

DEENDAYAL PORT AUTHORITY**MARINE DEPARTMENT****TENDER DOCUMENTS FOR**

"Supply, Installation, Commissioning, Training and Integration of 360 Degree Horizontal Field of View (HFOV) Full Mission Bridge Simulator with 05 years Comprehensive Annual Maintenance Contract at Deendayal Port, Kandla"

Tender No.: DC-02/2026

Tender Invited by: -

Deputy Conservator,
A.O. Building, 1st Floor, Deendayal Port Authority,
Gandhidham – Kutch, Gujarat – India
Phone No.: +91-2836-233585, 220235
Mobile No.: + 91 98797 14341
Email-ID: dyconservator@deendayalport.gov.in,
supdtacmarine@deendayalport.gov.in

E-Tenders TENDER NO:- DC-02/2026

NAME OF WORK: "Supply, Installation, Commissioning, Training and Integration of 360 Degree Horizontal Field of View (HFOV) Full Mission Bridge Simulator with 05 years Comprehensive Annual Maintenance Contract at Deendayal Port, Kandla".

PERIOD OF DOWNLOADING OF BID DOCUMENTS

FROM	:	18/06/2026
TIME & DATE OF PRE-BID MEETING	:	@ 15.30 Hrs. on 30/06/2026
LAST DATE & TIME FOR RECEIPT OF BIDS	:	@ 12.00 Hrs. on 15/07/2026
TIME & DATE OF OPENING OF BIDS	:	@ 12.05 Hrs. on 15/07/2026
PLACE OF OPENING OF BIDS	:	CHAMBER OF DEPUTY CONSERVATOR, DEENDAYAL PORT AUTHORITY, A.O. BUILDING, 1ST FLOOR, GANDHIDHAM – KUTCH, (GUJARAT STATE) 370 201.

OFFICER INVITING BIDS: DY. CONSERVATOR, DEENDAYAL PORT AUTHORITY.

CONTENTS OF TENDER DOCUMENT**BID REFERENCE NO.: Tender no.- DC-02/2026**

Sr. No.	Section	Description
1.	NIT	Notice Inviting Online Tender
2.	Section I	Instruction to Bidder
3.	Section II	Scope, Specifications, general & payment terms
4.	Section III	Forms of Bid
5.	Section IV	Bill of quantity

DEENDAYAL PORT AUTHORITY

TENDER NO. DC-02/2026

E-tenders are invited by **THE DEPUTY CONSERVATOR, DEENDAYAL PORT AUTHORITY (DPA)** as per the details given in the table below.

Name of Work	Cost of tender document (INR)	Estimated cost (INR)	EMD (INR)	Tender downloaded from	Date of pre- bid meeting	Last date & time of submission of Bid	Date and time of opening of Bid
"Supply, Installation, Commissioning, Training and Integration of 360 Degree Horizontal Field of view (HFOV) Full Mission ridge Simulator with 5years Comprehensive Annual Maintenance Contract at Deendayal Port, Kandla."	Rs.5,900/- Including 18% GST as admissible	Rs.3,62,00,000/- (Excluding GST)	Rs.7,24,000/-	18/06/2026 @12:00 hrs.	30/06/2026 @15:30hrs.	15/07/2026 @ 12:00 hrs.	15/07/2026 @12:05 hrs.

Detailed tender notice along with complete tender documents can be downloaded from website: <https://tender.nprocure.com> from 18/06/2026 to 15/07/2026 at 12.00 hrs. The tender Notice is also available on <https://www.deendayalport.gov.in> and <https://eprocure.gov.in>. Technical bid will be opened on 15/07/2026 at 12.05 hrs. The date of opening of price bid will notified after scrutiny and evaluation of Technical Bid.

For Further details, contact: 02836-220235/233585, Mobile No. +91 98797 14341 At office of the Deputy Conservator administrative building Gandhidham during any working hrs. before the last date and time of downloading the Tender Document

**Deputy Conservator
Deendayal Port Authority**

NOTICE INVITING ONLINE TENDER

Department	Marine Department
Circle/ Division	Marine Department, A.O. Building, 1st Floor, Gandhidham (Kutch) – 370 201.
Tender Notice No.	DC-02/2026
Name of Work	“Supply, Installation, Commissioning, Training and Integration of 360 Degree Horizontal Field of View (HFOV) Full Mission Bridge Simulator with 05 years Comprehensive Annual Maintenance Contract at Deendayal Port, Kandla.”
Estimated Contract Value (INR)	Rs.3,62,00,000 /- (Three Crores Sixty Two Lakhs)
Period of Contract	The work shall be completed within 06 (six) months from the date of work order. CAMC shall be for the period of 05 years after completion of 01 year warrantee period.
Bidding Type	Open
Bid Call (Nos.)	One
Tender Currency Type	Single
Tender Currency Settings	INR
Pre-Qualifying Criteria:	<p>1. <u>Financial Standing:</u> The average annual financial turnover of the Bidder over the past three years ending 31st March of previous financial year should not be less than Rs. 108.60 Lakhs, Certified by Chartered Accountant along with Unique Document Identification Number (UDIN). Additionally, all necessary documents for the verification of turnover must be provided. Failure to comply with these requirements bid will be treated as non-responsive).</p> <p>2. <u>Experience in terms of:</u> Experience of having successfully completed work during last seven years ending last day of month previous to the one in which applications are invited should be either of the following:</p> <p>(i) Three similar completed works each costing not less than Rs.144.80 Lakhs (excluding GST).</p> <p style="text-align: center;">OR</p> <p>(ii) Two similar completed works each costing not less than Rs.181.00 Lakhs (excluding GST).</p> <p style="text-align: center;">OR</p> <p>(iii) One similar completed work costing not less than Rs.289.60 Lakhs (excluding GST).</p>

	<p><u>Similar works means</u> Design, Supply, installation and commissioning of Full Mission Ship Handling Simulator (FMSHS) featuring a minimum horizontal field of view (FOV) of 360 degrees integrated with a mathematical model supporting at-least 6 degrees of freedom (6DOF) for vessel dynamics.</p> <p><u>Satisfactory Performance:</u> The Bidder should submit the documentary proof for satisfactory performance from the owners/clients to whom the simulator was supplied.</p> <p>If the bidder has executed the work in private organization, necessary TDS certificate issued by the private organization shall be submitted.</p>
Joint Venture:	Not Allowed
Integrity Pact:	<p>Integrity Pact agreement signed by the DPA authority along-with one witness should be submitted in Technical bid stage duly scanned, stamped, signed and dated by the Bidder along with one witness signature, name and address from their side as per format in Form-6 in the tender document.</p> <p>However, in case of any technical glitch due to which if any potential bidder is unable to upload the Integrity Pact Agreement, then he/she shall submit the hard copy duly filled signed, stamped IP Agreement to Deputy Conservator, AO Building, Gandhidham within a period of 07 (Seven) days and prior to opening of technical bid, failing which bid of potential bidder shall be treated as disqualified.</p> <ul style="list-style-type: none"> • In case of Partnership firm, IP agreement shall be signed by all the partners of partnership firm. Copy of partnership deed to also be submitted. • In case of limited company IP agreement to be signed by authorized signatory as per POA duly supported with Boards resolution • In case of Joint venture, all the partners of the venture should sign the Integrity Pact. In case of sub-contracting, the principal contractor shall be solely responsible for the adherence to the provisions of IP by the sub-contractor(s) to be executed and submitted in the name of the participated firm of JV to sign and stamp the agreement, in technical bid stage. (Not Applicable)

	Note: In case of JV firm, IP agreement is to be filled and submitted in the name of the JV firm and all the partner of JV need to sign and stamp IP agreement. Partnership deed/JV agreement also to be submitted in technical bid.
Downloading Websites:	https://tender.nprocure.com , http://www.deendayalport.gov.in http://www.eprocure.gov.in .
Bid Document Fee: Document Fee Payable To:	Rs.5,900/- (Including GST 18%) Document Fee shall be made through online payment mode in Bank A/c of Deendayal Port Authority at IDBI Bank Ltd., Gandhidham Branch, A/c no.: VDDPTNFDCMARIN26, UPI ID: VAS.VDDPTNFDCMARIN26@idbi IFSC Code: IBKL0000412
Bid Security/ EMD Bid Security / EMD (INR) In Favour of:	Rs. 7,24,000/- EMD in the form of Digital mode/ Insurance Surety Bond / Bank Guarantee issued in favor of "Board of Deendayal Port Authority" by any Nationalized/scheduled (except co-operative) bank having branch at Gandhidham as per format provided in the tender documents. For Digital Mode the bank details: Deendayal Port Authority at IDBI Bank Ltd., Gandhidham Branch, A/c no.: VDDPEMDDCMARIN26, UPI ID: VAS. VDDPEMDDCMARIN26@idbi, IFSC Code: IBKL0000412
Bid Document Downloading Start Date	18/06/2026
Bid Document Downloading End Date	15/07/2026 @ 12:00 Hrs.
Date& Place of Pre- Bid Meeting	30/06/2026 @ 15.30 Hrs. in the chamber of Dy. Conservator.
Last Date& Time for Receipt of Bids	15/07/2026 @ 12:00 Hrs.
Bid Validity Period	120 days from the date of opening of technical bid.
Condition for EMD & Tender fee.	Tender Fees: Rs. 5,900/- (incl. of GST) shall be made through online payment mode in Bank A/c of Deendayal Port Authority at IDBI Bank Ltd., Gandhidham Branch, A/c no.: VDDPTNFDCMARIN26, UPI ID: VAS.VDDPTNFDCMARIN26@idbi ,

	<p>IFSC Code: IBKL0000412</p> <p>EMD: Rs. 7,24,000/- EMD in the form of Digital mode/ Insurance Surety Bond / Bank Guarantee issued in favor of "Board of Deendayal Port Authority" by any Nationalized/scheduled (except co- operative) bank having branch at Gandhidham as per format provided in the tender documents.</p> <p>For Digital Mode the bank details: Deendayal Port Authority at IDBI Bank Ltd., Gandhidham Branch, a/c no.: VDDPEMDDCMARIN26, UPI ID: VAS. VDDPEMDDCMARIN26@idbi, IFSC Code: IBKL0000412</p>
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	<p>In case of Micro and Small Enterprise (MSEs) holding valid certificate issued by any agencies/organization under The Ministry of Micro, Small and Medium Enterprises indicating the list of activity related to the subject tender as per National Industrial Classification-2008 mentioned in the Sub class Nos. 26515 only shall become eligible for exemption from payment of tender fee/EMD shall become eligible for exemption from payment of tender fee/EMD. Such bidder shall also upload the scanned copy of valid & relevant certificate on (n) procure website along with 'Bid Securing Declaration Form' (Form-13) in technical bid failing which the bid shall be considered <u>non-responsive</u>.</p> <table border="1"> <thead> <tr> <th>SECTION F</th><th>MANUFACTURING</th></tr> </thead> <tbody> <tr> <td>GROUP 265</td><td>Manufacture of measuring, testing, navigating and control equipment; watches and clocks</td></tr> <tr> <td>Class 2651</td><td>-Manufacture of measuring, testing, navigating and control equipment</td></tr> <tr> <td>Sub- CLASS 26515</td><td>Manufacture of radar equipment, GPS devices, search, detection, navigation, aeronautical and nautical equipment</td></tr> </tbody> </table>	SECTION F	MANUFACTURING	GROUP 265	Manufacture of measuring, testing, navigating and control equipment; watches and clocks	Class 2651	-Manufacture of measuring, testing, navigating and control equipment	Sub- CLASS 26515	Manufacture of radar equipment, GPS devices, search, detection, navigation, aeronautical and nautical equipment
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Class 2651	-Manufacture of measuring, testing, navigating and control equipment								
Sub- CLASS 26515	Manufacture of radar equipment, GPS devices, search, detection, navigation, aeronautical and nautical equipment								
Bid Opening Date:	Technical Bid will be opened 15/07/2026 @ 12.05 hrs. Date of opening of price bid shall be notified after scrutiny and evaluation of Technical Bid.								

Documents required to be submitted by scanning through online:	Documents in support of fulfilling qualifying criteria as indicated above and as per tender conditions. EMD & tender fee shall be made through online payment mode and Integrity pact at technical stage.
Officer- Inviting Bids:	Deputy Conservator, Deendayal Port Authority, Marine Department, A.O. Building, 1st Floor, Gandhidham (Kutch)

Note:

In case bidders need any clarifications or if training is required to participate in online tenders, they can contact (n)Procure Support team at following address:

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(n)code Solutions – A division of GNFC Ltd., (n)Procure Cell, 403, GNFC Info tower, S.G. Road, Bodakdev, Ahmedabad – 380054 (Gujarat).

Contact Details:

Airtel: +91-79-40007501, 40007512, 40007516, 40007517, 40007525

BSNL: +91-79-2684511, 26854512, 26854513 (EXT: 501, 512, 516, 517, 525)

Reliance: +91-79-30181689

Fax: +91-79-26857321, 40007533

E-mail: nprocure@gnvfc.net

TOLL FREE NUMBER: 1-800-233-1010 (EXT: 501, 512, 516, 517, 525)

**Deputy Conservator
Deendayal Port Authority**

SECTION-I

INSTRUCTIONS TO TENDERERS

1. Scope of Bid:

E- tenders are invited for "" in accordance with the attached instructions to tenderers, form of tender, general conditions, technical specifications, special conditions etc. in the form of tender set from qualified and experienced firms in the field of supply, man and operate.

2. Source of Funds: The employer has arranged the funds from the internal resources and will have sufficient funds in Indian Currency for execution of the work.

