	The Bidder should have an average annual turnover of at least Rs. 20 Lakh during the past 5 financial year's i.e. 2019-20 to 2023-24.	Annual accounts duly certified by a Chartered Accountant.
4	The bidder should submit the copy of Income Tax return for last three financial years i.e. 2021-22, 2022-23 & 2023-24 (Assessment year 2022-23, 2023-24 & 2024-25)	Copy Income tax Returns.
5	The Bidder should have a valid PAN and GST Registration Certificate.	Copy of the PAN Card and GST registration certificate.
6	The Bidder shall be the reputed Original Equipment Manufacturer (OEM) or their authorized/certified partner or authorized reseller from India. Bidder shall furnish necessary authorization from the OEM authorizing them to provide all goods and services support indicated in this tender and confirming that necessary assistance would be provided to the firm in providing required support during the Warranty Period.	OEM Authorization / Certification as per the Annexure III. In case of participation by OEM, self-declaration.
7	The Bidder should not have been blacklisted or debarred from bidding for any government or central government autonomous organisation.	Self-declaration to this effect.

1.2.1 'Similar Supply' means setting up of fire fighting setup in Government / Semi-Government/ Public Sector organizations/ National level educational institutes like IIT, IIM, NIT and Central Universities/ State Universities / Public Limited Companies/ Reputed UGC/ AICTE Recognized or private Sector Universities / Maritime training institutes/Reputed Private Companies and Port Organizations.

1.2.2 With regard to the various proof/supporting documents produced by the bidders for establishing that they meet the various eligibility conditions, it shall be IMU's prerogative to decide whether the document produced is valid evidence or not and to call for additional proof, if required.

1.2.3 All the Documents submitted with the Tender as a proof of eligibility must be duly signed and stamped by the authorized signatory. If required, IMU-NMC may insist for notarized copy or ask to produce originals to ascertain the veracity of the documents. IMU-NMC also reserves the right to ask more proof to corroborate the eligibility declarations.

1.3 Pre-bid Meetings Clarification. IMU- NMC is organizing a pre bid meeting at 1500 hrs on 09.12.2024. All interested suppliers/vendor's may participate in the pre-bid meeting regardless of their eligibility/acceptance of tender conditions as per the present form of the tender. The prospective bidders shall submit their queries in format below to dradmin.navimumbai@imu.ac.in at least two days prior to the pre-bid meeting. The same shall be clarified during the pre-bid meeting.

Sl.No.	Clause No. & Page No.	Reference Clause Details	Clarification Sought

IMU-NMC may or may not incorporate any changes in the Tender document based on acceptable suggestions received during the Pre-Bid meeting. The decision of IMU-NMC regarding acceptability of any suggestion shall be final in this regard and shall not be called upon to question under any circumstances.

1.4 Response to queries and issue of amendments.

1.4.1 IMU-NMC will respond to any valid request for clarification, received one week prior to the last date for submission of tender. IMU-NMC's decision is final and binding with regard to interpretation of terms used or other tender contents.

1.4.2 IMU-NMC may, for any reason, suo-moto or in response to a clarification by a prospective bidder or bidders, modify the tender documents by amendments (through addenda/corrigendum etc.)

1.4.3 Any such amendments will be informed to all the participants of the pre-bid meeting besides hosting on IMU website and IMU-NMC website. All the bidders who had downloaded the Bid Document shall verify, whether any such amendments have been issued by IMU-NMC, before submitting their bid and shall take cognizance of and include such amendment(s) in their submission. In any case, the amendment(s), if any, shall be binding on the Bidder.

1.4.4 Any such corrigendum/addendum shall be deemed to be part or incorporated into this Notice Inviting Tender (NIT).

1.4.5 It is the responsibility of the bidder to check the website of IMU time to time for any updates.

1.5 Language of Proposal & Correspondence. The tender, and all correspondence and documents, related to the tender, exchanged between the bidder and IMU-NMC should be in the English language only. If the bidder along with their offer furnish any printed literature written in any other language, such documents should be supplemented with their English translation also. The contents in the English translated version alone shall be taken into consideration.

1.6. Tender Validity.

1.6.1 Tenders shall remain valid for 180 days from the last date for submission of tender.

A proposal valid for a shorter period may be rejected by IMU-NMC as being non-responsive. During the period of validity of Proposals, the terms and condition mentioned shall not change and any such request may lead to denial of the award of work.

1.6.2. In exceptional circumstances, prior to the expiry of the original tender validity period, the IMU- NMC may request the bidder to extend the period of validity for a specified additional period. The request and the response thereof shall be made in writing through E-mail or Post or in person. A bidder agreeing to the request will not be required to nor permitted to modify his tender, but will be required to extend the validity of his tender for the period of extension. In case a bidder is not agreeing to the request of the IMU-NMC for extension of validity of the tender, then his tender will not be processed further and the portions of his tender which have not been opened will be returned to them unopened as the case may be. The EMD paid by them will also be refunded to them as in the case of other unsuccessful bidders.

1.7. Proposal prices: The prices indicated in the price schedule should be in INR only and shall be entered in the following manner.

1.7.1 The **quoted amount of equipment** shall be inclusive of basic price, freight and insurance up to **delivery at IMU- NMC Campus**, Installation, Commissioning, Acceptance, Testing, Training including incidental charges, and putting in to operation of equipment at designated place, (after commissioning whenever required), inspection and approval of the equipments from **IRS for starting the OCTCO Course and including all civil, electrical & mechanical work against the invoice inclusive applicable GST**. The bidder should clearly indicate cost as per the price bid format.

1.7.2 The quoted amount as above shall be valid for a minimum period of 180 days from last date for submission of the tender.

1.7.3 It must be clearly understood that the prices quoted in the tender are to include everything required to be done as per the specification and the conditions of tender and supply for the proper execution of supply/works although special mention thereof may have been omitted in the specification. The specifications indicated are for minimum and shall include accessories etc. to make the system fully operational. The bidders can inspect the site of installation to assess installation requirements.

1.7.4 IMU-NMC has the right to change /increase / withdraw the quantities of any items in the tender prior to acceptance by the supplier of the work order issued by IMU-NMC. IMU-NMC also has the right to increase the quantity of supply on pro-rata basis.

1.8 Earnest Money Deposit (EMD):

1.8.1 Earnest Money Deposit (E.M.D): Rs.80,000/- (Rupees Eighty Thousand Only) by way of D.D. in favour of Indian Maritime University- Navi Mumbai Campus payable at Navi Mumbai to be submitted to IMU- Navi Mumbai Campus along with Technical Bid. Exemption from EMD only on submission of valid registration or certificates for EMD exemption as per GoI norms and upon verification of genuineness for the exemption by IMU. The bids of the bidder, who fail to submit E.M.D, shall be summarily rejected.

1.8.2 The EMD of all unsuccessful bidders would be refunded by IMU-NMC within 30 days on selection of successful bidder. No interest will be allowed on the Earnest Money. The EMD of the successful bidder will be refunded only after the remittance of Security Deposit. Alternatively, the successful bidder shall when his tender is accepted, furnish Security Deposit as specified in the clause elsewhere after adjusting the amount deposited by him as earnest money. The earnest money shall retain its character as earnest money deposit, till the successful bidder furnishes the Security Deposit in full with or without adjustment of EMD.

1.8.3 Where a bidder whose tender has been received by IMU-NMC intimates that he is withdrawing their tender before the validity period or makes any modification in the terms and conditions of the tender which are not acceptable to the IMU-NMC (or) fails to furnish the Security Deposit within the prescribed time, the IMU-NMC shall without prejudice to IMU's any other right or remedy, be at liberty to forfeit the Earnest Money deposited by such person absolutely.

1.9 **Submission of the Proposal:**

The tender submitted by the Bidder shall comprise the following and should be read in conjunction with any amendments issued at the time of submission of bid.

1.10 **Technical Bid (in Sealed cover-I). The Cover-I should comprise of following.**

1.10.1 - Earnest Money Deposit.

1.10.2 Tender Document downloaded from IMU Web site comprising Tender Notification, Abstract, General Rules and Directions for the Guidance of the bidder, General description of Supply and other terms and conditions, including the amendments, corrigendum / addenda issued by IMU-NMC which are duly signed by the authorized signatory of the bidder in each page with stamp signifying the acceptance of all the tender conditions / terms / contents.

1.10.3 Duly filled Technical Bid format (Annexure II) and Supplier's OEM Authorization Form (Annexure III) with all the documents stated in the technical bids and other supporting documents in evidence of the data filled in technical bids and any other documents/enclosures/schedules/annexure etc. stated in the tender document.