3. The acceptance of a tender or part thereof will rest with the Chairman, Deendayal Port Authority, who does not bind himself to accept the lowest tender or part thereof and reserves the right to reject any or all the tenders received without assigning any reasons. Tenders which do not fulfill the prescribed qualification will be liable for rejection.

Tender papers containing conditions of contract, Technical specifications etc. can be downloaded from website <https://tender.nprocure.com>, www.deendayalport.gov.in & <https://eprocure.gov.in> on payment of Rs.5,900/- non-refundable as tender fee by online transfer/digital mode in favour of Deendayal Port Authority at IDBI Bank Ltd., Gandhidham Branch, a/c no.: VDDPTNFDCMARIN26, UPI ID: VAS.VDDPTNFDCMARIN26@idbi, IFSC Code: IBKL0000412

4. A Pre-bid meeting will be held in the Board room, A.O. Building, Deendayal Port Authority, Gandhidham on 30/06/2026 @ 15.30 hrs. to clarify the requirements and various doubts raised by the tenderers in writing. The outcome of Pre-bid meeting shall be communicated to all Tenderers through <https://tender.nprocure.com>. The date of submission of tender will be intimated while conveying the outcome of the pre-bid meeting through website.

The prospective bidders have to send their pre-bid queries related to tender on or before 24 hours of pre-bid meeting date & time by email/by in person/by post, after than the queries will not be entertained by the department.

5. Documents/Forms to be submitted the bidder shall scan and forward the following documents/Forms with their bid: Hard copy of all the

(i) Tender Fee Receipt: Tender Fee of Rs. 5,900/- (including GST 18%) to be remitted by scanning through online transfer /Digital mode in favour of Deendayal Port Authority at IDBI Bank Ltd., Gandhidham Branch, a/c no.: VDDPTNFDCMARIN26, UPI ID: VAS.VDDPTNFDCMARIN26@idbi, IFSC Code: IBKL0000412

(ii) EMD/Bid Security: Rs. 7,24,000/- EMD in the form of Digital mode/ Insurance Surety Bond / Bank Guarantee issued in favor of "Board of Deendayal Port Authority" by any Nationalized/scheduled (except co- operative) bank having branch at Gandhidham as per format provided in the tender documents.

For Digital Mode the bank details: Deendayal Port Authority at IDBI Bank Ltd., Gandhidham Branch, a/c no.: VDDPEMDDCMARIN26, UPI ID: VAS. VDDPEMDDCMARIN26@idbi, IFSC Code: IBKL0000412

In case of Micro and Small Enterprise (MSEs) holding valid certificate issued by any agencies/organization under The Ministry of Micro, Small and Medium Enterprises indicating the list of activity related to the subject tender as per National Industrial Classification -2008 mentioned in the Sub class No. 26515 only shall become eligible for exemption from payment of tender fee/EMD shall become eligible for exemption from payment of tender fee/EMD. Such bidder shall also upload the scanned copy of valid & relevant certificate on (n) procure website along with 'Bid Securing Declaration Form' (Form- 13) at the time of submission of bid failing which the bid shall be considered non- responsive.

The bidder who are submitting bids with exemption for Tender Fees and EMD under MSE's, if the bidder's Major activity is trading will not be liable for exemption as per Circular F.No. 1(3)/2048-M A, Part-III, dated 25.03.2022 under Q&A No. 18

However, for **the purpose of realization of Tender Fees & EMD**, bidder shall send the same in original to Deputy Conservator at the time of tender opening or send the same through RPAD so as to reach the Deputy Conservator, Deendayal Port Authority, A.O. Building, Gandhidham within 07 days from the last date of opening of bid along with other documents.

6. Bid Validity:

- 6.1 Bids shall remain valid for a period of 120 days from the date of opening of the Technical Bid. A bid valid for a shorter period shall be rejected by the employer as Non-responsive.
- 6.2 In exceptional circumstances, prior to expiry of the original time limit, the Employer may request the bidders to extend the period of validity for a specified additional period. The request and the bidders' responses shall be made in writing or by cable. A bidder may refuse the request without forfeiting his bid security.
- 6.3 A bidder agreeing to the request will not be permitted to modify his bid.
- 6.4 At any time prior to the last date of submission of tender, DPA may for any reason whatsoever, change or modify the tender documents by addendum(s) / Corrigendum(s). Tenderer may seek any clarification from DPA prior to submission of their bid. The addendum / corrigendum so issued will be published in our website at least 7 days prior to the last date for submission of the tender. The amendment to the document so carried out will form part of the tender and shall be binding upon the tenderers. DPA may at their discretion extend the last date for submission of tender to enable the tenderers reasonable time to submit their tender after taking into account such addendum / corrigendum.
- 6.5 Tenderers shall submit the Tender Documents downloaded from the websites, duly stamped and signed on each page as token of acceptance of the Deendayal Port Authority terms and conditions mentioned therein.
- 6.6 The tenderer shall quote realistic rates in respect of the services to be provided. The rates shall be firm and no other increase or decrease in prices will be allowed during the period of the contract.
- 6.7 The hard copies of tenders documents with Tender Fees, EMD & other documents should be sent by post should also reach within 7 days.

7. EMD/BID SECURITY:

- 7.1 Earnest money Deposit (EMD) should be 2 % of the estimated cost of work and maximum
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amount of earnest money should be Rs. 50.00 lacs.

The EMD up to Rs.5 Lakhs shall be payable via digital mode of payment in IDBI Bank Ltd., Gandhidham Branch, a/c no.: VDDPEMDDCMARIN26, UPI ID: VAS. VDDPEMDDCMARIN26@idbi, IFSC Code: IBKL0000412.

The proof for transfer of funds to be submitted in technical bid stage. EMD beyond Rs.5 lakhs be payable in form of Insurance Surety Bond/Bank Guarantee for the entire amount from any Nationalized/ Scheduled Bank (except Co-operative Banks) having its branch at Gandhidham. Bank Guarantee submitted as Earnest Money shall be valid for 45days beyond the validity of the bid/tender. Bank Guarantee shall be verified independently by the Port with the bank before finalization of technical offer. In the event of lack of confirmation of issue of the Bank Guarantee by the Bank, the bid shall stand disqualified.

- 7.2 EMD of unsuccessful bidders other than L1 and L2 is refunded immediately after ranking of price bids. Earnest money of L2 is refunded immediately after entering in to agreement with L1 and acceptance of performance Guarantee from L1.
- 7.3 EMD shall be refunded suo-motto without any application from the bidders.
- 7.4 The bid security of the successful bidder will be discharged after he has signed the Agreement and furnished the required Performance security.
- 7.5 The Bid security may be forfeited, if
- The bidder withdraws the bid after bid opening during the period of bid validity.
 - The bidder does not accept the correction of the Bid price, pursuant to Clause 27; or
 - The successful bidder fails within the specified time limit to
 - Sign the Agreement or
 - Furnish the required Performances security.
 - In case the contractor fails to commence the work within stipulated time.
- 7.6 The forfeiture of the bid security is entirely discretion of the employer. No claims in this regard shall be entertained.

Note: - "In case of Micro and Small Enterprises (MSEs) holding valid certificate under The Ministry of Micro, Small and Medium Enterprises indicating the list of activity related to the subject tender as per National Industrial Classification 2008 mentioned in the table below only shall become eligible for exemption from payment of Tender Fee/EMD. Such bidder shall upload the scanned copy of valid certificate in technical bid stage" Such bidder shall upload in technical proposal a scanned copy of valid certificate, as well as duly filled in and signed 26 'Bid Securing Declaration' as per format provided in the tender document (FORM-13), failing which the bid shall be disqualified: -

NIC codes regarding related activity are mentioned below:

SECTION F	MANUFACTURING
GROUP 265	Manufacture of measuring, testing, navigating and control equipment; watches and clocks
Class 2651	-Manufacture of measuring, testing, navigating and control equipment
Sub- CLASS 26515	Manufacture of radar equipment, GPS devices, search, detection, navigation, aeronautical and nautical equipment

8. **Late Bids:** After the deadline of submission of bid as prescribed, the bids cannot be submitted in the On-Line System.

9. **Documents comprising the Bid:** The bid submitted by the bidder shall comprise the following:

(a) **Technical Bid:**

Bid Security and Tender Fee EMD & Integrity Pact (in case of exemption claimed than MSME certificate with bid securing declaration also) Qualification information in accordance to clause of Eligibility Criteria shall be submitted.

(b) **Financial Bid:**

Bill of quantities duly filled and digitally signed by bidder.

10. **Pre-Qualification Criteria/Bidding Condition:**

a) **Financial Standing:**

The average annual financial turnover of the Bidder over the past three years ending 31st March of previous financial year should not be less than **Rs. 108.60** Lakhs, Certified by Chartered Accountant along with **UDIN**.

b) **Experience in terms of:**

Experience of having successfully completed or substantially completed similar works/on-going similar works more than one year period during last seven years ending last day of month previous to the one in which applications are invited should be either of the following:

- (i) Three similar completed works each costing not less than **Rs.144.80** Lakhs (excluding GST).
- OR**
- (ii) Two similar completed works each costing not less than **Rs.181.00** Lakhs (excluding GST).
- OR**
- (iii) One similar completed work costing not less than **Rs.289.60** Lakhs (excluding GST).

Similar works means Design, Supply, installation and commissioning of Full Mission Ship Handling Simulator (FMSHS) featuring a minimum horizontal field of view (FOV) of 360 degrees integrated with a mathematical model supporting at-least 6 degrees of freedom (6DOF) for vessel dynamics.

Satisfactory Performance: The Bidder should submit the documentary proof for satisfactory performance from the owners/clients to whom the simulator was supplied.

If the bidder has executed the work in private organization, necessary TDS certificate issued by the private organization shall be submitted.

c. **Satisfactory Performance:**

Experience in last Seven (7) years:

The Bidder should submit the documentary proof for satisfactory performance from the owners/clients.

Note:

1. A copy of the completion certificate in respect of the successfully completed similar work. The completion certificate should invariably mention the reference no. of work order, the date of completion and amount of work done. Such completion certificate should be issued on the letter head of the client and invariably reflect the following details:

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(i) Name of Contractor (ii) Name of Work (iii) No. of work order/agreement and date (iv) Contract value (v) Contract period (vi) Date of commencement of work (vii) Date of completion (viii) Value of Work executed during the contract period/original contract period (ix) Date of issue of completion certificate.

2. A copy of the work order should also be submitted for which the bidder is submitting completion certificate.
3. If the bidder has executed the work in private organization, necessary TDS certificate issued by the private organization shall be submitted.

11. Price Bid Evaluation:

The overall lowest bidder will be considered for award of contract.

12. Evaluation & Comparison of Tenders:

Only those tenderers as have been determined to be substantially responsive to the requirements of the Tender Documents will be evaluated. Other non-responsive tenders will be rejected. Employer's decision on this shall be final, conclusive and binding.

Following documents to be submitted in Technical bid stage (soft copies to be uploaded in (n) procure portal and hard copies to be submitted to the office of Deputy Conservator within 7 days from the date of opening of bid): -

- a. Tender Fee, EMD, Integrity Pact should be submitted at technical bid stage. In case bidder obtaining exemption benefit under MSME class, then the necessary valid registration copies of MSME alongwith Bid securing declaration as per Form-13 must be submitted in Technical bid stage, otherwise bid will be rejected.
 - b. Technical bid including specification and drawings/Brochures etc. details of offered simulator.
 - c. Whole tender document duly filled in all the Forms/schedules, etc. (except price **Schedule-B**, which is to be submitted blank) etc. signed on each page of tender as token of acceptance of Deendayal Port Authority's conditions. The price bid should be inclusive of all taxes and duties except GST. No Mobilization/de-mobilization charges will be paid. The tenderers should quote a Lump sum rate per day. The price Schedule- B to be filled in online in (n) procure portal. Bidders may note that price quoted shall not be declared anywhere in technical bid, failing to which their bid will be rejected.
 - d. Pre-bid clarifications signed on each page as token of acceptance – if applicable.
 - e. Annual accounts and Profit & Loss Accounts duly audited by Chartered Accountant of last three financial years along with UDIN.
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- f. Documentary evidence/proof for having successful completion of similar nature of work as per similar work experience.
- g. Tenderers shall give declaration on their not having been banned or de-listed by any government, semi-government agency or PSUs, otherwise their bid is liable to be rejected.
- h. If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted physically by the contractor **the bid shall become invalid and cost of bid document shall not be refunded.**
- i. IncomeTax PAN No. and GST No. are to be furnished/indicated.
- j. Tenderers are not expected to make any post tender correction/modification and they will not be allowed to withdraw the tender once submitted after last date of submission of bid.
- k. Integrity Pact need to be submitted in Technical bid stage duly scanned, stamped, signed and dated along with one witness signatures (to be arranged by the bidder) as per format available in FORM-6 in the tender document failing which bid submitted by the bidder will be considered non-responsive.
- l. Names of partners / directors indicating their holding in the firm /company.
- m. Power of Attorney or Letter of Authority from the person holding valid power of attorney issued by the company in favor of the person authorized to sign the tender document etc.
- n. Copies of original document defining the constitution or legal status, place of registration and principal place of business of the company
/ proprietorship firm / partnership firm or any other business structure.
- o. Detailed information regarding any current litigation in which the tenderer is currently involved.
- p. Any other documents require may be asked by department which required and the same have to be submitted by bidder.

13. **Language of Tender:**

The Tender, as well as all correspondence and documents relating to the Tender exchanged by the Tenderer and the Employer, shall be written in the English language only. Supporting documents and Printed literatures that are the part of the Tender may be in another language provided, they are accompanied by an accurate translation of the relevant passages into the English language only, in which case for purpose of interpretation of the Tender such translation shall govern.