1.10.4 Bidder Memorandum (Annexure IV) duly signed by the bidder.

1.10.5 The duly authorized signatory (ies) of the entity should sign and seal in all the pages of the tender document including the Annexure / schedules signifying the acceptance of all the terms and conditions, stated in the various parts of the tender. The person(s) authorized to sign the tender shall also sign in all the pages of the supporting documents with office seal submitted as proof of their eligibility, proof of technical compliance etc. In other words, every page of the bid submitted should have the signature of the duly authorized signatory of the bidder with rubber stamp.

1.10.6 The Cover I shall be addressed to **"The Deputy Registrar, Indian Maritime**

University – Navi Mumbai Campus” and should be duly super-scribed as **“Technical Bid - Setting up additional Infrastructure at Fire-Fighting Mock-up to run the OCTCO Course”** and sealed properly. Name and Address of the bidder shall also be written/ printed on the cover.

1.11 Price Bid (in sealed Cover-II).

1.11.1 The Cover II shall only contain the Price Bid formats given in Annexure–V & Schedule 1. It has to be duly filled in, signed and sealed.

1.11.2 The Cover II shall be addressed to **“The Deputy Registrar, Indian Maritime University – Navi Mumbai Campus”** and should be duly super scribed as **“Price Bid-Setting up additional Infrastructure at Fire-Fighting Mock-up to run the OCTCO Course”** and sealed properly. Name and Address of the bidder shall also be written/ printed on the cover.

1.11.3 The Rate shall be typed and signed by the person or persons duly authorized to sign on behalf of the bidder. There should be no overwriting/scoring and rewriting. Any bid found to have overwriting or double entry or rewriting by scoring off one value shall be rejected during the price bid opening.

1.12 Main Cover:

Both the **“Cover I”** and **“Cover II”** shall be placed inside the main cover and sealed properly. The main cover should be duly super scribed as **“Tender For Setting up additional Infrastructure at Fire-Fighting Mock-up to run the OCTCO Course”** and to be dropped in the Tender box placed in the Conference Room, IMU-NMC before 1400 Hrs. on 23.12.2024.

Address:

**Conference Room, Admin Building
Indian Maritime University
Navi Mumbai Campus (T.S. Chanakya),
Karave, Nerul,
Navi Mumbai -400706.**

1.12.1. The bidder shall note that no alternative or counter or qualifying tender conditions by the bidder will be acceptable to IMU-NMC. Tenders containing any qualifying conditions or even bidder's clarifications in any form may be treated as non-responsive and will run the risk of rejection. In general, printed terms & conditions shall not be accepted.

1.12.2. Bidder who submits more than one tender will be disqualified.

1.13 Cost of Bidding: The bidders shall bear all costs, efforts or their time associated with the preparation and submission of their bids and the IMU-NMC will in no case be responsible or liable for those costs / efforts / time, regardless of the conduct or outcome of the tendering process or the cancellation, if any, of tender by IMU-NMC, due to any reason whatsoever and at any stage of the tender (IMU-NMC is not responsible, if there is a cancellation even after price bid opening).

1.14 Completeness of Tender: The Bidder is expected to examine all instructions, forms, terms, conditions and deliverable in the tender document. Failure to furnish all information required by the tender documents or submission of a tender offer not substantially responsive in every respect to the tender documents will be at the bidder's risk and may result in rejection of its tender offer. The tender offer is liable to be rejected outright without any intimation to the bidder if complete Information as called for in the tender document is not given therein, or if particulars asked for in the forms / proforma in the tender are not fully furnished.

1.15 Deadline for Submission of Proposals: Tenders must reach the Deputy Registrar's office through speed post/ courier or to be dropped in to the box placed in the IMU – Navi Mumbai Campus prior to the last date & time for submission, specified in the abstract. IMU- NMC may, at its sole discretion extend the date and time for submission of tenders. Any updates with regard to such extension or any other communication intended for the bidders / prospective bidders will be made only through IMU's website stated above. Any tender received after the last date and time for submission of tenders prescribed will be rejected.

1.16 Late Proposal: Any proposal received by IMU-NMC after the deadline for submission will be rejected and kept as an unopened Tender.

1.17 Modification and withdrawal of bids.

1.17.1 The bidder may be allowed to modify or to submit revised bid due to corrigendum, addendum, etc., issued by IMU- NMC, any time prior to the last date prescribed for receipt of bids, by giving a written notice to the IMU-NMC.

1.17.2 The bidder's modification or withdrawal notice shall be prepared, sealed, marked and dispatched in a manner similar to the original Proposal.

1.17.3 Subsequent to the last date for receipt of bids, no modification of bids shall be allowed. No bid may be withdrawn in the intervening period between the deadline for submission of bids and expiration of the of bid validity period specified. Withdrawal of a bid during this period will result in forfeiture of EMD.

1.18 IMU's Right to accept and to reject any or all proposals.

Notwithstanding anything else contained to contrary in this Tender Document, IMU-NMC reserves the right to accept or reject any Bid or to annul the bidding process fully or partially or modifying the same and to reject all Proposals at any time prior to the award of work, without incurring any liabilities in this regard.

1.19 Rejection of Bids, The bids will be rejected on following grounds:-

- 1.19.1 If any of the eligibility criteria as per the qualification criteria is not met.
- 1.19.2 EMD not submitted.
- 1.19.3 If tender terms and conditions are not met.
- 1.19.4 If bidder gives wrong information in the bid.
- 1.19.5 Canvassing in any form in connection with the bids.
- 1.19.6 If the bid is incomplete /partial bid/ conditional/unclear in any form.
- 1.19.7 Bids submitted after due date and time.

- 1.19.8 Bids are submitted through Telex/Fax/ e-mail (i.e. modes other than by way of speed post/ courier/ dropping in the box in sealed covers as prescribed).
- 1.19.9 Erasure and/or overwriting (if not countersigned by authorized person).
- 1.19.10 Bids not signed by authorized signatory.
- 1.19.11 The Bid is found incomplete/ non compliance to tender terms.

The above list is an illustrative, but not exhaustive.

1.20 Evaluation Process.

1.20.1 IMU-NMC shall evaluate the responses to the NIT and all supporting documents / documentary evidence. Inability to submit requisite supporting documents / documentary evidence, may lead to rejection.

1.20.2 The interpretation of the bids and the decision made by the IMU in the evaluation of responses to the NIT shall be final. No correspondence will be entertained outside the process of evaluation with IMU-NMC.

1.20.3 IMU-NMC has the right to seek clarifications/documents from the bidders during the technical evaluation process. All such clarifications would be recorded and signed by the bidders authorized rep and authorized officer of IMU-NMC. Any verbal agreement arrived would not be entertained.

1.20.4 IMU-NMC reserves the right to reject any or all bids on the basis of any deviations.

1.20.5 Each of the responses shall be evaluated as per the criteria and requirements specified in this NIT.

1.20.6. IMU may request the vendor/bidder for arranging site visit for verifying the similar installation.

1.21 Tender Evaluation.

Bidders who are selected in Pre-Qualification criteria stated above will be considered technically qualified.

1.21.1 Technical bids will be opened at the IMU- Navi Mumbai Campus (T.S. Chanakya) located at the address stated in tender abstract. Any bidder who is willing to observe the tender opening, may, in person or through his authorized representative (Only one personnel on production of authorization letter), be present at the venue and witness the tender opening.

1.21.2 The bidder or his authorized representative who are present shall sign a register evidencing their attendance. IMU reserves the right to reschedule the tender opening date (technical / financial bid opening) if the scheduled tender opening day is declared as a holiday for the IMU or due to any other administrative reasons which would be published in IMU website and such rescheduling may not be communicated individually in any other modes.

1.21.3 Technical bid (Cover-I) of each bidder shall fulfil the minimum eligibility criteria prescribed in NIT.

1.21.4 The information furnished by the bidder in the Technical Bid in the format(s) prescribed as part of the tender document by IMU-NMC will form the basis for the technical evaluation. In exceptional cases, IMU-NMC reserves the right to obtain any clarifications from any of the bidder. If, in the opinion of the IMU-NMC, information and documents supplied in support of the tender do not meet the minimum eligibility criteria as per NIT and the any or some of the technical specifications as per NIT, as determined by IMU-NMC, the tender / product offering will be treated as non-responsive and rejected by the IMU-NMC and their Cover II – Price bid shall not be opened for evaluation. The IMU-NMC decision is final and binding with regard to technical evaluation.

1.21.5 After satisfying that all / or some of the bidders have attained the minimum qualifying technical criteria as detailed above, bids of only such technically qualified bidders i.e. who fulfil all the qualification / eligibility criteria and also comply with the technical specifications, will be considered for further evaluation. A suitable date and time for opening of the **Price Bids** will be fixed and those bidder(s) who are technically qualified will be intimated through email about the opening of the Price Bids or alternatively, the date may be published in IMU website. Other procedures for opening the Price Bid including the witnessing (by only the technical qualified bidders) the tender opening event, no. of participants etc., will be similar as those for Technical Bid explained in the earlier para(s).

1.21.6 L1 will be awarded to the bidder who quotes lowest for the lumpsum Work.

1.22 **Consignee Details.** The destination point for delivery of materials will be as follows:-

Srl No.	Consignee	Items & Qty
01	Director, Indian Maritime University, Navi Mumbai Campus (T.S. Chanakya) Karave, Nerul Navi Mumbai – 400706.	Fire Fighting Equipment (DCP & Foam type) including Civil, Electrical & Mechanical Work

2. General Conditions of Contract.

2.1. Delivery, Installation, Demonstration, Testing, and User Acceptance:

- 2.1.1. The bidder is required to deliver, Installation, Commissioning, Acceptance, Testing, Training, putting in to operation of equipment at designated place, inspection and approval of the equipments from IRS **for starting the OCTCO Course and including all civil, electrical & mechanical work** in all aspects **within 60 days from the date of Issue of work order** by IMU – Navi Mumbai Campus, **failing which liquidity damages at 0.5% of the price (excluding taxes and duties) of the delayed supplies for each week or part of a week for which the delay has occurred, subject to maximum of 10% of the value of delayed supplies (excluding taxes and duties) shall be recovered.**

- 2.1.2. The successful Bidder shall depute their Service Engineer for demonstration / calibration/ conduct of demo experiments of the equipment onsite.
- 2.1.3. The acceptance tests for supplied goods shall be carried out at IMU by the supplier with the participation of concerned personnel from IMU-NMC.
- 2.1.4. The supplier shall provide necessary consumables till the completion of acceptance testing, without any additional cost.
- 2.1.5. The supplier shall provide inspection and approval of the equipments from IRS **to run the OCTCO Course without any additional cost.**

2.2. Payment Terms:

- 2.2.1. 30% payment against completion of Civil, Electrical & Mechanical work (against certification by IMU-NMC Engineers).
40% payment against successful installation & testing of the Fire - Fighting setup for running OCTCO Course (against certification by IMU-NMC Officials)
30% payment after obtaining licence from IRS to run the OCTCO Course.
- 2.2.2. IMU will make payment within thirty days from the date of receipt of the claim after verification of the claim for its correctness, complete in all aspects from the supplier.

2.3. Security Deposit:

- 2.3.1. 5% of the contract value should be deposited by the successful bidder as Performance Security within 15 days from the date of receipt of Work Order in the form of Account Payee Demand Draft/ Payment online through RTGS / internet banking, Bank Guarantee from any nationalized bank failing which Indian Maritime University – Navi Mumbai Campus may at its discretion cancel the Work Order.
- 2.3.2. Security deposit will be refunded/ returned without any interest only 60 days after successful completion of the warranty period. The refund or return of security deposit is subject to complete fulfillment of the contract obligation by the supplier to the satisfaction of IMU and after adjustment of dues to IMU or penalty along with GST imposed by IMU.

2.4. Agreement:

Contractor should prepare an Agreement of the tender documents on Rs. 500/- (Rupees Five Hundred only) stamp value within 15 days from the date of issue of Work Order. The agreement should be submitted along with the security deposit.

**Sd/- Deputy Registrar
Indian Maritime University
Navi Mumbai Campus**

ANNEXURE I

TECHNICAL SPESIFICATIONS OF FIRE FIGHTING EQUIPMENT (DCP & FOAM TYPE)

INCLUDING CIVIL, ELECTRICAL & MECHANICAL WORK

Sr. No.	Name of Equipment	Specification	Quantity
1.	DESIGN DRAWING DRAWING APPROVAL IRS EQUIPMENT APPROVAL IRS EQUIPMENT OPERATION AND PROCEDURE APPROVAL IRS		
2.	SKID ROOM SIZE 4.5 MTR X 4.5 MTR X HEIGHT 4.5 MTR FOR FIXED FOAM GENERATION AND DCP EQUIPMENT HOLLOW SECTION	100MM X 100MM X 8 MM, 50MM X 50MM X 6MM, FLAT 25X5MM, ANGLE 50X50X6MM,	1100KG
	COLUM , RAFTER , PURLINS , ROOF PUFPANEL 50 MM.	50 MM FOR ROOF	25 SQUARE MTR
	SQURE MESH WITH FRAME FOR DOOR AND ROOM WALL	25MM X 25MM X 5MM SQUARE	82 SQUARE MTR
3.	RAFT		
	EXCAVATION		77 M3
	FILLING		48 M3
	SOILING		33M3
	PCC	M15	22M3
	RCC	M40	44M3
	STEEL TMT		1000KG
	BRICK WALL	RED BRICK / AAC / FLYASH BLOCKS	15M3
	BRICK WALL AND PLASTER WORK	CEMENT	462M2
4	PIPE TRENCH WORK		
	EXCAVATION		24M3
	SOILING		4.6M3
	PCC WORK	M15	3M3
	RCC	M20	83M3
	STEEL TMT	TMT	750KG
5	PUMPING SYSTEM		
	FIRE PUMP	CAP 33LPS	1NOS
	STAINER	MACHING TO PUMP	1NOS
	BUTTERFLY VALVE SUCTION	NB80	1NOS
	BUTTERFLY VALVE DISCHARGE	NB80	1NOS
	LINE PRIMING VALVE	NB 20	1NOS
	FABRICATION AND FITTING FIRE LINE SIZE 3" INCH (S40)	S40	50MTR
	FABRICATION AND FITTING FOAM PIPE LINE 3" (S 40)	S40	16MTR
	DCP LINE (S80)	S40	16MTR
	FIRE LINE LINE ISOLATING VALVE SIZE 3"	150 CLASS	1NOS
6	FIXED FOAM FIRE FIGHTING EQUIPMENT		
	BASE FRAME	CARBON STEEL	200KG
	FLANGE	(ASTM A-105, RATING CLASS-150) M.S	2 NOS

	BUTT WELDED FITTINGS	SS 304	6 NOS
	SS 304 PIPE ASTM A-312 TP 304	(NB 20)	36 MTR
	65 NB PIPE	ASTM/ AMS. SCHEDULE 40	6MTR
	NON RETURN VALVE	ASTM A351 GR . CF 8 (20 NB)	1NOS
	BALL VALVE	ASTM A 351 Gr CF8 (20NB)	9 NOS
	RATIO CONTROLLER	STAINLESS STEEL (65 NB FALCON MAKE)	1NOS
	MANUAL BYPASS VALVE	ASTM A 351 Gr CF8 (20NB)	1NOS
	AUTO BY-PASS VALVE	BRONZE (20 NB FALCON MAKE)	1NOS
	SAFETY VALVE	1/2" BRASS/SS (SET @ 10KG/CM..)	1NOS
	ROTARY GEAR PUMP	50 LPM @10 KG	1 NOS
	Y-TYPE STRANER	ASTM A351 Gr CF (25 NB)	1 NOS
	MOTOR	3 HP , 415, 50HZ	1NOS
	CONTROL PANEL	ON/OFF BUTTON	1NOS
	FEMALE COUPING	2. 1/2 INSTANTANEOUS	1 NOS
	MONITOR	AS PER SOLAS	1 NOS
	SS BALL VALVE (ISOLATING) TO MONITOR	65 NB	1NOS
	SS BALL VALVE (ISOLATING) TO REEL	NB25	1 NOS
	FOAM CONCENTRATE TANK WITH GAUGE GLASS , MATERIAL SS 304, 5 MM THICK	CAPACITY 200 L (100 L AS PER REQUIREMENT) IS 13386.	1 NOS
	HOSE REEL, MATERIAL : MS . HOSE BORE - 19 MM , L- 20 MTRS, WORKING PRESSURE : 105 BAR.	AS PER SOLAS	1NOS
	FOAM INLET VALVE	ASTM A 351 Gr . CF8 (20 NB)	1NOS
	EXCESS FOAM OUTLET VALVE	ASTM A 351 Gr CF8 (20NB)	1 NOS
	INLET OF AUTO BYPASS VALVE	ASTM A351 GR . CF 8 (20 NB)	1NOS
	OUTLET OF AUTO BYPASS VALVE	ASTM A351 Gr. CF8 (20)	1NOS
	FLUSHING WATER INLET	NB20	3MTR
	FLUSHING WATER OUTLET	NB20	3MTR
7	FIXED DCP FIRE FIGHTING EQUIPMENT		
	BASE FRAME	ISM 100 MM	75 KG
	DCP CONTAINER 200 LIT. CAPACITY	HEIGHT 0.98 MTR, DIA, 0.65MTR, FLANGED TOP FOR INTERNAL CLEANING AND INSPECTION. CONTAINER HYDROSTED TO 20 KG/CM2, AS PER IRS	1NOS
	NITROGEN CYLINDER	47 LTR CAPACITY FILLING PRESSURE 100 BAR	1NOS
	NITROGEN PILOT CYLINDER FOR DCP DISCHARGE TO HOSE REEL	3 LTRS , CAPACITY FILLING PRESSURE 100 BAR	1NOS
	NITROGEN PILOT CYLINDER FOR DCP DISCHARGE TO MONITOR	3 LTRS , CAPACITY FILLING PRESSURE 100 BAR	1NOS
	HOSE REEL	HOSE : BORE 19 MM, L 20 MTR, FLOW RATE 3.5 KG / SECONDS	1NOS
	DCP PISLOT WITH HAND REGULATED VALVE	VALVE SS BORE 19 MM PISTOL ALUMINIUM	1N0OS
	PRESSURE GAUGE	ON DCP CONTAINER	70 BAR
	RELIEF VALVE	ON DCP CONTAINER	12 BAR
	PRESSURE RELESE VALVE	NB 20	1NOS