14. **One Bid per Bidder:**

Each bidder shall submit only one bid. A bidder who submits more than one Bid will be disqualified and the EMD submitted with each of the bids shall be forfeited.

15. **Site Visit:**

The Bidder, at his own responsibility and risk is encouraged to visit and examine the routes and its surroundings and obtain all information that may be necessary for preparing the Bid and entering into a contract for the works. The costs of visiting the site shall be borne by the Bidder.

16. **Clarification on Bid Documents:**

A prospective bidder requiring any clarification of the bidding documents may notify the employer in writing or by electronic form and be confirmed by hard copy at the Employer's address indicated in the invitation to bid. The Employer will respond to any request for

clarification which he received earlier than 07 days prior to the deadline for submission of bids. Copies of the Employer's response will be forwarded to all purchasers of the bidding documents, including a description of the enquiry but without identifying its source. The clarifications shall be uploaded on Website of www.nprocure.com.

17. Employer's Right to reject any or all the Bids:

The employer reserves the right to accept or reject any bid and to cancel the bidding process and reject all bids without assigning any reasons, at any time prior to the award of contract, without thereby incurring any liability to the affected bidder or bidders on the grounds for Employer's action.

18. Issue of Letter of Acceptance:

The employer will award the work to the bidder whose bid has been evaluated to be technically responsive and the lowest evaluated bid subject to submission of agreement and performance security.

19. Notification of Award and Signing of Agreement:

- 19.1 The Bidder whose Bid has been accepted will be notified for the award by the Employer prior to expiration of the Bid validity period by facsimile/email, confirmed by registered letter. In this letter [hereinafter and in the Conditions of Contract called the "Letter of Acceptance" (LOA) and issued by Deputy Conservator] the contract amount, completion period of the work, etc. will be mentioned in line with the tender conditions.
- 19.2 The notification of award will constitute the formation of the Contract subject to the furnishing of a performance security in accordance with the provisions of tender condition.
- 19.3 The Agreement will be signed by successful Bidder within 14 days of issue of the notification of award [Letter of Acceptance]. The agreement will incorporate all correspondence between the Employer and the successful bidder.

20. Contract Agreement:

- 21.1.1 The agreement on stamp paper shall be furnished by the Contractor as per the following guidelines within 14 days from the date of issue of Letter of Acceptance.
 - 21.1.2 The successful bidder will be required to execute an agreement at his expense on Three Hundred Rupees [Rs.300/-] Non-Judicial Stamp Paper in the proper departmental format for the due and proper fulfilment of the contract within 14 days from the date of Letter of Acceptance.
 - 21.1.3 Pending preparation and execution of the contract agreement as above, the tender submitted by the Contractor together with Deputy Conservator's letter/fax/e-mail accepting the tender shall constitute a binding contract between the Board and the Contractor.
 - 21.1.4 The contract period shall be reckoned from the date of issue of work order to commence the work.
 - i. The original agreement as per the format attached with the tender should be executed on a stamp paper of appropriate value.
 - ii. The Agreement should be submitted in duplicate and the date of execution is to be kept blank.
 - iii. Each page of the document is to be signed by the Contractor/ his authorized representative by indicating his full name.
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- iv. If the Contractor is a partnership firm, then a copy of the Partnership Deed and in case it is a Company, a copy of Memorandum and Articles of Association along with Registration Certificate is to be submitted.
- v. If the agreement is signed by a Partner/s Director/an authorized person of the firm, in such case, a certified true copy of the power of attorney/letter of authority given by the firm/company to the signatory of the Contractor firm is to be submitted.
- vi. The entire agreement should be in type written form/computer printed form.
- vii. Leaving blanks and insertion of some contents of the agreement with hand writing should be avoided.
- viii. All corrections/additions made in the agreement are to be initialed.

21. Issue of Work Order:

Work order will be issued indicating the Contract value, completion period etc. after submission of Performance Security Deposit and Contract Agreement on Non-Judicial Stamp Paper by the successful bidder as per Tender Conditions.

22. Time Schedule:

The Contract will be for a period of 6 months for supply from the date of issue of work order and Five years CAMC after completion of 01 years warrantee period.

23. Hindrance Register:

Hindrance Register should be maintained at site which shall be signed by both the parties i.e. representative of DPA and the Contractor", based on actual facts/evidences.

24. Fraud and Corruption:

The Employer/Port, Tenderers, Contractors, sub-Contractor and consultants, observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, the Employer/ Port:

(a) defines, for the purposes of this provision, the terms set forth below as follows:

- ⌚ "corrupt practice" means the offering, giving, receiving, or soliciting directly or indirectly, of anything of value to influence the action of a public official in the procurement process or in execution;
 - ⌚ "Fraudulent practice" means a misrepresentation or omission of facts in order to influence a procurement process or the execution of a contract.
 - ⌚ "Collusive practice" a scheme or arrangement between two or more Tenderers designed to establish tender prices at artificial, non-competitive level; and
 - (iv) "coercive practice" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the procurement process or affect the execution of a contract;
 - (b) will reject a proposal for award, if it determines that, the Tenderer recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive or coercive practices in competing for the Contract in question;
 - (c) will terminate contract if it determines at any time that representatives of the Employer/Port engaged in corrupt, fraudulent, collusive or coercive practices during the procurement or the execution of that contract;
 - (d) will sanction a firm or individual, including declaring them ineligible, either indefinitely or for a stated period of time, to be awarded a contract if it at any time determines that they have, directly or through an agent, engaged in corrupt, fraudulent, collusive or coercive practice in competing for, or in executing a contract and;
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- (e) will have the right to require that a provision be included in Tendering Documents and in contracts, requiring Tenderers, Contractors and consultants to permit the Employer to inspect their accounts and records and their documents relating to the Tender submission and contract performance.

25. Bid Prices:

- 25.1 The rates and prices quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.
- 25.2 The prices shall be quoted inclusive of all Taxes [excluding GST], Duties, salary and wages of staff, repair and maintenance cost, insurance and other incidentals etc. and should remain firm till completion of work. Fuel will be supplied by DPA free of cost.

26. Currencies of Bid and Payment:

The unit rates and the prices shall be quoted by the bidder Indian Rupees only.

27. Performance Security

- 27.1 Security deposit shall consist of two parts; a) Performance Guarantee to be submitted after issue of LOA, and b) Retention money to be recovered from Running Bills.
- 27.2 Security deposit shall be 10% of the contract price, of which 5% of simulator price (excluding CAMC) should be submitted through Online Digital Transfer or FDR or in form of Bank Guarantee issued from Nationalized/ Scheduled bank (except co-operative banks), or having its branch at Gandhidham or Insurance surety bond (as per Form 19), within 21 days on receipt of Letter of Award and balance 5% to be recovered as Retention Money from Running Bills. Recovery of 5% Retention Money to commence from the First RA Bill onwards @ 5% of the Bill Value from each Bill. Retention Money will be refunded within 14 days from the date of payment of final bill simulator. Balance SD will be refunded immediately not later than 14 days from completion of one-year warrantee period.
- The Security Deposit on CAMC shall be 5% of annual value CAMC should be valid upto 60 days from the completion of annual period and the same may be renew for the upcoming year of CAMC. The last SD on CAMC will be released after one month on completion of CAMC of 05 years. Balance 5% of retention money will be recover from each year R.A. Bill and refunded after making final payment not later than 14 days from the completion of five years CAMC.
- 27.3 Successful Bidder has to submit the Performance security @ 5% of equipment i.e. quoted price of simulator within 21 days of receipt of Letter of Acceptance (LOA), failing which the work will not be awarded and the Bid Security i.e., EMD will be forfeited. Further, the contractor has to renew that BG every year suo-moto before expiry of its validity till completion of entire work.
- 27.4 The Port Authority will also be at liberty to deduct from performance guarantee or from any sums of money due or that may become due under any contract with the contractor that may become due to the employer. This is without prejudice to the rights of the employer under the terms of the contract. The Bank Guarantee is required to be dispatched by the issuing bank directly to The Employer by Registered AD Post.
- 27.5 Failure of the Successful Bidder to comply with the requirements as mentioned above shall constitute sufficient grounds for cancellation of the award of work and forfeiture of bid

security i.e. EMD.

- 27.6 The bank guarantee towards performance guarantee cum security deposit will be accepted in the form of bank guarantee from any nationalized bank / scheduled bank (except Co-operative Bank) having branch at Gandhidham.
- 27.7 The Port Authority may at their option forfeit the Performance Guarantee cum Security Deposit if the contractor fails to carry out the work or perform or observe the conditions of contract.
- 27.8 In case of submission of fraudulent documents with regard to Bank Guarantee against Performance Security by the Bidder shall be treated as major violation of the Tender procedure and in such cases, Black listing the contractor for the next two years.
- 27.9 The performance guarantee submitted in form Bank Guarantee/FDR/Insurance Surety Bond should be valid 60 days beyond the date of completion of all contractual obligations of the contractor, including Defect Liability Period

28. Payment Terms:

- 28.1 The payment will be made as per clause no. 8.1 of Section - II
- 28.2 The TDS under GST Act is required to be deducted @ 2% (1% CGST and 1% SGST or 2% IGST) from payment / credit given to contractors /professionals and others for work order/contracts exceeding Rs. 2,50,000.00

30 Taxes:

Tax: The prices shall be quoted inclusive of all Taxes [excluding GST], duties, salary and wages of staff, repair and maintenance cost, insurance and other incidentals etc. and should remain firm till completion of work. The employer will perform such duties in regard to the deduction of such taxes at sources as per applicable law.

- 30.1 GST: Applicable GST on the taxable value of supply of Goods or Service or both covered in this tender/contract. Payment is to be released including GST based on the GST tax invoice. Bidder has to file timely return so as to avail input tax credit by DPA, failing which DPA can recover this amount from contractor's bills/other payment due.
- 30.2 Income Tax: Income Tax deductions and surcharge as applicable thereon shall be made good while making payments due to the contractor for carrying out the work and only net amount shall be paid as directed by the Central Board of Direct Taxes, Ministry of Finance, Government of India.
- 30.3 New Taxes: Any new taxes, duties other than the existing taxes and duties imposed by the Government, after last date of Technical Bid submission will be reimbursed by the Port on production of documentary evidence and actual payments.
- 30.4 Similarly, any benefit arising due to downward revision of Tax or any exemption availed by bidder shall be passed on to DPA based on the documentary evidence.

31 Deduction:

Deduction of taxes/income tax at source shall be made from the any bill of the Contractor in accordance with the prevailing rules of Govt.

Any dues arising out of failure on the part of the Contractor to carry out any obligation under the contract shall be deducted from the bills of the Contractor or from any money due to the Contractor from this contract or any other contract.

32 Damage to Port Properties:

Contractor shall be responsible for making good to the satisfaction of the Officer-In-Charge for any loss or any damage to all structures and properties by the contractor or by his workers, within Port limit. If such loss or damage is due to fault and/or the negligence or wilful acts or omission of the contractor, his employee agents, representatives or sub-contractors, he shall make good the loss as assessed by the Engineer-In-Charge. In case the Contractor fails to repair/replace the damage, Deendayal Port Authority shall have the right to take steps to make good the damages and all the cost on this account shall be recovered from the bills of the Contractor or any money due to the Contractor from this contract or any other contract or any other transaction. In determination of the damage, the opinion of the Nodal officer shall be conclusive.

33 Escalation, if any:

No Escalation of rate during the period of contract will be entertained.

34 Cost of Binding:

The Bidder shall bear all costs associated with the preparation and submission of the Bid and Deendayal Port Authority will, in no case, be responsible or liable for those costs regardless of the conduct or outcome of the bidding process.

35 Submission of Online Tenders:

Bidders who wish to participate will have to procure/should have legally valid Digital Certificate, as per Information Technology Act- 2000, using which they can sign their electronic bids. The bidders can procure the Digital Certificate from (n) code solutions a division of GNFC Ltd, who are licensed certifying authority by Government of India. All bids should be digitally signed.

For details regarding Digital signature certificate and related matters, the below mentioned address should be contacted: (n) code Solutions, A Division of GNFC, 301 GNFC Info tower, Bodakdev, Ahmedabad. Tel. 91- 79-26857316/17/18 Fax: 91-79-26857321

E-mail: nprocure@gnvfc.net Mobile: 9327084190 / 9898589652. Only the online bidding shall be considered for participation.

The accompaniments to the tender documents as described under Clause 10 shall be Scanned and submitted On-Line along with Tender documents. However, the originals/ attested hard copies along with tender documents (except Price Bid) signed on bottom left corner of each page in token of acceptance of tender conditions and shall have to be forwarded subsequently so as to reach the office of Dy. Conservator within 7 days of opening of the tenders.

**Deputy Conservator
DeendayalPort Authority**

SECTION - II

Scope, Specifications, general & payment terms

1. Scope of Requirement

(a) The **360° HFOV Full Mission Bridge Simulator** is intended to provide advanced training for Marine Pilots in vessel handling, navigational studies, and emergency response. The simulator replicates the bridge environment of a ship, enabling realistic training in:

- Manoeuvring in open/restricted waters, pilotage, and blind pilotage conditions.
- Ship behaviour under various environmental factors such as sea state, currents, wind, tides, shallow water, and narrow channels.
- Passage planning, emergency manoeuvres, casting off, berthing/unberthing, anchoring, and weighing anchor in crowded harbours and open seas.
- Multiple vessel handling operations and complex ship interactions.

Key Objectives:

- Enhance trainee understanding of safe and efficient bridge procedures during watch keeping operations
- Reinforce compliance with **International Regulations for Preventing Collisions at Sea (COLREGs)**
- Prepare trainees for safe, efficient, and accident-free ship operations

(b) Applicable Standards

The simulator shall be designed, supplied, and configured to enable training, assessment, and certification in full compliance with:

- National and international maritime standards and regulatory frameworks
- **International Convention on Standards of Training, Certification, and Watch keeping for Seafarers (STCW)**, including all applicable amendments
- **STCW Regulation I/12**, relating to the use of simulators for training and assessment

The system must simulate a realistic operational environment to meet the required STCW competence standards.

2. Broad Scope of Work:

1) Objectives of the Procurement

- i) The primary objectives are to enhance the training infrastructure of DPA, to meet national and international standards, offer high-fidelity, hands-on, and immersive simulation training in vessel handling to enhance safety and operational efficiency on the National Waterways. Offering a seamless 360-degree panoramic view, that empower port authorities, marine pilots and vessel

traffic services to build the competence and confidence needed for complex port operations.

ii) "The objective of the Full Mission Ship Maneuvering Simulator at DPA is to train Master, Pilots, Navigating Officers and other Navigational Watch-keepers in Ship handling and conduct of navigational operations, including the handling of navigational emergencies. This may be achieved by controlled training in a simulated environment, leading to a better understanding of navigational operations and by developing the associated skills.

iii) Ship types as well as the equipment should be simulated as that of a real ship. The simulation models shall be based on real-time programming and thereby be able to replicate the operational behavior of bridge installations as well as the interactions between the subsystems for all ship types in all specified areas for chosen exercises.

- 2) **Supply and Delivery of Hardware and Software:** The Contractor shall be responsible for the end-to-end supply and delivery of all components required for a fully functional, integrated simulation suite. This includes the provision of industrial-grade computing units with high-performance graphical processing capabilities, alongside genuine, marine-grade navigational and communication instruments (such as GPS, AIS, and VHF). The scope encompasses all necessary software licenses for the 3D simulation engine and DPA's marine pilots to train for complex, rare, and high-risk scenarios in a completely safe and controlled environment, systematically strengthening their situational awareness, navigational confidence, and critical decision-making skills — ultimately contributing to enhanced port safety and operational excellence.
 - 3) **Physical Installation and Setup:** The Contractor shall undertake the complete physical installation of the simulator facility, ensuring an ergonomic and functional layout that replicates a professional maritime environment. This includes the assembly and mounting of bridge consoles and the configuration of a multi-display visual array providing a continuous horizontal field of view of not less than 360°. The installation must also encompass the setup of a dedicated Instructor Control Centre (ICC), equipped with the necessary monitoring hardware and communication overrides to allow for centralized supervision. All cabling, networking, and power distribution required to interconnect the bridge stations with the central server and instructor hub must be professionally routed and labelled by the contractor.
 - 4) **Commissioning and Performance Testing:** Following installation, the Contractor shall conduct a rigorous commissioning process to ensure the system's operational integrity and technical accuracy. This includes the precise calibration of all simulated and physical sensors—specifically GNSS, AIS, and ladder inclinometers—to ensure that physical movements are reflected in the virtual environment with zero perceptible latency.
 - 5) **Instructor Training:** The Contractor shall deliver a comprehensive 'Train the Trainer' program designed to empower institutional staff with the pedagogical and technical skills required to operate the simulators effectively for five (05) working days. This program shall cover the full lifecycle of a training session, including scenario creation through the Chart & Layout Editor, real-time exercise monitoring and the use of automated reporting tools for objective performance evaluation.
 - 6) **Long-term Hardware Support & Spares:**
 Comprehensive On-site AMC: The Contractor shall provide a comprehensive AMC services for a period of five (5) years from the date of completion of 01-year Warranty Period. This includes the immediate replacement of any faulty simulation hardware (including but not limited to computing units, visual displays, and physical bridge controls) at no additional cost to the Purchaser within the warranty period. Furthermore, the Contractor shall deliver an initial 'Critical Spares Inventory' to be housed on-site, ensuring zero-downtime for mission-critical training components such as joysticks and communication interfaces.
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3. Technical Specifications Suggestions

- Navigational Bridge Simulator

Requirement is for a state-of-the-art, IRS Class-certified (or equivalent certification) navigational bridge simulator designed for authentic maritime training and risk assessment. The Simulator shall have the capability to combine a high-fidelity simulation engine to provide high-resolution, immersive scenarios with up to a 360° field of view with actual shipboard hardware, including GPS, AIS, and VHF instruments, to create a realistic "hands-on" environment. Some of the key technical features shall include precise aerodynamic and hydrodynamic vessel modelling, advanced environmental simulations (currents, tides, and waves), and a dedicated Operator's Control Centre (OCC) for instructor supervision. The system shall be highly flexible, supporting both remote cloud-based and in-house training. It shall also include a customizable layout editor to replicate specific real-world ports or project environments.

- **General System Standards & Compliance**

Certification: The Full Mission Ship Maneuvering Simulator has to be certified by IRS-certified (or equivalent certification) and fully compliant with STCW (Standards of Training, Certification, and Watch keeping) requirements for Bridge Resource Management (BRM) and competency drills.

Architecture: The solution shall utilize a scalable, high-fidelity 3D real-time simulation engine (e.g., industry-standard simulation engine) capable of rendering complex maritime environments.

Training Versatility: The system must support both in-house offline training and remote cloud-based training to allow for flexible scheduling and reduced travel requirements.

- **Visual & Physical Realism**

Visual System: The simulator must provide an immersive high-resolution visual field with a full view of 360° horizontal field of view.

Vessel Modelling: The software shall incorporate precise aerodynamic and hydrodynamic mathematical models to ensure realistic ship handling, including six degrees of freedom.

Environmental Simulation: The system must accurately simulate:

- Dynamic effects of currents, tides, waves, and shallow-water conditions.
- Bank effects and interaction in narrow channels.
- Adjustable day/night modes and extreme weather conditions.

- **Integrated Hardware & Instruments**

The simulator must feature a hybrid interface that integrates actual marine-grade hardware with the virtual environment.

Navigational Instruments: Must include functional, physical versions of a GPS, AIS (Class B), Echo sounder, Compass, and VHF radio.

Dual Bridge Controls: The console must be equipped with interchangeable, independent control setups featuring a steering wheel, steering lever, engine telegraph, and thruster/joystick controls.

Sensor Interfacing: A dedicated software bridge must be provided to integrate external equipment such as Anemometers and Inclometers.

4. Training and Support:

- a) The supplier shall impart training to respected department persons at DPA on operation of the Simulators. The training shall be imparted in a phased manner without disrupting the working of the Port DPA. The training will be conducted as and when software/hardware upgraded or any other parameters altered by the Manufacturer/Supplier. Periodical refresher training may need to be imparted.
- b) The supplier shall make his own arrangements for supplying training material, equipment required for training etc.
- c) DPA will provide necessary space, infrastructure free of cost for conducting the training.
- d) The training provided by the supplier shall cover:
 - i) Operation of the equipment along with course/reference material for each individual.
 - ii) Operational level training along with course/reference material for each individual.
- e) On completion of training, the supplier shall submit an evaluation report on the participants along with course details.
- f) Completion of 5 working days training is a pre-requisite for acceptance of the equipment.
- g) All charges pertaining to the training shall be part of the price bid.
- h) Support the operators through help desk (online plus telephonic support) and visits to the sites (at his own cost) as and when required.

5. Supply of Manuals & Drawings

- Two Sets of operation and maintenance instruction manuals for Simulator shall be supplied and submitted.
 - Complete technical and functional specifications, operation and maintenance manual for each hardware / cards on the equipment with part numbers and model de-codification documents, to be supplied in original, photocopy is not acceptable.
 - Complete engineering details of each system as required for the purpose (experiments and research) the equipment's are bought.
 - Complete system wiring details, input, output, wiring details as applicable to the scope of supply.
 - Operation and maintenance manuals for the scope of supply including computers, Data Acquisition Units, interface devices etc. (to be supplied in original, photocopy is not acceptable)
 - The party shall supply all the software with proper license (including Windows, PC Motherboard drivers (as applicable to the supplied electronic data acquisition units), and any other software as required. The supplied software should comply appropriate anti software policy norms.
 - In addition to the Manuals given by the Manufacturers, the successful Bidder shall prepare full documentation.
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6. An indication image or a rough sketch is as per below.



STCW Reference	Competence
Table A-II/1.2	Maintain a safe navigational watch.
Table A-II/1.3	Use of radar and ARPA to maintain safety of navigation.
Table A-II/1.4	Use of ECDIS to maintain the safety of navigation.
Table A-II/1.5	Respond to emergencies
Table A-II/1.6	Respond to a distress signal at sea.
Table A-II/1.9	Manoeuvre the ship.
Table A-II/2.6	Maintain safe navigation through the use of information from navigation equipment and systems to assist command decision-making.
Table A-II/2.7	Maintain the safety of navigation through the use of ECDIS and associated navigation systems to assist command decision making.
Table A-II/2.10	Manoeuvre and handle a ship in all conditions.
Table A-II/3.2	Maintain a safe navigational watch.
Table A-II/3.3	Respond to emergencies.
Table A-II/3.4	Respond to a distress signal at sea.
Table A-II/4.1	Steer the ship and also comply with helm orders in the English language.
Table A-II/4.2	Keep a proper look-out by sight and hearing.
Table A-II/5.2	Contribute to berthing, anchoring and other mooring operations.
Table A-V/4-1.3	Apply safe working practices, respond to emergencies.
Table A-V/4-2.3	Maintain safety of the ship's crew and passengers and the operational condition of lifesaving, fire-fighting and other safety systems.

7. Certification and Standards

(a) DPA shall appoint an approved and certified member of the International Association of Classification Societies (IACS) who shall fully comply with the Standard for Certification of Maritime Simulators No. DNV-ST-0033, June 2021.

(b) The simulator shall be suitable for all training applications as defined under applicable international standards, ensuring compliance with global maritime training norms.

8. Functional Requirements

The **360° HFOV Full Mission Bridge Simulator** shall be utilized for training Pilots and officers of **Deendayal Port, Kandla**, in the following operations:

1. Handling ships alongside a berth/pier considering wind and tide effects.
2. Entering and leaving major harbours, including Port Kandla, Gujarat.
3. Conducting pilotage in restricted waters.
4. Transiting through straits and traffic separation schemes.

5. Handling ships in canals, rivers, and narrow channels, including interaction effects.
6. Blind pilotage and collision avoidance.
7. Company and fleet manoeuvres.
8. Anchoring using visual and blind plans, including wind and tide effects.
9. Navigation circuit training with environmental considerations.
10. Towing operations, including approaches and establishing contact with towed vessels.
11. Breakdown and emergency drills.
12. Handling ships in rough weather and restricted visibility.
13. Coastal navigation up to 50 NM from the Indian coast.
14. Handling ships with the assistance of tugs.

9. Visibility Conditions

The simulator shall allow training under **all visibility and lighting conditions**, including:

- Day, night, dawn, dusk
- Rain, hail, fog, or other restricted visibility conditions

It must provide **smooth, scalable transitions between day and night** and allow **incremental adjustments of visibility** to simulate realistic environmental conditions.

10. Own Ship Models

The simulator shall include **realistic vessel models** with accurate hydrodynamic and manoeuvring characteristics, capable of simulating:

- Merchant Ships (General Cargo Vessels)
- Container Vessels (various sizes)
- Oil Tankers
- Chemical Tankers
- LNG Carriers
- LPG Carriers
- Passenger Vessels / Ferries
- Pilot Boats and Small Service Craft
- Wide range of traffic vessels operating in various environmental and traffic conditions.

Key Features:

- Realistic interaction effects, bank effects, shallow water effects, wind, current, and ship-to-ship interactions
 - Simulator shall include **50 Own Ship models**, developed specifically for Deendayal Port, Kandla
 - At least **25 vessel models** must exactly match the port's specifications; variations in parameters will **not be accepted**.
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<u>Own Ship Models</u>	<u>Engine, Design Power (Kw)</u>	<u>Propeller</u>	<u>Thrusters, bow/stern (Kw)</u>	<u>Speed (knt)</u>	<u>Displacement (t)</u>	<u>Dimensions (L x B x T)</u>	<u>To offer</u>
Bulk Carrier	Diesel, 1 x 8827	1 FPP		14	33089	182.90 x 22.60 x 10.70	
Bulk Carrier	Diesel, 1 x 15500	1 FPP		14.6	274000	320 x 46 x 18.90	
Car Carrier	Diesel, 1 x 23743	1 CPP	1 x 1600/ 1 x 1600	19.2	68229	240 x 36.20 x 10.90	
Car Carrier	Diesel, 1 x 10598	1 FPP	1 x 800	19.7	25400	184.20 x 30.60 x 8.20	
Container Ship	Diesel, 1 x 60950	1 FPP	1 x 2210	22.8	132540	299 x 37.10 x 13	
Container Ship	Diesel, 1 x 71785	1 FPP	2 x 3500/ 2 x 3500	25.5	191000	393 x 56 x 13.70	
Container Ship	Diesel, 1 x 54847	1 FPP	1 x 2000	27.1	93130	203.60 x 25.40 x 10	
Container Ship	Diesel, 1 x 60950	1 FPP	1 x 2210	22.8	132540	347 x 42.80 x 14	
LNG Vessel	Steam Turb., 1 x 26800	1 FPP	1 x 2000	19.4	108959	297.50 x 45.80 x 10.80	
LNG Vessel	Diesel, 2 x 14560	2 FPP		19.5	142272	315 x 50 x 12	