NITROGEN PRESSURE REGULATOR FOR CYLINDER B	INLET PRESS 200 KG/CM2, OUTLET PRESS 10 KG/ CM2, RELIEF VALVE SET @15 KG/CM2	1NOS
NITROGEN PRESSURE REGULATOR FOR PILOT CYLINDER C1	INLET PRESS 200 KG/CM2, OUTLET PRESS 10 KG/ CM2, RELIEF VALVE SET @15 KG/CM2	1 NOS
NITROGEN PRESSURE REGULATOR FOR PILOT CYLINDER C2	INLET PRESS 200 KG/CM2, OUTLET PRESS 10 KG/ CM2, RELIEF VALVE SET @15 KG/CM2	1NOS
HAND CONTROL VALVE	ON PILOT CYLINDER C1 TO OPERATE NITROGEN CYLINDER B	1 NOS
HAND CONTROL VALVE	ON PILOT CYLINDER C1 TO OPERATE DCP DISCHARGE VALVE-10	1 NOS
HAND CONTROL VALVE	ON PILOT CYLINDER C2 TO OPERATE NITROGEN CYLINDER B	1NOS
HAND CONTROL VALVE	ON PILOT CYLINDER C2 TO OPERATE DCP DISCHARGE VALVE- 11	1NOS
PNEUMATIC DCP DISCHARGE VALVE TO HOSE REEL	BORE : 25MM CAN BE OPERATED BY HAND	1 NOS
PNEUMATIC DCP DISCHARGE VALVE TO COMPARTMENT	BORE : 25MM CAN BE OPERATED BY HAND	1 NOS
BLANK CAP ON DCP CONTAINER	M.S.	1 NOS
BLANK FLANGE ON DCP CONTAINER	M.S.	1 NOS
DIP TUBE	M.S. PIPE SCHEDULE 40	1MTR
DISCHARGE INTERNAL PIPE FROM DCP CONTAINER	M.S. PIPE SCHEDULE 40	
INTER CONECTING HOSES	HP . HOSE NB 1/4 X 1MTR 225 BAR ,	8 NOS
MONITOR	BORE:19MM, FLOWRATE-3.5 KG/SECONDS	1NOS
NITROGEN CYLINDER SPARE	47 LTR CAPACITY FILLING PRESSURE 100 BAR	3NOS
CLEANING AIR TO MONITOR	BALL VALVE 25NB	1NOS
CLEANING AIR TO HOSE REEL	BALL VALVE 25NB	1NOS
AIR COMPRESSOR	35 LTR	1NOS

1. The Contractor needs to prepare the layout, section and elevation drawing as per site condition along with detailed specification and get it approved from IMU-NMC Engineers prior to work commencement.

2. List of items to be used for Civil works as attached as Annexure - VI

3. Any damage done by the agency during the work will be repaired by the agency free of cost to the satisfaction & certification of IMU-NMC Engineers.

Annexure II

(Technical Bid-Cover 1)

[On the Letter head of the Bidder and to be put in a separate sealed cover]

Tender for “Setting of additional Infrastructure at Fire-Fighting Mock-up to Run the OCTCO Course at IMU-NMC”

Ref: IMU-NMC/PUR/2024-25/0044 dated 03.12.2024

From
Name & Address of the Bidder

Ph: Email:

To
Deputy Registrar (Admin),
IMU, Navi Mumbai Campus,
(T.S. Chanakya)
Karave, Nerul,
Navi Mumbai-400 706.

Dear Sir,

We hereby submit our Technical Bid for **Setting of additional Infrastructure at Fire-Fighting Mock-up to Run the OCTCO Course at IMU-NMC.**

1. Compliance Statement.

Sl. No	Item Description	Compliance to Specification Yes/No
1	Whether the bidder could supply the Fire Fighting equipment including civil, mechanical work as per the technical specification given in Annexure-I as per NIT	

2. Experience in the business of providing Similar Supply Since F.Y. 2021-22, 2022-23 and 2023-24 or earlier.

Sl No	Eligibility Criteria Details	Bidders Confirmation
1	Whether in the business of Providing Similar Supply Since F.Y. 2021-22, 2022-23 and 2023-24 or earlier & meet this eligibility criteria (Yes / No)	

a)	Since when	
b)	Mode of Proofs enclosed:	Page No.
(i)		
(ii)		
(iii)**		

** - May add more rows as required

3. A Similar Supply with minimum value specified in any one of the three set of values (a or b or c) carried out during the last five financial years (2019-20 to 2023-24):

(Radio Communication Equipment):

Sl. No	Eligibility Criteria Details	Bidders Confirmation
A	The Bidder should have satisfactorily completed “Similar Supply and installation” with minimum value specified in any one of the three set of values (a or b or c) carried out during the last any one of the five financial years (2019-2020 to 2023-2024) (Yes / No)	
a)	At least one similar supply with a minimum value of Rs. 32 Lakh (80% of Bid value) : (Yes / No)	
b)	At least two Similar Supply with a minimum value of Rs. 20 Lakh (50 % of Bid value) (Yes / No)	
c)	At least three Similar Supply with a minimum value of Rs. 16 Lakh (40% of Bid value.) (Yes / No)	

3. B. Details of similar supply with minimum value specified in any one of the three set of values (a or b or c) carried out during the last five financial years (2019-2020 to 2023-2024) [in proof of sl. No. 3-A above]:

Sl. No.	Client-Name Address	Equipment Supplied & Commissioned	Work order ref	Value of supply (Rs. in Lakhs)	Date Commissioning of by Bidder	Present Operational Status

** - May add more rows as required

4. Minimum Average Annual turnover.

Sl. No.	Eligibility Criteria Details	Bidders Confirmation	
(i)	The Bidder should have an average annual turnover of at least Rs. 20 lakhs during past 5 financial year's i.e. 2019-20 to 2023-24. (Yes / No)		
	Year / Proof enclosed	Turnover	Page No.
(ii)	2019-20		
(iii)	2020-21		
(iv)	2021-22		
(v)	2022-23		
(vi)	2023-24		

Other Eligibility Criteria & Essential requirements and details.

Sl. No.	Particulars	Bidders Confirmation / Details	Details of Proof Enclosed	Page No.
5.	The bidder should submit the copy of Income Tax return for last three financial years i.e. 2021-22, 2022-23 & 2023-24 (Assessment year 2022-23, 2023-24 & 2024-25) [YES / NO]		Copy Income tax Returns.	
6.	Whether the Bidder have a valid PAN and GST Registration [YES / NO]		Copy of PAN & GST Registration Certificate enclosed	
7.	The Bidder shall be the reputed Original Equipment Manufacturer (OEM) or their authorized/certified partner or authorized re-seller from India. He shall furnish necessary authorization from the OEM authorizing him to provide all goods and services support indicated in this tender and confirming that necessary assistance would be provided to the firm in providing required support during the Warranty Period. [YES/NO]		OEM Authorization / Certification as per the Annexure III. In case of participation by OEM, self-declaration.	
8.	The Bidder should not have been blacklisted or debarred from bidding for any government or central government autonomous organisation. [YES/NO]		Self-declaration to this effect.	