LNG Vessel	Diesel, 2 x 17490	2 FPP		19. 5	171300	360 x 55 x 12	
LPG vessel	Diesel, 1 x 8827	1 FPP		14	33089	182.90 x 22.60 x 10.70	
Patrol boat	Diesel, 2 x 735	WaterJet		34	35.5	20.30 x 5.20 x 1.20	
High Speed Ferry	Diesel, 2 x 750	2 CPP	2 x 42	30. 1	75	27 x 8 x 0.95	
High Speed Ferry	Diesel, 2 x 1829	WaterJet		36	148	40.10 x 10.10 x 1.90	
Passenger Cruise Ship	Diesel Electric, 2 x 17600	2 AZIPOD	3 x 2360	24	44000	294 x 37.90 x 8	
Chemical Tanker	Diesel Electric, 10000	1 FPP	1 x 1100	16. 5	49556	176.70 x 31 x 11.95	
Chemical Tanker	Diesel Electric, 4 x 1620	1 AZIPOD	1 x 650	13. 7	24033	145.70 x 22 x 10	
Crude oil vessel	Diesel, 1 x 8100	1 FPP		15. 3	69177	229 x 32 x 12.20	
VLCC	Diesel, 1 x 29540	1 CPP	1 x 1500	17. 4	189406	280.50 x 50 x 16.62	
VLCC	Diesel, 1 x 15730	1 FPP		14. 4	122961	250 x 44 x 14.20	

Pilot boat	Diesel, 2 x 964	2 WaterJet		30	42	22 x 6.50 x 1.07	
Fast boat	Diesel, 2 x 325	2 WaterJet		45	6.4	12.80 x 2.60 x 0.90	
Fast boat	Diesel, 2 x 992	2 WaterJet		38	48	24.20 x 5.10 x 1.26	
Cement Carrier	Diesel, 1 x 6410	1 CPP	2 x 493/ 1 x 493	15. 5	14093	124.70 x 20 x 7	

11. Ship Model Characteristics

- The **mathematical modelling** of all own ship models must accurately replicate the behavioural characteristics of actual ships of similar size, power, type, and propulsion configuration.
- The simulation shall realistically represent **manoeuvring behaviour**, including turning, acceleration, deceleration, starting, stopping, and speed loss during manoeuvres.
- **Propeller simulation** must support:
 - Single and twin shaft configurations
 - Controllable Pitch Propellers (CPP) with continuously turning shafts and pitch-controlled thrust.
 - Fixed Pitch Propellers (FPP) with outward turning for twin screws and right-handed turning for single screws, unless otherwise specified
- Rudder simulation shall replicate the type fitted on each ship model and accurately reproduce **turning characteristics**, speed reduction during manoeuvres, propeller thrust, and shaft torque effects.
- The Bidder must be a manufacturer of marine ship engines, with proven experience in engine manufacturing, commissioning, retrofitting, and propulsion system integration. This ensures in-depth knowledge of:
 - Ship propulsion characteristics
 - Engine performance curves
 - Propeller interaction and thrust behavior
 - Vessel response under various loading and environmental conditions.
- The bidder must demonstrate prior experience in marine engine design, propulsion system integration, vessel performance analysis, and retrofitting of ship propulsion systems. This requirement is essential to ensure that the bidder possesses in-depth practical knowledge of ship propulsion characteristics, engine performance curves, propeller interaction, thrust

behaviour, manoeuvring characteristics, and vessel response under various loading and environmental conditions.

- **Objective:** Ensure that own ship models provide a **high-fidelity, realistic representation** for world-class training of Deendayal Port, Kandla Marine Pilots.
- The rudder simulation shall replicate the rudder type fitted on board the own ship being modelled, and the simulator shall accurately reproduce turning characteristics at various ship speeds, rudder angles, propeller thrust, and shaft torque. The simulation shall also realistically represent the reduction in speed during turning manoeuvres based on hydrodynamic effects and ship characteristics.

12. Traffic Simulation

- The simulator must support **up to 100 simultaneous ships/vessels**.
- Visual traffic must correspond with sensor data from **radar, AIS, and ECDIS**.
- Radar echo sizes must reflect vessel type, aspect, and prevailing weather conditions.
- Traffic vessels must respond to:
 - ROR situations
 - Wind and current
 - Ship-to-ship interaction
 - Collision events
 - Anchor forces
- The traffic vessels and tugs should be able to display correct lights, shapes and sound signals as per the requirements of International Regulations for Prevention of Collision at Sea (IRPCS) and should have selectable functions to show NUC/ RAM/ CBD/ towing/ diving lights. At the same time, the instructor shall have the possibility to turn off any of them or turn on additional lights. The same shall be done with the shapes. The navigational light visibility range should have an option to be adjusted as a visual channel parameter.
- In limited visibility conditions, sound signals on the target ships shall be turned on by Trainee. At the same time, the instructor shall have the possibility to turn them off, or give an additional sound signal with a gong, bell or siren. The simulator sound generator shall ensure the required direction of sound signals and their fading with the growing distance to the target ship.
- Visually, each ship shall have an aspect recognized at a distance of 06 nm in fair weather in the daytime or at night (by navigational lights). In difficult cases, binoculars shall be used.
- The traffic vessels should include Merchant Vessels, Naval Vessels, fishing vessels with nets down, trawler dragging nets, vessel undertaking towing, vessel undertaking diving operations, container carriers, RORO vessels, bulk carrier and VLCC.
- Ships underway shall provide relevant bow waves, side streams and stern waves with a wake overlaid on the rough sea surfaces. The traffic vessels' wake should also be displayed which should be relevant to the vessel's course and speed, and prevailing sea state and current direction.
- The instructor station should have the facility to inject the traffic as required including control of engines, rudder, navigation lights dredging, towing, fishing, trawling and diving operations. The added facility to feed in the route of a traffic vessel (by means of way points) should be available on the instructor station which would enable the instructor to monitor the progress of exercise without time and again altering the course and speed of the traffic vessel.

- The turning characteristics, acceleration and deceleration of the traffic vessel should be as per the general existing characteristics of the particular vessel type.

Compliance: All traffic vessels must display correct lights, shapes, and sound signals in accordance with **IRPCS**, with instructor-selectable options and adjustable visibility ranges.

13. Environmental Simulation

- (A) The simulator shall provide **realistic environmental conditions**, adjustable from the instructor station:
- i. **Wind:**- The 360 Degree Horizontal Field of View (HFOV) Full Mission Bridge Simulator should be capable of simulating wind between 0 to 30 knots from any direction, There should be visible reference of the prevailing wind conditions (exhaust smoke movement direction, fluttering of flag, wind direction indicator, whistling noise of the wind etc.) and realistic effect on the ships. The value of the wind strength and direction should be changeable while the exercise is in progress. A display of the relative wind and true wind should be available in the Bridge in front of the OOW on the overhead panel.
 - ii. **Waves:**- The waves should be generated realistically with respect to the wind direction and should have visual reference and effect on the all the ships. The instructor station should have the facility to alter wave height, wave length and direction of wave. This should be changeable while the exercise is in progress.
 - iii. **Current:**- The current strength and direction should have realistic effect on the ships. The instructor should be able to change values while exercise is in progress.
 - iv. **Visibility:**- The visual system should be able to provide realistic fog, rain and haze conditions, including changing of opacity from instructor station. The intensity of fog/ haze/ rain should be determined by visibility value set during start of simulation and the instructor should be able to change these conditions during the process of the exercise with an adjustable fading time. The visibility factor should determine when objects become visible due to haze, fog or rain. This effect should be available during both day and night.
 - v. **Depth/ Height of Tide:**- Water depths including tidal effects based on time should be available to all ships. Ships should run aground when under keel clearance becomes zero. Own ship maneuverability is to be affected by shallow water effect depending on under keel clearance. The height of tide should be varying according to the time before/ after high/ low water at a given port. The instructor should be able to alter/ feed values of high/ low water times and the height of tide along with variation according to time. The flow pattern of tide should be realistic at different locations as per a given harbour.
 - vi. **Tidal Stream:**- The tidal stream in an area (especially harbours) should confirm to the flow patterns as actually experienced. The tidal stream strength and direction should have realistic effect on the ships, and the instructor should be able to change values while exercise is in progress.

- vii. **Time:-** The simulation time should advance realistically. The light conditions and tide should change depending on the passage of time. There should be a smooth transition from day to night conditions. The position of heavenly bodies i.e. sun, moon and stars should change according to the time and they should all be visual at different positions which changes as per passage of exercise time. The facility to change time during the progress of the exercise should be available at the instructor station. The exercise time should be available to the OOW on a display in the Bridge.
- viii. **Rain:-** Showers of rain should not only affect visibility on screen but also radar detection. The instructor should be able to select position, extent and intensity of rain shower.
- ix. **Cloud Cover:-** The instructor should be able to select extent of cloud cover and inject thunder (visual and audio) for an adjustable time frame.
- x. **Storm:-** The instructor should be able to inject a storm from a given position, and should be able to adjust its path, speed and intensity. The effect of storm should also be visible on radar performance. The wind speed, direction of current and the visibility should be changeable by the instructor in case of storm.

(B) **Bridge Wing View Facility:-** The facility to show the bridge wing view of a given ship in the student display screen should be available.

(C.) **Models:-** -The 360 Degree HFOV Full Mission Bridge Simulator must be able to simulate a large number of harbors and sea areas in order to impart training.

(D) **Characteristics:-** The exercise area should have following feature :-

1. Geographical origin with reference to latitude and longitude.
2. Land Mass.
3. Conspicuous as per actuals.
4. Skyline as per actuals.
5. Buoys, light houses, leading light, sector light etc.
6. Background lights on coastline.
7. Sea and sky texturing.
8. Bathymetry data in terms of depth and soil type.
9. Time dependent tide curve and flow pattern.
10. Facility for inputting oil rigs/drilling should be available at instructor station.

(E) **Configuration:**

a) **Simulation Hardware:**

- 1) A 360-degree Horizontal Field of view on LED Displays (Large Screens 65")
- 2) Radar simulation in Bridge Simulator (for anti-Collision and Blind Pilotage with 24" Display).
- 3) A type approved ECDIS with 24" Display,
The Bidder shall be Manufacturer of Electronic Chart Display and Information Systems (ECDIS) compliant with the latest IHO S-100 data framework. The ECDIS used in the

simulator shall be the Bidders own product to ensure seamless integration, update support, and cyber-secure data handling.

Also, in future when S-100 requirement is officially released, the bidder must upgrade its ECDIS system integrated with the installed simulation system suite.

- 4) Conning Module must be included with 24" Display
- 5) General Bearing Console must be included with 24" Display
- 6) Overhead Panel must be included with 22" Display
- 7) GMDSS station must be included with 24" display
- 8) Steering console must be included with 10" Displays for required information
- 9) Maneuvering Console must be included with 4 Nos. 10" Displays for required simulation information
- 10) Chart Table Console must be included with 24" Display for Additional equipment information.
- 11) Pilot Pro Unit including the hardware (11' Apple iPad Air)

b) Simulation Software:-

The trainee station/ Bridge should comprise the following Simulated Software modules including: -

1. Full Mission Bridge Simulator Module
 2. Full Mission Bridge Instructor Station Module
 3. Conning Display Module
 4. Navi Sailor 4000 ECDIS Module
 5. Navi Radar 4000 Module
 6. Radar/Arpa Simulation Module
 7. Navi Planner 4000 Module
 8. Interactive Bridge Information Display Overhead Module
 9. Interactive Bridge Information Display- Virtual Controls Module
 10. Communication Equipment Module
 11. Binocular/Bearing Module
 12. Functionality Modules
 13. Tug And Mooring Functionality Module
 14. Search And Rescue (Sar) Module
 15. Oil Spill Functionality Module
 16. Ice Navigation Functionality Module
 17. Advance Ice Operations Module
 18. Pilot PRO unit, capable to integrated pilotage solution combining electronic navigational charts, AIS data, ship maneuvering prediction, docking support, and real-time navigation monitoring in a portable system. It must supports official ENC chart formats such as S-63, S-57, and TX-97 with regular updates and displays navigation data including position, heading, speed, rate of turn, and course over ground. The system includes docking and conning modes, own ship maneuvering predictor, fore and aft speed vectors, automatic distance and fender lines for berthing, AIS target tracking with meeting and rendezvous points, CPA/TCPA calculations, route planning and monitoring, alarms and warnings, and data logging with playback for training and incident analysis.
- It can connect to AIS pilot plug, independent GNSS sensors, ROT and heading sensors via Wi-Fi, and can integrate tidal, weather, and VTS data to provide complete situational awareness.

(F) Instructor Station/Debriefing Station.

Instructor functionality must include below:

1. Change position, course and speed of own ship and traffic ships, etc.
2. Able to control over all objects within the exercise
3. Introduce failures/faults to own ship instantly and/or as preprogrammed event (time, position and complex conditional statements dependent)
4. Weather conditions and failure of ships can be preprogrammed to occur after a certain time, allowing the instructor to create complex scenarios in advance and focus on the trainees while running the exercise.
5. Set sound and navigation signals for traffic ships, helicopters etc
6. Sounds and navigation signals for the traffic ships and helicopters can be preset by the instructor and changed further on.
7. Create pre-programmed routes for traffic ships, helicopters etc.
8. Any number of routes can be prepared and stored each exceeding 50-way points.
9. Do a 'fast forward' to quickly test an exercise
10. Specify environmental conditions (e.g. in fog it must be possible to set the visibility to a desired range).
11. Full control over environmental conditions for the global scene and for the defined local condition zone (with predefined visibilities and other factors).
12. Specify Hydrographic conditions and systems.
13. Supervise the exercise (start, pause, stop and reset)
14. Monitor own ships
15. Add new objects such as traffic ships, helicopters etc.
16. Control traffic ships, helicopters etc. (manual control, modify routes, add new routes)
17. Control sound and navigation signals for traffic ships
18. Control assisting tugs (push / pull / tow, escort towing in direct and indirect mode)
19. Control mooring lines
20. Control own ship failures
21. Control own ship alarms
22. Control ship's anchors (let go, heave and slack).
23. Control environmental settings (time of day, wind, current, depth, waves, rain, fog etc.)
24. Monitor and/or record communications and communicate with all own ships and VTS. Such recordings may be synchronised with the exercise process during debriefing
25. Control and/or record VHF background communication. Such recordings may be synchronized with the exercise process during debriefing.
26. Monitor and/or record live CCTV stream from the bridge (zoom and pan the cameras). Such recordings may be synchronized with the exercise process during debriefing Log exercise data, audio and video.