9.	Whether the Bidder has attached an EMD for Rs.28,000/-in the form of Demand Draft or Exemption certificate [YES/NO]		Original DD No. _____ enclosed with technical bid	
10.	Name, Designation, Address and Telephone Number of Authorized person(s) of Agency/ Firm			
11.	Type of the Organisation (Sole Proprietorship/Partnership/Pvt Ltd Co / Public Ltd Co. etc.			
12.	Name of the Authorised Signatory with Designation			
13.	Address of the Bidders			
14.	Email Address			
15.	Contract Numbers			
16.	Any other Remarks from Bidders:			
17.	Specific site preparation / site infrastructure required for effective functioning of equipment required (Yes/ No). If yet to be detailed in this column or to be enclosed.			

I am also enclosing bidder memorandum and undertaking duly signed by me /us.

Declaration:-

I / We certify that all the particulars furnished above are true and correct and based on documentary evidence, and that I /we understand that if any of the above particulars is found to be false or misleading, our bid is liable to be summarily rejected at any stage and my /our firm is liable to be debarred by IMU for at least 3 years, in addition to any other right or remedy available to IMU including forfeiture of EMD, Security Deposit etc.

Date:

Signature with Seal of Authorized Signatory

Place:

Annexure III

OEM'S AUTHORISATION CERTIFICATE TO THE BIDDER

To
Deputy Registrar (Admin),
IMU, Navi Mumbai Campus,
(T.S. Chanakya)
Karave, Nerul,
Navi Mumbai-400 706.

Ref: IMU-NMC/PUR/2024-25/0044

dated 03.12.2024

Sir,

WHEREAS _____ who are official producers
Authorized Sales and Service dealers of _____ do hereby authorised
_____ located at _____ (to submit a bid and sign Tender with you for
resale and support of the following Products supplied by us, for the quantities, specifications and
delivery schedule called for by the technical specifications associated with the above Invitation
for Bids:

Product Description	Type

We hereby extend to you a full guarantee and warranty and maintenance support, availability of spares for 05 years from the date of completion of the work, in accordance with the Conditions of Tender along with the standard product warranty, and duly authorize the Bidder to act on our behalf in fulfilling all warranty and support obligations with respect to the above-listed products offered for resale by the Bidder in relation to this Invitation for Bids.

Name _____ in the capacity of _____ Signed Duly
authorized to sign the authorization for and on behalf of _____ Dated on _____
day of _____

Note: This letter of authorization must be on the letterhead of the supplier, must be signed by a person competent and having the power of attorney to bind the supplier, and must be included by the Bidder in its bid.

Annexure IV

BIDDER MEMORANDUM & UNDERTAKING

[to be signed enclosed with technical bid by the bidder.]

1. General Description:

Tender for “Setting of additional Infrastructure at Fire-Fighting Mock-up to Run the OCTCO Course at IMU-NMC.

Tender:- IMU-NMC/PUR/2024-25/0044 dated 03.12.2024
2. Period of Contract.Outright supply with five years warranty.
3. Forfeiture of Earnest Money Deposit & Undertakings by the Bidder
 - a) Should this tender be accepted in whole or in Part, I / we here agree to terms and abide and fulfil all conditions annexed hereto and all the terms and provisions contained in the all parts of the tender documents so far as applicable and/or in default thereof the EMD paid by me will be forfeited in favour of IMU – Navi Mumbai Campus.
 - b) To execute all the supply and services referred to there in the tender documents upon the terms and conditions contained or referred to therein and carryout such deviations as may be ordered by IMU – Navi Mumbai Campus.
 - c) This is to certify that I/We before signing this bid have read and fully understood all the terms and conditions and instructions contained therein and undertake to abide by the all the terms and conditions laid down in the tender/bid documents.
4. I/We abide by all the laws and statutory provisions applicable to the contract.

SIGNATURE.....
FOR AND ON BEHALF OF
DATE.....

Annexure V

PRICE BID (Cover II) FORM OF TENDER

Note: This Memorandum forms part of the Tender must be on the letterhead of the bidder, duly filled in, signed & sealed and enclosed along with the Tender.

To
Deputy Registrar (Admin),
IMU, Navi Mumbai Campus,
(T. S. Chanakya)
Karave, Nerul,
Navi Mumbai-400 706.

Ref: IMU-NMC/PUR/2024-25/0044 dated 03.12.2024

Sir,

WHEREAS _____ who are official producers /
authorized Sales and Service dealers, of _____ do
hereby authorize _____
located at _____ to submit a bid and sign Tender with you for
sale and support of the following Products supplied by us, for the quantities, specifications
and delivery schedule called for by the technical specifications associated with the above
Invitation for Bids:

We hereby extend to you a full guarantee and warranty, availability of spares for the period
covering warranty from the date of completion of work.

SIGNATURE.....
FOR AND ON BEHALF OF
DATE

PRICE BID

“Setting of additional Infrastructure at Fire-Fighting Mock-up to Run the OCTCO Course at Indian Maritime University Navi Mumbai Campus as per the tender document complying with all the conditions stipulated in various parts of the tender documents including its annexure and schedules.

Detailed Price Bid is enclosed as Schedule 1 & Schedule 2

Yours faithfully,

Date:

Place:

Signature with Seal of Authorized Signatory

PRICE BID

SCHEDULE 1

Setting of additional Infrastructure at Fire-Fighting Mock-up to Run the OCTCO Course at Indian Maritime University –Navi Mumbai Campus as per the tender documents complying with all the conditions stipulated in various parts of the tender documents including its Annexure and schedules.

Ref: Tender No. IMU-NMC/PUR/2024-25/0044

dated 03.12.2024

Sr. No.	Particular	Price (inclusive of GST)
1	Setting of additional Infrastructure at Fire-Fighting Mock-up to Run the OCTCO Course	
	Grand Total:	

Note: The price quoted above should be inclusive of supply, installation, commission, training, testing, integration with equipments and approval of the equipments from IRS for starting the OCTCO Course and including civil, electrical and mechanical work etc.

Authorized Signature with seal

SCHEDULE 2

Setting of additional Infrastructure at Fire-Fighting Mock-up to Run the OCTCO Course at Indian Maritime University –Navi Mumbai Campus as per the tender documents complying with all the conditions stipulated in various parts of the tender documents including its Annexure and schedules.

Ref: Tender No. IMU-NMC/PUR/2024-25/0044

dated 03.12.2024

Price Break-up

Sr. No.	Name of Equipment	Specification	Quantity	Price (inclusive of GST)
1.	DESIGN DRAWING DRAWING APPROVAL IRS EQUIPMENT APPROVAL IRS EQUIPMENT OPERATION AND PROCEDURE APPROVAL IRS			
2.	SKID ROOM SIZE 4.5 MTR X 4.5 MTR X HEIGHT 4.5 MTR FOR FIXED FOAM GENERATION AND DCP EQUIPMENT HOLLOW SECTION	100MM X100MM X 8 MM,50MMX50MMX6 MM, FLAT25X5MM, ANGLE 50X50X6MM,		
	COLUM ,RAFTER , PURLINS , ROOF PUFPANEL 50 MM.	50 MM FOR ROOF		
	SQURE MESH WITH FRAME FOR DOOR AND ROOM WALL	25MM X25MM X5MM SQUARE		
3.	RAFT			
	EXCAVATION			
	FILLING			
	SOILING			
	PCC	M15		
	RCC	M40		
	STEEL TMT			
	BRICK WALL	RED BRICK / AAC / FLYASH BLOCKS		
	BRICK WALL AND PLASTER WORK	CEMENT		
4	PIPE TRENCH WORK			
	EXCAVATION			
	SOILING			
	PCC WORK	M15		
	RCC	M20		
	STEEL TMT	TMT		
5	PUMPING SYSTEM			
	FIRE PUMP	CAP 33LPS	1NOS	
	STAINER	MACHING TO PUMP	1N0S	
	BUTTERFLY VALVE SUCTION	NB80	1NOS	
	BUTTERFLY VALVE DISCHARGE	NB80	1NOS	
	LINE PRIMING VALVE	NB 20	1NOS	
	FABRICATION AND FITTING FIRE LINE SIZE 3"INCH (S40)	S40	50MTR	

	FABRICATION AND FITTING FOAM PIPE LINE 3" (S 40)	S40	16MTR	
	DCP LINE (S80)	S40	16MTR	
	FIRE LINE LINE ISOLATING VALVE SIZE 3"	150 CLASS	1NOS	
6	FIXED FOAM FIRE FIGHTING EQUIPMENT			
	BASE FRAME	CARBON STEEL	200KG	
	FLANGE	(ASTM A-105, RATING CLASS-150) M.S	2 NOS	
	BUTT WELDED FITTINGS	SS 304	6 NOS	
	SS 304 PIPE ASTM A-312 TP 304	(NB 20)	36 MTR	
	65 NB PIPE	ASTM/ AMS. SCHEDULE 40	6MTR	
	NON RETURN VALVE	ASTM A351 GR . CF 8 (20 NB)	1NOS	
	BALL VALVE	ASTM A 351 Gr CF8 (20NB)	9 NOS	
	RATIO CONTROLLER	STAINLESS STEEL (65 NB FALCON MAKE)	1NOS	
	MANUAL BYPASS VALVE	ASTM A 351 Gr CF8 (20NB)	1NOS	
	AUTO BY-PASS VALVE	BRONZE (20 NB FALCON MAKE)	1NOS	
	SAFETY VALVE	1/2" BRASS/SS (SET @ 10KG/CM..)	1NOS	
	ROTARY GEAR PUMP	50 LPM @10 KG	1 NOS	
	Y-TYPE STRANER	ASTM A351 Gr CF (25 NB)	1 NOS	
	MOTOR	3 HP , 415, 50HZ	1NOS	
	CONTROL PANEL	ON/OFF BUTTON	1NOS	
	FEMALE COUPING	2. 1/2 INSTANTANEOUS	1 N0S	
	MONITOR	AS PER SOLAS	1 NOS	
	SS BALL VALVE (ISOLATING) TO MONITOR	65 NB	1NOS	
	SS BALL VALVE (ISOLATING) TO REEL	NB25	1 NOS	
	FOAM CONCENTRATE TANK WITH GAUGE GLASS , MATERIAL SS 304, 5 MM THICK	CAPACITY 200 L (100 L AS PER REQUIREMENT) IS 13386.	1 N0S	
	HOSE REEL, MATERIAL : MS . HOSE BORE - 19 MM , L- 20 MTRS, WORKING PRESSURE : 105 BAR.	AS PER SOLAS	1N0S	
	FOAM INLET VALVE	ASTM A 351 Gr . CF8 (20 NB)	1N0S	
	EXCESS FOAM OUTLET VALVE	ASTM A 351 Gr CF8 (20NB)	1 NOS	
	INLET OF AUTO BYPASS VALVE	ASTM A351 GR . CF 8 (20 NB)	1NOS	
	OUTLET OF AUTO BYPASS VALVE	ASTM A351 Gr. CF8 (20)	1N0S	
	FLUSHING WATER INLET	NB20	3MTR	
	FLUSHING WATER OUTLET	NB20	3MTR	
7	FIXED DCP FIRE FIGHTING EQUIPMENT			

BASE FRAME	ISM 100 MM	75 KG	
DCP CONTAINER 200 LIT. CAPACITY	HEIGHT 0.98 MTR, DIA, 0.65MTR, FLANGED TOP FOR INTERNAL CLEANING AND INSPECTION. CONTAINER HYDROSTED TO 20 KG/CM2, AS PER IRS	1NOS	
NITROGEN CYLINDER	47 LTR CAPACITY FILLING PRESSURE 100 BAR	1NOS	
NITROGEN PILOT CYLINDER FOR DCP DISCHARGE TO HOSE REEL	3 LTRS , CAPACTITY FILLING PRESSURE 100 BAR	1NOS	
NITROGEN PILOT CYLINDER FOR DCP DISCHARGE TO MONITOR	3 LTRS , CAPACTITY FILLING PRESSURE 100 BAR	1NOS	
HOSE REEL	HOSE : BORE_ 19 MM, L_20 MTR, FLOW RATE 3.5 KG / SECONDS	1NOS	
DCP PISLOT WITH HAND REGULATED VALVE	VALVE SS BORE 19 MM PISTIOL ALUMINIUM	1N0OS	
PRESSURE GAUGE	ON DCP CONTAINER	70 BAR	
RELIEF VALVE	ON DCP CONTAINER	12 BAR	
PRESSURE RELESE VALVE	NB 20	1NOS	
NITROGEN PRESSURE REGULATOR FOR CYLINDER B	INLET PRESS 200 KG/CM2, OUTLET PRESS 10 KG/ CM2, RELIEF VALVE SET @15 KG/CM2	1NOS	
NITROGEN PRESSURE REGULATOR FOR PILOT CYLINDER C1	INLET PRESS 200 KG/CM2, OUTLET PRESS 10 KG/ CM2, RELIEF VALVE SET @15 KG/CM2	1 NOS	
NITROGEN PRESSURE REGULATOR FOR PILOT CYLINDER C2	INLET PRESS 200 KG/CM2, OUTLET PRESS 10 KG/ CM2, RELIEF VALVE SET @15 KG/CM2	1NOS	
HAND CONTROL VALVE	ON PILOT CYLINDER C1 TO OPERATE NITROGEN CYLINDER B	1 N0S	
HAND CONTROL VALVE	ON PILOT CYLINDER C1 TO OPERATE DCP DISCHARGE VALVE- 10	1 N0S	
HAND CONTROL VALVE	ON PILOT CYLINDER C2 TO OPERATE NITROGEN CYLINDER B	1NOS	
HAND CONTROL VALVE	ON PILOT CYLINDER	1NOS	

		C2 TO OPERATE DCP DISCHARGE VALVE-11		
	PNEUMATIC DCP DISCHARGE VALVE TO HOSE REEL	BORE : 25MM CAN BE OPERATED BY HAND	1 NOS	
	PNEUMATIC DCP DISCHARGE VALVE TO COMPARTMENT	BORE : 25MM CAN BE OPERATED BY HAND	1 NOS	
	BLANK CAP ON DCP CONTAINER	M.S.	1 NOS	
	BLANK FLANGE ON DCP CONTAINER	M.S.	1 NOS	
	DIP TUBE	M.S. PIPE SCHEDULE 40	1MTR	
	DISCHARGE INTERNAL PIPE FROM DCP CONTAINER	M.S. PIPE SCHEDULE 40		
	INTER CONECTING HOSES	HP . HOSE NB 1/4 X 1MTR 225 BAR ,	8 NOS	
	MONITOR	BORE:19MM, FLOWRATE-3.5 KG/SECONDS	1NOS	
	NITROGEN CYLINDER SPARE	47 LTR CAPACITY FILLING PRESSURE 100 BAR	3NOS	
	CLEANING AIR TO MONITOR	BALL VALVE 25NB	1NOS	
	CLEANING AIR TO HOSE REEL	BALL VALVE 25NB	1NOS	
	AIR COMPRESSOR	35 LTR	1NOS	
8	Additional 1			
	Additional 2			
	Additional 3			
	Additional 4			
	Additional 5			
Total (must be matching with value given in Schedule - 1)				

1. The quantity in Sl. No. 2, 3 & 4 must be filled by bidder.
2. Any additional items, which are not mentioned in schedule - 2 any mandatory, may be added by the bidder in the blank rows provided.
3. The total of amount in schedule - 2 must be matching with the amount in schedule - 1
4. Actual Quantities & Specification are subject to vary/change depending upon finalization of approved drawing & specification as per requirement (Civil+Electrical) from IMU-NMC, without any financial liability on IMU-NMC.

Annexure VI

LIST OF PREFERRED MAKES (Civil Work)

Note:

1. The contractor shall obtain prior approval from the Engineer-in-Charge before placing order for any specific material or engaging any of the specialized agencies. The contractor shall make a detailed submittal with catalogues and highlighted proposed specification as well as full details of the works executed by the specialized agencies, as specified.
2. Unless otherwise specified, the brand / make of the material as specified in the item nomenclature, in the particular specification and in the list of approved materials attached in the tender, shall be used in the work.
3. In case of non-availability of the brand specified in the contract the contractor shall be allowed to use alternate equivalent brand of the material subject to submission of documentary evidence of non-availability of the specified brand. The necessary cost adjustments on account of above change shall be made for the material.
4. The Engineer-In-Charge shall verify that manufacturers must have valid IS Certification as on date for materials wherever applicable.