The Instructor Station should display the following:

1. Position and track of own ships with identification
2. Position and track of traffic ships and other dynamic objects with identification
3. Route of traffic ships
4. Instructor generated information / cues (lines, symbols etc.)
5. Own ship specifications

6. Traffic ships specifications and routing
7. Environmental conditions
8. Own ship status
9. Failure status
10. Navigation equipment status
11. Tugs and mooring lines specifications
12. Anchors status
13. AIS information
14. Appropriate hydrographic information

After performing a simulation, the instructor should be able to rewind the exercise to any previous time step thereby recreating the scenario at that specific time (own ship, traffic ship, environmental settings etc. will change according to the logged data).

After the completion of exercise all its data is available for review, playback or replay from any point. The data is stored in the dedicated log file.

A dedicated Debriefing Station shall be provided as part of the Full Mission Bridge Simulator system for conducting post-exercise analysis, replay, evaluation, and training review sessions. The Debriefing Station shall enable instructors and trainees to review the simulation exercise in detail and analyze ship handling decisions, traffic situations, communication, and environmental conditions.

(G) Compliance:

- a) All standards pertaining to the convention should be followed without any deviation, Full Mission Bridge Simulator should meet all the requirements of the STCW convention.
- b) The Simulator software should comply with DNV Class 'A' standards.
 - **Ambient Condition**:- The system should be capable of withstanding the harsh marine environment in extreme tropical conditions and operate without any degradation in system performance under the following ambient conditions:-
 - (i) Operating Temperature - 0 to +55⁰ C (internal sub-units)
 - (ii) Storage Temperature - 0 to + 50⁰ C (external sub-units)
 - (iii) Relative Humidity - 95% (non-condensing) at 40C

(H) Maintenance:

- **CAMC**:-The system would be maintained through Comprehensive Annual Maintenance Contract (CAMC) by means of Smart Support for period of 5 years.
- **Product Support**:-The firm should provide warranty for 360 Degree HFOV Full Mission Bridge Simulator for a period of 12 months from the date of completion of installation and Power on. Vendor should provide CAMC for a period of Five (05) years. The system should be supported by the manufacturer/supplier for a period of 5 years and can be extended **for one year on same rates & terms and condition on mutual consent**. Likely obsolescence of any component/ module should be catered for by the firm undertaking CAMC, through stocking of adequate spares. The firm should also recommend/ offer suitable substitutes for such components. In addition,

up-gradation/ modifications to the system resulting in enhancement to system performance should be intimated and offered to the Deendayal Port, Kandla.

- **Documentation**:- Relevant Documentation must be supplied . The documentation is to comprise essentially the following sets are to be supplied free of cost:-

- 1.a **Part Identification List**. This list, besides including the relevant data to identify the component, should include the addresses of the vendors.
- 1.b Installation specification/ drawings.
- 1.c Site acceptance Trials Schedule.
- 1.d User Manuals
- 1.e Software Requirement Specifications.
- 1.f Project Schedules.

- **Software Development**:-Software development, documentation and testing are to be in accordance with ISO 9001:2015.

- **Installation**.

- (i) Technical services for installation and commissioning including acceptance trials of system are to be provided by the seller.
- (ii) Supply of installation material and its installation on basis of site survey at Deen Dayal Port, Kandla installation site and critical installation tools are to be included in the scope of supply of the system.

- **Hardware**

• **Proposed Configuration**:- The hardware is required to be the best available, and suitable at the time of placing order and exact specifications would be frozen at that stage. The hardware should include:-

- (i) Server Computer with minimum
- (ii) Xeon E / 2x8GB / 2x1TB RAID 1 / min 2x 1GbE RJ45 / Win Server 2022 Standard*
- (iii) Display system shall be at least 24" LED/LCD display.

• In addition, to the already stated hardware requirements, following has to be specifically implemented: -

#	Description	Q-TY
1	IT Infrastructure	
1.2	Network Rack 42U	2
1.3	Server	1

1.4	24" Screen	1
1.5	UPS 1KVA for Server	1
1.6	Communication Device (EPABX, Desktop Phones)	1
1.7	Instructor Station	
1.8	Main instructor control and monitoring module	1
1.9	Tug and Mooring Functionality Module	1
1.10	Evaluation and Assessment Functionality Module	1
1.11	SAR Operations Functionality Module	1
1.12	PC – Instructor	1
1.13	Display 24" – Instructor	2
1.13	DP-HDMI Converter	1
1.14	Desktop Speaker 2.0 USB Powered	1
1.15	Selective Visualization	
1.16	Sel Vis PC	1
1.17	24" Display	1
1.18	Repeater Display at Instructor Station	
1.19	24" Display	12
1.20	HDMI Cable	12
1.21	DP-HDMI Converter	12
1.22	CCTV	
1.23	Milestone Software	1
1.24	PC-CCTV	1
1.25	24" Display	1
1.26	IP Camera with mic inbuilt	3
1.27	Debriefing	
1.28	65" LED Screen	1
1.29	HDMI Cable	1
1.30	Vesa Mount	1

1.31	Communication	
1.32	Instructor Workplace Software	1
1.33	PC- GMDSS Instructor	1
1.34	24" Display	1
1.35	USB Audio Unit	1
1.36	Handset	1
1.37	Desktop Speaker 2.0 USB Powered	1
1.38	Printer A4	1
1.39	Instructor Table	1
1.40	Instructor Chair	1
1.41	Navigational Bridge 360° HFOV	
1.42	Manoeuvring Console	1
1.43	Console (Conning Display) Module	1
1.44	PC – Conning	1
1.45	Display 24" – Conning	1
1.46	E38 Trackball kit (red ball)	1
1.47	Dual Handle Telegraph	1
1.48	Dual Handle Thruster	1
1.49	RCIB Kit	4
1.50	LF-70R RG +-100 soldering, with cables	1
1.51	LF-70L RG +-100 soldering, with cables	1
1.52	Mounting kit for Lilaas Controls	2
1.53	Joystick and Encoder kit	1
1.54	Button and Potentiometer kit	1
1.55	Interactive Bridge Information Display Module	4
1.56	Display 10" Touch Screen	4
1.57	NUC PC	2
1.58	General Console Radar	2
1.59	Radar/ARPA Simulation Module	2

1.60	PC –Radar	2
1.61	24" Display	2
1.62	ES8 Keyboard / Trackball	2
1.63	2.0 Speakers	2
1.64	General Console ECDIS	2
1.65	Navi-Sailor 4000 Module	2
1.66	PC –Navisailor	2
1.67	24" Display	2
1.68	ES8 Keyboard / Trackball	2
1.69	2.0 Speakers	2
1.70	General Console Bearing	1
1.71	Visualization Channel 6000 Module	1
1.72	PC -Bearing PC	1
1.73	24" Display	1

1.74	Joystick and Encoder kit	1
1.75	E38 Trackball kit (red ball)	1
1.76	OHP	1
1.77	Interactive Bridge Information Display Module	1
1.78	PC –OHP	1
1.79	22" Display	2
1.80	DP-HDMI Converter	1
1.81	Vesa Mount	2
1.82	HDMI Cable	2
1.83	GMDSS Station	1
1.84	Trainee Workplace Software	1
1.85	PC –GMDSS	1
1.86	24" Display	1
1.87	E38 Trackball kit (red ball)	1

1.88	USB Audio Unit	1
1.89	Handset	1
1.90	2.0 Speakers	1
1.91	Chart Table	1
1.92	Additional Instruments Console Module	1
1.93	PC -Add info	1
1.94	24" Display	1
1.95	Steering Console	1
1.96	Interactive Bridge Information Display Module	2
1.97	Display 10" Touch Screen	2
1.98	NUC PC	1
1.99	Joystick and Encoder kit	1
1.100	Steering Wheel	1
1.101	RCIB Kit	2
1.102	Visual System (with LED Screen)	
1.103	Visualization Channel 6000 Module	12
1.104	PC –Visualization	12
1.105	65" LED Screen for Visualization	12
1.106	HDMI Cable	12
1.107	Vesa Mount	12
1.108	Sound System	
1.109	5:1 Speaker System	1
1.110	Infrastructure	
1.111	Power & LAN Arrangements (Deendayal Port, Kandla Scope)	1
1.112	Video Wall Preparation	1
1.113	Installation & Consumable	1
1.114	Spares	
1.115	PC	3
1.116	Monitor	3

1.117	65" Monitor	1
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14. Commercial and Administrative Conditions

14.1 Payment Terms

The payment schedule for the 360° HFOV Full Mission Bridge Simulator shall be as follows:

- 14.1.1 If the supplier requests for advance, the request should be submitted in writing within 15 working days from the date of Work Order, the request will be considered up to a maximum of 30% of the quoted price of simulator (Excluding CAMC) against the submission of irrevocable Bank Guarantee. Such advance will be released after verification of the Bank Guarantee. The validity of Bank Guarantee should be 6 months + 60 days i.e. 8 months from the date of request sent by the supplier/ successful bidder. However, the advance payment will be released only after receipt of Security Deposit as mentioned.
- 14.1.2 The Supplier shall be paid 70% or remaining contract (in case the supplier opted for advance) and 100 % (in case the supplier not opted for advance) value against Supply, Installation, Commissioning, Acceptance Testing, Training of 5 working days and putting in to operation of Simulators at designated place specified by DPA against the invoice subject to compliance and conformity, in full, with tender terms and conditions. DPA will, after verification, Certification & approval from the member of the International Association of Classification Societies (IACS) make payment within Thirty days after the date of receipt of the claim, complete and correct in all respects together with necessary supporting document from the supplier.

14.2 Liquidated Damages on Simulator (Except CAMC)

- 14.2.1 In case of delay in completion of the contract, liquidated damages (L.D) may be levied at the rate of 1/2% of the quoted value of simulator (except CAMC) per week of delay or part thereof, subject to a maximum of 10% of the quoted value of simulator (except CAMC).
- 14.2.2 The owner, if satisfied, that the works can be completed by the contractor within a reasonable time after the specified time for completion, may allow further extension of time at its discretion with or without the levy of L.D. In the event of extension of time at its discretion with L.D, the owner will be entitled without prejudice to any other right or remedy available in that behalf per cent (1/2%) of the contract value of the works for each week or part of the week subject to the ceiling 10% of quoted value of simulator (except CAMC).

14.3 Comprehensive Onsite warranty & its Liquidated Damage

- 14.3.1 A comprehensive onsite warranty for the supplied equipment shall be provided by the supplier for a minimum of One year from the date of final acceptance of the equipment. The supplier will be notified of any defect or claim arising under this warranty and the warranty support shall be provided at site of DPA.
- 14.3.2 The contractor has to maintain the equipment during the warrantee as well as CAMC

period. If any defect found during such period DPA will inform the contractor and the contractor has to take remedial action and rectify the defect within 3 days from the notification by DPA. Otherwise, a penalty of Rs. 20,000/- (Rupees Twenty Thousand only) per day per instance will be imposed on contractor till functioning of equipment and acceptance. Contractor has to pay the penalty amount to DPA otherwise the same will be adjusted against the retention money.

14.3.3 If the supplier having been notified fails to remedy the defect within 3 days from the intimation by DPA, DPA may proceed to take such remedial action as may be necessary at the supplier's expense. The period that the equipment is out of commission / operation as a result of supplier's failure to remedy the defects notified shall result in imposition of penalty of Rs. 20,000/- (Rupees Twenty Thousand only) per day per instance which will be adjusted from the Retention money or Security Deposit or any other dues to the supplier.

14.3.4 The payment of CAMC will be released after completion of annual maintenance period and submission of invoice by the contractor. The engineer in-charge will certify the invoice and payment will be released.

15. Language of Proposal and Correspondence

All proposals, correspondence, and documentation exchanged between the bidder and **Deendayal Port, Kandla** must be in **English** only.

16. Delivery and Commissioning

The bidder shall complete **delivery, installation, testing, commissioning, and operational readiness** of the simulator within **180 days from the date of issue of the work order**.

17. Tender Validity

- Bids shall remain valid for **120 days from the last date of opening of Technical Bids**.
- During this validity period, the terms and conditions stated in the proposal shall remain unchanged.
- Any request for modifications during this period may result in disqualification or denial of contract award.

18. Force Majeure:

a) **Definition:** Neither party shall be held liable for complete or partial non-performance of its contractual obligations (except for payment obligations for delivered goods) due to **Force Majeure events**, which include but are not limited to:

- Flood, fire, earthquake, or other acts of God
 - War, military operations, or blockades
 - Acts or actions of state authorities
 - Any other circumstances beyond the reasonable control of the parties occurring after contract execution
-

- b) **Extension of Time:** Performance obligations affected by a Force Majeure event shall be extended for a duration equal to the event and its consequences.
- c) **Notification:** The affected party shall notify the other party in writing of the commencement and cessation of the Force Majeure event **as soon as possible, and in any case within 10 days** from the start of such event.
- d) **Proof of Event:** A certificate issued by the **Chamber of Commerce or any other competent authority** shall be considered sufficient evidence of the commencement and cessation of the Force Majeure event.

19. Eligibility Criteria

- The eligibility criteria other to clause 12 of Section-I
- Bids not meeting the **mandatory qualification criteria** will be rejected during the technical evaluation stage.
- Compliance with all requirements specified in the EOI, including technical specifications, experience, certifications, and financial criteria, is mandatory.

Sr. No.	Qualification Criteria	Supporting Documents
1	<p>The Bidder shall be the Original Equipment Manufacturer (OEM) of a real Electronic Chart Display and Information System (ECDIS) used onboard seagoing vessels. The ECDIS equipment manufactured by the Bidder must be type-approved and widely accepted and installed on operational ships in the maritime industry.</p> <p>This requirement is mandatory to ensure that the simulator provides highly realistic and industry-relevant ECDIS equipment and training environment for Marine Pilots of Deendayal Port, Kandla. The ECDIS provided in the simulator shall be based on the bidder's actual shipborne ECDIS system and not a generic or third-party replicated software.</p> <p>Bidders who are not OEM manufacturers of shipborne ECDIS equipment, or who provide third-party ECDIS software, or who fail to submit documentary proof of OEM ECDIS manufacturing and installations onboard ships, shall not be considered for technical evaluation</p>	<p>Documentary evidence such as type approval certificates, class approvals, installation references, and client certificates shall be submitted along with the bid to establish the bidder's credentials as an OEM ECDIS manufacturer.</p>
2.	<p>The Bidder should not have been blacklisted or debarred from bidding for any government or central government autonomous organization.</p>	<p>Self-declaration to this effect.</p>

SECTION-III**Tendering Forms****Part – I****To be submitted by Bidders with their Bids**

Format No	NAME OF FORMS/FORMAT
Form-1	SPECIMEN LETTER OF AUTHORITY FOR SUBMISSION OF BID
Form-2	FORMAT FOR TECHNICAL QUALIFICATION OF BIDDERS
Form-3	SPECIMEN EMD (Bank Guarantee Format)
Form-4	INFORMATION REGARDING LITIGATION
Form-5	EXCEPTIONS AND DEVIATIONS
Form-6	INTEGRITY PACT
Form-7	TENDERER'S UNDERTAKING
Form-8	SPECIMEN FORMAT FOR DECLARATION
Form-9	TENDER INFORMATION FORM
Form-10	PROFORMA OF JOINT VENTURE/CONSORTIUM AGREEMENT-Not Applicable
Form-11	PROFORMA OF POWER- OF-ATTORNEY FOR LEAD MEMBER OF JV/ CONSORTIUM - Not Applicable
Form-12	FORMAT FOR DETAILS OF CONSORTIUM MEMBERS
Form-13	FORMAT OF BID SECURITY DECLARATION FROM BIDDERS
Form-14	FORMAT OF INSURANCE SURETY BOND FOR EARNEST MONEY DEPOSIT

Part – II**To be used by successful Bidder**

Form-15	SPECIMEN CONTRACT AGREEMENT
Form-16	SPECIMEN BANK GUARANTEE PERFORMANCE GUARANTEE/ SECURITY DEPOSIT
Form-17	LETTER OF ACCEPTANCE (LOA) to be issued by DPA on letter head]
Form-18	WORK ORDER
Form-19	FORMAT FOR INSURANCE SURETY BOND FOR PERFORMANCE GUARANTEE

(Form-1)

SPECIMEN LETTER OF AUTHORITY FOR SUBMISSION OF BID***(To be executed on Rs.300/- non-judicial Stamp Paper)*****To*****The (PORT Address)******Dear Sir,***

We_____do hereby confirm that Shri

(Name, designation and Address) is/ are authorized to represent us to bid, negotiate and conclude the agreement on our behalf with you against tender no. DC-02/2026 and his specimen signature is appended here to.

We confirm that we shall be bound by all and whatsoever our said signatory shall commit.

We understand that the communication made with him by the Deendayal Port Authority/ Board shall be deemed to have been done with us in respect of this Tender.

[Specimensignature]***Yours faithfully,******Signature:******Name&******Designation: For &
on behalf of:***

(Form-2)**SPECIMEN FORMAT FOR TECHNICAL QUALIFICATION OF BIDDERS**

The information to be filled in by the Bidder in the following pages will be used for the purpose of Technical Qualification as provided for in the Instructions to Tenderers.

1. **Only for Individual Bidders**1.1. Constitution or legal status of Bidder (*Attach copy*)

- ☐ Place of registration:
- ☐ Principal place of business
- ☐ Power of attorney of signatory of Bid (Attach)

2. **Turnover of the Firm/ JV**

Description	Year	Turn over
(insert the year as per PQC) i.e. last three financial years ending 31st march of the previous year as certified by Chartered Accountant	2022-23	
	2023-24	
	2024-25	

Attachment: financial reports for the last three years: balance sheet, profit and loss statements, auditor's reports (in case of companies/corporation) etc. List them below and attach copies.

Attested Copy of Annual Turnover during last three year ending of the previous financial year.

3. **Similar Works**

Particulars	Year	No. of works	Value
Total value of completed similar work as defined in the tender document during last 7 years	2019-20		
	2020-21		
	2021-22		
	2022-23		
	2023-24		
	2024-25		
	2025-26		

Attachments:

Supporting documents, viz., Successful completion certificates from clients, other documentations to substantiate the similarity of work as per definition of "Similar Work". Employers reserve the right to verify the information;

4. Information on litigation history in which the Bidder is involved.

Other parties	Port	Cause of dispute	Amount	Remarks involved showing present status.

5. Declaration of not having been banned or de-listed by any Govt., semi Govt., or PSUs.

6. Additional Information Bidder may like to submit.

Duly authorized to sign this Authorization on behalf of: *[insert complete name of Tenderer]*

Dated on day of

[insert date of signing]

(Form-3)**SPECIMEN EMD (Bank Guarantee Format)**

[The Bank shall fill in this Bank Guarantee Form in accordance with the instructions indicated. To be executed on Rs.300/- non-judicial Stamp Paper]

_____ [Bank's Name, and Address of Issuing Branch or Office]

Beneficiary: _____ [Name and Address of Employer/ Board]

Date: _____

TENDER GUARANTEE No.: _ _____

We have been informed that [name of the Tenderer] (hereinafter called "the Tenderer") has submitted to you its Tender dated (hereinafter called "the Tender") for the execution of [name of contract] under Invitation for Tenders No. [number]. Furthermore, we understand that, according to your conditions, Tenders must be supported by an EMD.

At the request of the Tenderer, we [name of Bank] hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of [amount in figures] ([amount in words]) upon receipt by us of your first demand in writing accompanied by a written statement stating that the Tenderer is in breach of its obligation(s) under the Tender conditions, because the Tenderer:

- (a) has withdrawn its Tender during the period of Tender validity specified by the Tenderer in the Form of Tender; or
- b) having been notified of the acceptance of its Tender by the Employer/ Board during the period of Tender validity, (i) fails or refuses to execute the Form of Agreement, if required, or (ii) fails or refuses to furnish the performance guarantee, in accordance with the Instructions to Tenderers.

This guarantee will expire unless otherwise extended or informed by the Employer/ Board:

- (a) if the Tenderer is the successful Tenderer, upon our receipt of copies of the contract signed by the Tenderer and the performance guarantee issued to you upon the instruction of the Tenderer; or
- (b) if the Tenderer is not the successful Tenderer, upon the earlier of
 - (i) our receipt of a copy of your notification to the Tenderer of the name of the successful Tenderer; or
 - (ii) twenty-eight days after the expiration of the Tenderer's Tender or any extended
 - (iii) period thereof;

Consequently, any demand for payment under this guarantee must be received by us at the office on or before that date.

[signature(s)]

[Authorisation letter from the issuing bank that the signatory of this BG is authorised to do so- should also be enclosed]

(Form-4)**Information regarding Litigation**

The information has to be submitted as per following format:

Other party/ies	Port	Cause of dispute	Amount	Remarks involved showing present status

Duly authorized to sign this authorization on behalf of:
[insert complete name of Tenderer]

Dated on _____ day of _____, _____ [insert date of signing]

(Form-5)

EXCEPTIONS AND DEVIATIONS

As pointed out in the Tender Call Notice, Bidder may stipulate here exceptions and deviations to the bid conditions, if considered unavoidable.

Sr. No	Page No. of Bid Document	Clause No. of Bid Document	Subject Deviation with Reasons

Note : However, the Bidders to note that un-acceptable deviations, if any, the bid shall be liable for rejection. Bidder is discouraged to deviate from Bid conditions, specifications, delivery schedules, commercial terms as per the tender document.

Duly authorized to sign this Authorization on behalf of: *[insert complete name of Tenderer]*

Dated on _____ day of _____, _____
[insert date of signing]

(Form-6)

INTEGRITY PACT**Between**

Deendayal Port Authority (DPA) hereinafter referred to as **"The Principal"**

and

..... (Name of The bidders and consortium members) herein after referred to as **"The Bidder / Contractor"**

Preamble

The Principal intends to award, under laid down organizational procedures, contract(s) / concession(s) for Tender No. **(DC-02/2026)** The Principal values full compliance with all relevant laws of the land rules, regulations, economic use of resources and of fairness / transparency in its relations with its Bidder(s) and / or Contractor(s).

In order to achieve these goals, the Principal will appoint Independent External Monitors (IEMs), who will monitor the tender process and the execution of the contract for compliance with the principles mentioned above.

Section 1 – Commitments of the Principal

- (1) The Principal commits itself to take all measures necessary to prevent corruption and to observe the following principles: -
 - (a) No employee of the Principal, personally or through family members, will in connection with the tender for, or the execution of a contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.
 - (b) The Principal will, during the tender process treat all Bidder(s) with equity and reason. The Principal will in particular, before and during the tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential / additional information through which the Bidder(s) could obtain an advantage in relation to the tender process or the contract execution.
 - (c) The Principal will exclude from the process all known prejudicial persons.
-

- (2) If the Principal obtains information on the conduct of any of its employees which is a criminal offence under the IPC / PC Act, or if there be a substantive suspicion in this regard, the Principal will inform the Chief Vigilance Officer and in addition can initiate disciplinary actions.

Section 2 – Commitments of the Bidder(s) / Contractor(s)

- (1) The Bidder(s) / Contractor(s) commits themselves to take all measures necessary to prevent corruption. The Bidder(s) / Contractor(s) commits themselves to observe the following principles during participation in the tender process and during the contract execution.
- a. The Bidder(s) / Contractor(s) will not, directly or through any other person or firm, offer, promise or give to any of the Principal's employees involved in tender process or the execution of the contract or to any third person any material or other benefit, which he / she is not legally entitled to, in order to obtain in exchange of advantage of any kind whatsoever during the tender process or during the execution of the contract.
 - b. The Bidder(s) / Contractor(s) will not enter with other Bidders into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids, or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.
 - c. The Bidder(s) / Contractor(s) will not commit any offence, under the relevant Prevention of Corruption Act / Indian Penal Code / PC Act; further the Bidder(s) / Contractor(s) will not use improperly, for purposes of competition, or personal gain, or pass on to others, any information or document provided by the Principal, as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
 - d. The Bidder(s) / Contractor(s) of foreign origin shall disclose the name and address of the Agents / Representatives in India, if any. Similarly, the Bidder(s) / Contractor(s) of Indian Nationality shall furnish the name and address of the foreign principals, if any. Further details as mentioned in the "Guidelines on Indian Agents of Foreign Suppliers" shall be disclosed by the Bidder(s) / Contractor(s). Further, as mentioned in the Guidelines all the payments made to Indian agent / representative have to be in Indian Rupees only. Copy of the "Guidelines on Indian Agents of Foreign Suppliers" is placed at (page Nos. 7-20)
 - e. The Bidder(s) / Contractor(s) will, when presenting their bid, disclose any and all payments made, is committed to or intends to make to agents, brokers or any other intermediaries, in connection with the award of the contract.
-

- f. -Bidder(s) / Contractor(s) who have signed the Integrity Pact shall not approach the Courts while representing the matter to IEMs and shall wait for their decision in the matter.
- (2) The Bidder(s) / Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.

Section 3 - Disqualification from tender process and exclusion from future contracts.

If the Bidder(s) / Contractor(s), before award or during execution has committed a transgression through a violation of Section-2 above, or in any other form, such as to put their reliability or credibility in question, the Principal is entitled to disqualify the Bidder (s) / Contractor(s), from the tender process, or take action as per the procedure mentioned in the "Guidelines on Banning of business dealings". Copy of the "Guidelines on Banning of business dealings" is placed at (Page No. 7-20).

Section 4 – Compensation for Damages

- (1) If the Principal has disqualified the Bidder(s), from the tender process prior to the award, according to Section 3, the Principal is entitled to demand and recover the damages equivalent to Earnest Money Deposit / Bid Security.
- (2) If the Principal has terminated the contract according to Section 3, or if the Principal is entitled to terminate the contract according to Section 3, the Principal shall be entitled to demand and recover from the Contractor, liquidated damages of the Contract Value or the amount equivalent to Security Deposit / Performance Bank Guarantee, whichever is higher.
- (3) The Bidder(s) agrees and undertakes to pay the said amounts, without protest or demur, subject only to condition that, if the Bidder(s) / Contractor(s) can prove and establish that the termination of the contract, after the contract award has caused no damage or less damage than the amount of the liquidated damages, the Bidder/Contractor shall compensate the principal, only to the extent of the damage in the amount proved.