The following brands shall be used if not otherwise mentioned in the items.

LIST OF PREFERRED MAKE / BRAND

MATERIALS	PREFERRED MAKE/ BRAND
ORDINARY PORTLAND CEMENT / PORTLAND POZZOLANA CEMENT	ULTRA TECH, A.C.C., AMBUJA, BIRLA, J.K. CEMENT, VIKRAM.
WHITE CEMENT / PUTTY	J.K., BIRLA, SAINT GOBAIN (WEBER)
REINFORCEMENT STEEL	TATA STEEL, SAIL, RINL, JINDAL STEEL & POWER LTD., JSW STEEL LTD.
PARALLEL THREADED COUPLERS	DEXTRA, G-TECH, SPPLICETEK, ISHITA
RE-BARRING CHEMICAL	HILTI, 3M INDIA, FISCHER
STRUCTURAL STEEL/TUBES	TATA STEEL, SAIL, RINL, JINDAL, JSPL, APL APOLLO VIZAG, JINDAL
PLASTICIZER, SUPER PLASTICIZER, ADMIXTURES, OTHER CONSTRUCTION CHEMICALS	MC BAUCHEMIE, SIKA, FOSROC, BASF, DR. FIXIT, CICO, ASIAN
CEMENT CONCRETE BLOCKS	CONWOOD, GURJARI, HINDUSTAN, LOK GROUP, SAI BLOCKS, VED PMC LTD., GODREJ
AAC BLOCKS	AEROCON, SIPOREX, ULTRA TECH, ECOLITE, GODREJ
ACC BLOCK ADHESIVE	ACC, ULTRA TECH, J.K., FERROUS CRETEM, BAL ENDURA, AEROCON, ARDEX ENDURA
POLYMER MODIFIED CEMENTITIOUS GROUT / TILE ADHESIVE	ARDEX ENDURA, LATECRETE, FOSROC, BASF, ACC, ECO GREEN.
LIST OF RMC PRODUCERS	A.C.C., ULTRA TECH, PRISM JOHNSON RMC, GODREJ, JSW, NUVOCO (LAFARGE)
WATERPROOFING COMPOUND	DOCTOR FIXIT (PIDILITE), BASF, CICO, SIKA, FOSROC, KRYTON, ASIAN LABORATORIES, MC BAUCHEMIE
WATER PROOFING BASE COAT	UNO, ASIAN, SIKA
SILICON BASED WATER REPELLENT/ WEATHER SEALANT	GE PLASTICS, DOW COMINGS, WACKER, BASF, PIDILITE
POLY-SULPHIDE SEALANT	FOSROC, PIDILITE, SIKA, BASF

Insertion : Nil

Correction : Nil

Omission : Nil

AE(E) (P) / AE(P).....

PLYWOOD	ARCHID, KITPLY, GREEN PLY, CENTURY, REGENCY WOOD PANEL, KALPATARU.
FLUSH DOOR SHUTTERS	KENWOOD, ANCHOR, KUTTY, GREENPLY, ORIENT, KALPATARU
HIGH-PRESSURE LAMINATE	AICA(SUNMICA), MERINO, GREENLAM, CENTURY, ROYAL TOUCH, DURIAN, ANCHOR
METAL-FIRE RATED DOOR SHUTTERS	ADHUNIK TECHNOLOGY, GODREJ, , SUKRITI, SHAKTI HORMANN, NAVAIR
FIRE RATED VISION PANELS	SAINTGOBAIN,PILKINGTON,SCHOTT,FERILITE, PYROGUARD
GLAZED FIRE DOOR	PROMAT,SAINT GOBAIN,GODREJ,SHAKTI MET,PACIFIC FIRE CONTROLS , NAVAIR
ROLLING SHUTTER WITH GRILLS	STANDARD,SWASTIK,SHUBDHAR,SONA
ALUMINIUM EXTRUSIONS	HINDALCO,JINDAL
DASH FASTNERS	HILTI,FISHER,CANON
SS RAILING	KICH, GODREJ,ARCHWARE, HAFELE
SS HARDWARE AND ACCESSORIES FOR DOORS AND FIRE DOORS	DORMA, HAFELE, GEZE,KICH, ARCHWARE, OZONE
STAINLESS STEEL	SALEM STEEL, JINDAL OR EQUIVALENT
HARDWARE FOR KITCHEN CABINET, WARD ROBE AND SHELVES	GODREJ, EBCO, KAFF, SLEEK, HAFELE, DORMA
HERMITICALLY SEALED PERFORMANCE GLASS TOUGHENED GLASS,DGU	AUTHORIZED FABRICATORS OF MODI GUARD, SAINTGOBAIN,TATAASAHI,GLEVERBEL,PILKINGTON, HNG.
PARTICLE BOARD	ACTION TESA, GREENLAM, MERINO, KITPLY
MELAMINE POLISH	ASIAN PAINTS (MELAMYNE GOLD), PIDILITE INDUSTRIES (WUDFIN), AKZONOBEL PPG INDUSTRIES
CEMENT BASED WALL PUTTY	BIRLA WALL CARE, JK WHITE , BERGER, ASIAN PAINTS
OIL BOUND WASHABLE DISTEMPER / DRY DISTEMPER	ASIAN PAINT : (PROFESSIONAL ACRYLIC DISTEMPER), NEROLAC : BEAUTY ACRYLIC DISTEMPER BERGER: BISON ACRYLIC DISTEMPER
1ST QUALITY ACRYLIC DISTEMPER / DRY DISTEMPER	ASIAN PAINTS : (TRACTOR AQUA LOCK PAINT), BERGER : COMMANDO OR EQUIVALENT PAINTS OF NEROLAC OR
ACRYLIC EMULSION PAINTS	ASIAN PAINTS : (PROFESSIONAL PREMIUM INTERIOR EMULSION PAINTS), NEROLAC : BEAUTY GOLD BERGER : RANGOLI TOTAL CARE
PLASTIC EMULSION PAINT	ASIAN PAINTS : (APCOLITE HEAVY DUTY PREMIUM EMULSION PAINT), NEROLAC : IMPRESSION BERGER : EASY CLEAN
PREMIUM ACRYLIC EMULSION PAINTS (INTERIOR)	ASIAN PAINTS : (ROYAL LUXURY EMULSION), NEROLAC : IMPRESSION BERGER : SILK JENSON & NICHOLSON
TEXTURED EXTERIOR PAINT	ASIAN PAINTS, NEROLAC, BERGER PAINTS, ULTRATECH PAINTS, LUXTURE

Insertion : Nil

Correction : Nil

Omission : Nil

AE(E) (P)

AE(P)

ACRYLIC SMOOTH EXTERIOR PAINT ✓	ASIAN PAINTS : (APEX/PROFESSIONAL PREMIUM EXTERIOR EMULSION), NEROLAC : XL BERGER : WEATHER COAT, PEARL, PEARL-ULTIMA (ADVANCE ANTI-ALGAL WEATHER PROOF PAINT)
PREMIUM ACRYLIC SMOOTH EXTERIOR PAINT WITH SILICON ADDITIVE ✓	ASIAN PAINTS : APEX ULTIMA NEROLAC : XL TOTAL BERGER : WEATHER COAT ALL GUARD,
SYNTHETIC ENAMEL PAINT ✓	ASIAN PAINTS : APCOLITE PREMIUM GLOSS ENAMEL, NEROLAC : SYNTHETIC HI GLOSS BERGER : LUXOL HI GLOSS
CEMENT PRIMER ✓	NEROLAC, BERGER, BP WHITE (BERGER), DECOPRIME WT (ASIAN), WHITE PRIMER (AKZONOBEL PPG INDUSTRIES)
STEEL PRIMER (RED OXIDE ZINC CHROMATE PRIMER) ✓	ASIAN PAINTS, BERGER, NEROLAC
WOOD PRIMER ✓	ASIAN PAINT (WOOD PRIMER- WHITE/PINK), BERGER, NEROLAC
EPOXY PAINT ✓	NEROLAC, ASIAN, BERGER, KANSAI AKZO NOBEL.
FIRE PAINT ✓	ASIAN PAINTS, AKZONOBEL COATINGS INDIA LTD, PROMAT, JOTUN
GYPSUM PLASTER ✓	GYPROC, ASIAN PAINTS, BIRLA, FERROUS CRETE, ULTRA TECH.
GYPSUM BOARD ✓	SAINT GOBAIN, BORAL
CEMENT BASED READY MIX PLASTER ✓	ULTRATECH, WALLPLAST, BUILDWELL, ACC.
EPDM GASKET ✓	AMEE RUBBER INDUSTRIES PVT. LTD., BOHRA RUBBER OSAKA
DASH / ANCHORING FASTENERS ✓	HILTI, FISCHER, ARROW, KUNDAN, TRIXEL, WURTH
MORTICE LOCK ✓	GODREJ, HARRISON
SPIDER FITTINGS ✓	DORMA, HAFELE, GEZE
ALUMINIUM STRUCTURAL MEMBERS - WINDOWS, GLAZING AND PARTITIONS ✓	HINDALCO, INDALCO, JINDAL ALUMINIUM LTD.
ALUMINUM B & R PANEL (ACP) ✓	ALSTRONG, ALUCOBOND, ALUDECOR, EUROBOND
FLOOR SPRING/DEAD LOCK/DOOR CLOSERS/PANIC BAR ✓	DORMA, GEZE, HAFELE.
ALL TYPE OF SILICONE ✓	DOW CORNING, GE SILICON
METALLIC FALSE CEILING ✓	KNAUF ARMSTRONG, HUNTER DOUGLAS, SAINT GOBAIN, DEXUNE INTERACH
ALUMINUM HALF ELLIPTICAL PROFILED LOUVERS ✓	HUNTER DOUGLAS, CANTORI, DEZEEN
ALUMINUM QUADROCLAD HONEYCOMB FAÇADE SYSTEM WITH 25MM THICK PANELS ✓	HUNTER DOUGLAS, CANTORI, DEZEEN
FLOOR & WALL TILES : CERAMIC / VETRIFIED TILES / ANTISKID / MATT ✓	KAJARIA, JOHNSON, NITCO, SOMANY

Insertion : Nil

Correction : Nil

Omission : Nil

AE(E) (P)

AE(D)

ULTIMA

/ GLAZED

CHEQUERED TILES, PAVER BLOCK
& KERB STONE ✓SUPER TILES, HIND MOSAIC, KAJARIA, ULTRA
DESIGNER TILE, NITCO, VITCO, VYAARA

VITRIFIED PAVER TILES ✓

KAJARIA, PAVIT, JOHNSON, NITCO, VITCO.

CLEAR / FLOAT / FROSTED GLASS /
MIRROR ✓

ST. GOBAIN, MODIGUARD, ASAHI, PILKINGTON

VITREOUS CHINAWARE SANITARY
WORK ✓

HINDWARE, JAQUAR, KOHLER

BATHROOM ACCESSORIES (TOWEL
RING, TOWEL RACK, SOAP DISH
HOLDER, ETC) ✓

CERA, JAGUAR, ARCHWARE, KICH, HINDWARE.

GULLY TRAPS (S.W.)

PERFECT, PARRY, CHERRY

PLASTIC SEAT WITH LID ✓

PARRYWARE, HINDWARE, SEABIRD

SANITARY WARE ✓

KOHLER, HINDWARE, JAQUAR.

WATER SUPPLY CP FITTINGS &
ACCESSORIES ✓

SIMPOLO, JAQUAR, KOHLER, ROCA, CERA

PVC WATER TANK ✓

SINTEX, NATIONAL PLASTIC, KAVERI.

STAINLESS STEEL SINK ✓

NIRALI, CERA, JAQUAR,
NEELKANTHA, STAR, JAYNA, NIRALI

C P BRASS FITTINGS ✓

JAQUAR, KOHLER, HINDWARE.

C P BRASS FLUSH VALVE ✓

JAQUAR, ZOLOTO, LEADER.

GI PIPES ✓

ZENITH / TATA / JINDAL, SURYA, ASIAN

GI FITTINGS ✓

UNIK, ZOLOTO, AVR, R-BRAND

VALVES ✓

ZOLOTO, SANT, KIRLOSKAR, LEADER

HDPE PIPE ✓

RELIANCE, JAIN PIPES, ORIPLAST, SUPREME

DI PIPES AND FITTINGS ✓

ELECTROSTEEL, KESORAM, JINDAL, TATA DUCTURA,
NECO, KAPILANSH.CENTRIFUGALLY CAST (SPUN) IRON
PIPES & FITTINGS ✓

NECO, KAPILANSH, SKF, BIC

HUBLESS CI PIPES & FITTINGS ✓

NECO, KAPILANSH, SKF, SAINT GOBAIN

CI MANHOLE COVERS, FRAMES & GI
GRATINGS ✓

NECO, KAPILANSH, SKF

SFRC COVERS ✓

KK SPUN PIPES, JAIN SPUN PIPES, SS INDUSTRIES

RCC PIPES ✓

JAIN SPUN PIPES, LAKSHMI, SOOD & SOOD, PRAGATI,
K.K. SPUN PIPE, THE INDIAN HUME PIPE CO. LTD., PATEL
HUME PIPES.

UPVC / CPVC PIPE & FITTINGS ✓

FINOLEX SUPREME, PRINCE, ASTRAL, ASHIRWAD,
RAKSHA.UPVC DOORS & WINDOWS (PROFILE
MAKERS & THEIR AUTHORIZED
FABRICATORS ONLY) ✓

FENESTA, KOMMERLING, ALUPLAST, DUROPLAST

UPVC DOORS & WINDOWS
HARDWARE ✓

ROTT, DORSET, KINLONG

FRP CHAJJA, FRP SHUTTERS &
FRAME ✓

FIBREWAYS, BHUTT FRP

ANODISED ALUMINIUM DOORS ✓

CLASSIC, SHALIMAR, PRESTIGE

Insertion : Nil

Correction : Nil

Omission : Nil

AE(E) (P)

/ AE(P).

FITTINGS (ISI MARKED ONLY)	RAJASHREE, PLASTIWOOD, ACCUCEL,
PVC SHUTTERS & FRAME	DUROPLAST, POLYLINE, POLYWOOD, VIJAY DOORS.
STEEL DOOR / WINDOW FRAMES	AGEW, SENHARVIK, SHIV MULAR, STEEL PLAST
SBR COMPOUND (FOR REPAIR MORTAR & WATER PROOFING SLURRY)	MASTER EMACO SBR2 OF BASF, SIKA LATEX POWER, CICO LATEX SBR
ACRYLIC POLYMER FOR BOND COAT AND POLYMER MODIFIED MORTAR	ANUVI CHEMICAL, SUNANDA SPECIALTY COATING PVT. LTD,
RUST REMOVER	ANUVI CHEMICAL, SUNANDA SPECIALTY COATING PVT. LTD,
RUST PASSIVATOR	ANUVI CHEMICAL, SUNANDA SPECIALTY COATING PVT. LTD,
READYMADE SINGLE COMPONENT POLYMER CHEMICAL AND MODIFIED REPAIR MORTAR	ANUVI CHEMICAL, SUNANDA SPECIALITY COTING PVT.LTD, SKG CONSTN., BASF, SIKA, PIDILITE, FOSROC, SUNANDA, KRISHNA
STRUCTURAL REPAIR CHEMICALS	ANUVI CHEMICAL, SUNANDA SPECIALITY COTING PVT.LTD, SKG CONSTN., BASF, SIKA, PIDILITE, FOSROC, SUNANDA, KRISHNA
MICRO CONCRETE	DR. FIXIT, BASF, FOSROC, ACC, ULTRA TECH
STONE WARE PIPES GRADE-A (ISI MARKED ONLY)	SONYA, SUPERTECH, CHERRY
PTMT (ISI MARKED ONLY)	PRAYAG, POLYTUF
VEENERS	GREENLAM (SUCUPIRA, GOLDEN TEAK, AFRICAN WALNUT) OR EQUIVALENT IN DURO, EKBOTE, CENTURY
METAL FALSE CEILING	ARMSTRONG, USG BORAL, AEROLITE
MINERAL FIBRE FALSE CEILING	ARMSTRONG, USG BORAL, AEROLITE
TOILET CUBICLES	MERINO (TITAN SERIES) OR EQUIVALENT IN GREENPLY, DORMA
ACCOUSTICAL WALL PANELLING	ARMSTRONG, ANUTONE, USG BORAL ECOPHONE, TECHNO
ACCOUSTICAL TILE FALSE CEILING	ARMSTRONG, ECOPHONE, USG BORAL
PUFF PANEL SHEET	KINGSPAN JINDAL, LLOYD INSULATION, ALFA

Note:-

1. The above makes are subjected to the compliance of Make in India norms.