Section 5 – Previous transgression

- (1) The Bidder declares that, no previous transgressions occurred in the last three years with any other company in any country confirming to the anti-corruption approach or with any other Public Sector Enterprises in India, that could justify his exclusion from the tender process.
 - (2) If the Bidder makes incorrect statement on this subject, he can be disqualified from the tender process or action can be taken as per the procedure mentioned in "Guidelines on Banning of Business dealing".
-

Section 6 – Equal treatment of all Bidders / Contractors

- (1) In case of Joint venture, all the partners of the joint venture should sign the Integrity Pact. In case of sub-contracting, the principal contractor shall be solely responsible for the adherence to the provisions of IP by the sub-contractor(s)
- (2) There is no provision of sub-contract in the tender, any violation of the same, Contractor shall be held solely responsible for the same.

Section 7 - Criminal charges against violating Bidders / Contractors

If the principal obtains knowledge of conduct of a Bidder or Contractor or of an employee, or a representative, or an associate of a Bidder or Contractor, which constitutes corruption, or if the Principal has substantive suspicion, in this regard, the Principal will inform the same to the Chief Vigilance Officer (CVO) and the CVO will take further necessary action as deemed fit in accordance with the CVC Manual.

Section 8 – External Independent Monitor

- (1) The Principal appoints competent and credible Independent External Monitor for this Pact after approval by Central Vigilance Commission. The task of the Monitor is to review independently and objectively, whether and to what extent the parties comply with the obligations under this agreement.
- (2) The Monitor is not subject to instructions by the representative of the parties and performs his/ her functions neutrally and independently. The Monitor would have access to all Contact documents, whenever required. It will be obligatory for him / her to treat the information and documents of the Bidders / Contractors as confidential. He / she reports to the Chairperson of the Board of the Principal.
- (3) The Bidder(s) / Contractor(s) accepts that the Monitor has the right to access without restriction to all Project documentation of the Principal including that provided by the Contractor. The Bidder / Contractor will also grant the Monitor, upon his / her request and demonstration of a valid interest, unrestricted and unconditional access to the project documentation. The Monitor is under contractual obligation, to treat the information and documents of the Bidder / Contractor with confidentiality.
- (4) The Monitor is under contractual obligation to treat the information and documents of the Bidder(s) / Contractor(s) with confidentiality. The Monitor has also signed declaration on "Non- Disclosure of Confidential Information" and of "Absence of Conflict of Interest". In case of any conflict of interest arising at a later date, the IEM shall inform Chairman, DPA and recues himself / herself from that case
- (5) The Principal will provide to the Monitor sufficient information about all meetings among

the parties related to the Project provided such meetings could have an impact on the contractual relations between the Principal and the Bidder / Contactor. The parties offer to the Monitor the option to participate in such meetings.

- (6) As soon as the Monitor notices, or believes to notice, a violation of this agreement, he / she will so inform the Management of the Principal and request the management to discontinue, or take corrective action. The Monitor can in this regard submit non-binding recommendations. Beyond this, the Monitor has no right to demand from the parties that they act in a specific manner, refrain from action or tolerate action.
- (7) The Monitor will submit a written report to the Chairperson of the Board of the Principal, within 8 to 10 weeks from the date of reference or intimation to him by the Principal and, should the occasion arise, submit proposals for correcting problematic situations.
- (8) If the Monitor has reported to the Chairperson of the Board of the Principal, a substantiated suspicion of an offence under relevant IPC / PC Act and the Chairperson of the Board of the Principal has not, within reasonable time taken visible action to proceed against such offence or reported it to the Chief Vigilance Officer, the Monitor may also transmit this information directly to the Central Vigilance Commissioner, Government of India.
- (9) The word "**Monitor**" would include both singular and plural.

Section 9 - Pact Duration

- 9.1 This Pact shall be operative from the date of signing of IP by both the parties till the final completion of contract of successful bidder and for all other bidders six months after the contract has been awarded. Issues like warranty, guarantee, etc. should be outside the purview of IEMs.
- 9.2 If any claim is made / lodged during this time, the same shall be binding and continue to be valid despite the lapse of this Pact, as specified above unless it is discharged / determined by the Chairperson, DPA.

Section 10 – Other Provisions

- 10.1 This agreement is subject to Indian Law. Place of performance and jurisdiction is the Registered Office of the Principal, i.e. Gandhidham, Gujarat.
 - 10.2 Changes and supplements as well as termination notices need to be made in writing. Side agreements have not been made.
 - 10.3 If the Bidder / Contractor is a partnership or a consortium, this agreement must be signed by all partners or consortium members.
 - 10.4 Should one or several provisions of this agreement, turn out to be invalid, the remainder of this agreement remains valid. In this case, the parties will strive to come to
-

an agreement to their original intentions.

10.5 Issues like Warranty / Guarantee etc. shall be outside the purview of IEMs.

10.6 In the event of any contradiction between the Integrity Pact and its Annexure, the Clause in the Integrity Pact will prevail.

(6) In the event of any contradiction between the Integrity Pact and its Annexure, the Clause in the Integrity Pact will prevail.

<p>_____ (For & on behalf of the Principal)</p> <p>DEENDAYAL PORT AUTHORITY Place : Gandhidham</p> <p>Date : ____ / ____ / 2024</p> <p>Signature of Witness (Sign, Name & Address)</p> <p>_____ NITIN KENIYA. FLOTILLA SUPDT.</p>	<p>_____ (For & on behalf of the Bidder/Contractor) (Office Seal) (Name of signatory)</p> <p>Signature of Witness (Sign, Name & Address)</p> <p>1. _____</p> <p>2. _____</p>
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Note :- The bidder has to execute Integrity Pact agreement with DEENDAYAL PORT AUTHORITY (As per Bid Response Sheet No.10 and name(s) have been nominated by DPA as Independent External Monitors.

1. Shri Amiya Kumar Mohapatra, IFoS (Retd.)
Qrs. No. 5/9, Unit-9, Bhoi Nagar, Bhubaneshwar – 751 022.
Mobile No. 9437002530
Email : amiyaifs@gmail.com
2. Dr. Gopal Dhawan, Ex-CMD, MECL,
House No. 120, Jal Shakti
Vihar, (NHPC Society) P4, Builders Area, Greater Noida Gautam Budh Nagar,
Uttar Pradesh – 201 315,
Mobile No. 80077 71467
Email: gdhawangeologist@gmail.com

(Form-7)

TENDERER'S UNDERTAKING

1. We, the undersigned having read and clearly understood the preliminaries and all schedules to the tender documents hereby offer Supply, Installation, Commissioning and Integration of 360 Degree Horizontal Field of view(HFOV) Full Mission Bridge simulator as specified in the schedules, against which the time charter rates have been inserted to the extent which the Chairman, Deendayal Port Authority or the Deputy Conservator, Deendayal Port Authority may determine in accepting this tender. We hereby agree, subject to the conditions of the contract, to enter into a formal agreement with the Board.
 2. We, undertake to supply the said as described in the specifications within 330 days after issue of Letter of Acceptance.
 3. If our tender is accepted, we undertake within 21 days of the letter of Acceptance of the tender, to be deposited in advance with the Board, a Bank Guarantee issued by a scheduled Bank registered in India having its branch at Gandhidham the sum of 5% of annual contract value of the contract price, as per the preliminaries to the tender documents to be held by the Board as security for the due performance of our obligation under the contract. This guarantee shall be valid every year till the completion of contract.
 3. Until and unless a formal contract agreement is prepared and executed, this tender together with your written acceptance thereof, shall constitute a binding contract between us and the Deendayal Port Authority.
 4. We understand that Deendayal Port Authority is not bound to accept the lowest or any tender the Board may receive.
 5. The undersigned confirms, after personal scrutiny, that the documents and drawing used in compiling this tender are true copies of the documents.
 6. The undersigned further declares the status of the company whose shareholders are as follows:
-

Name of the Director

Percentage of share

Signature of the tenderer

Date: - _____

Name and Address

Witness to Signature of Tenderer

Date:- _____

Name and Address

(Form-8)

SPECIMEN FORMAT FOR DECLARATION

(To be executed on bidder's letter head)

To

(Project Title)

Ref: _____***The undersigned, having studied the pre-qualification submission for the abovementioned project, hereby states:***

- (a) The information furnished in our bid is true and accurate to the best of my knowledge.
- (b) That in case of being pre-qualified, we acknowledge that the employer may invite us to participate in due time for the opening of Price cover of the tender on the basis of provisions made in the tender documents to follow.
- (c) When the call for tenders is issued, if the legal, technical or financial conditions, or the contractual capacity of the firm or joint venture changes, we commit ourselves to inform you and acknowledge your sole right to review the pre-qualification made.
- (d) We enclose all the required pre-qualification data format and all other documents and supplementary information required for the pre-qualification evaluation.
- (e) We also state that no changes have been made by us in the downloaded tender documents and also understand that in the event of any discrepancies observed, the printed tender document No.____is full and final for all legal/contractual obligations (delete if not required).

Date: Place:

Name of the Applicant :

Represented by (Name & capacity):

(Form-9)**TENDER INFORMATION FORM**

[The Tenderer shall fill in this Form in accordance with the instructions indicated below. No alterations to its format shall be permitted and no substitutions shall be accepted.]

Date:	[insert date (as day, month and year) of Tender Submission]	Tender No.:	[insert number of Tendering process]
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Page _____ of _____ pages

1. Tenderer's Legal Name <i>[insert Tenderer's legal name]</i>
2. In case of JV, legal name of each party: <i>[insert legal name of each party in JV]</i>
3. Tenderer's actual or intended Country of Registration: <i>[insert actual or intended Country of Registration along with Registration Details]</i>
4. Tenderer's Year of Registration: <i>[insert Tenderer's year of registration]</i>
5. Tenderer's Legal Address in Country of Registration: <i>[insert Tenderer's legal address in country of registration]</i>
6. Tenderer's Authorized Representative Information Name: <i>[insert Authorized Representative's name]</i> Address: <i>[insert Authorized Representative's Address]</i> Telephone/Fax numbers: <i>[insert Authorized Representative's telephone/fax numbers]</i> <u>Email Address: <i>[insert Authorized Representative's email address]</i></u>
7. Attached are copies of original documents of: [check the box(es)] Of the attached original documents.] 1 Articles of Incorporation or Registration of firm named in 1, above, in accordance with ITT. 1 In case of JV, letter of intent to form JV or JV agreement, in accordance with ITT. 1 In case of government owned entity from India, documents establishing legal and financial autonomy and compliance with commercial law, in accordance with ITT. 1 <u>PAN NUMBER</u> 1 <u>GST Registration Number</u>

(Form-10)

PROFORMA OF JOINT VENTURE/CONSORTIUM AGREEMENT

DELETED

(Not Applicable)

(Form-11)

PROFORMA OF POWER- OF-ATTORNEY FOR LEAD MEMBER OF JV/ CONSORTIUM

DELETED

(Form-12)

FORMAT FOR DETAILS OF CONSORTIUM MEMBERS

DELETED

(Form-13)**FORMAT OF BID SECURING DECLARATION FROM BIDDERS****(On Bidders Letter head)**

Bid Securing Declaration Form

Date: _____ Tender No. DC-02/2026

To (insert complete name and address of the Employer/ Purchaser) I/We. The undersigned, declare that:

I/We understand that, according to your conditions, bids must be supported by a Bid Securing Declaration.

I/We accept that I/We may be disqualified from bidding for any contract with you for a period of three years from the date of notification if I am /We are in a breach of any obligation under the bid conditions, because I/We

a) have withdrawn/modified/amended, impairs or derogates from the tender, my/our Bid during the period of bid validity specified in the form of Bid; or

b) having been notified of the acceptance of our Bid by the purchaser during the period of bid validity (i) fail or reuse to execute the contract, if required, or (ii) fail or refuse to furnish the Performance Security, in accordance with the Instructions to Bidders.

I/We understand this Bid Securing Declaration shall cease to be valid if I am/we are not the successful Bidder, upon the earlier of (i) the receipt of your notification of the name of the successful Bidder; or (ii) thirty days after the expiration of the validity of my/our Bid.

Signed: (insert signature of person whose name and capacity are shown) in the capacity of (insert legal capacity of person signing the Bid Securing Declaration)

Name: (insert complete name of person signing the Bid Securing Declaration)

Duly authorized to sign the bid for an on behalf of (insert complete name of Bidder) Dated on _____ day of _____ (insert date)

(Note: In case of a joint venture, the Bid Securing declaration must be in the name of all partners to the joint venture that submits the Bid)

Corporate Seal
(where appropriate)

(Form-14)

Format of Insurance Surety Bond for Earnest Money Deposit

(To be executed on Non-Judicial Stamp Paper of Appropriate value of Rs. 300/-)

Insurance Surety Bond No.....

Date:.....

(Name of Contract)

To :

The Board of Authorities of the Port of Kandla,
 Deendayal Port Authority,
 A.O. Building,
 P.O. Box No. 50.
 Gandhidham – Kutch

WHEREAS (name of Bidder) (hereinafter called "the Bidder") has submitted its Bid dated (date of bid) for the performance of the above named Contract (hereinafter called "the Bid")

KNOW ALL PERSONS by these present that We (name of Insurance Company) of KNOW ALL PERSONS by these present that We (name of Insurance Company) of (address of Insurance Company) (hereinafter called "the Surety"), are bound unto the Board of Deendayal Port Authority (hereinafter called "the Employer") for the sum of.

(amount), for which payment well and truly to be made to the said Employer, the Surety binds itself, its successors and assigns by these presents.

THE CONDITIONS of this obligation are as follows:

1. If the Bidder (a) withdraws or modifies its Bid during the period of bid validity, or (b) adopts corrupt or collusive or coercive or fraudulent practices or defaults under Integrity Pact.
2. If the Bidder, having been notified of the acceptance of its Bid by the Employer during the period of bid validity.
 - (a) fails or refuses to sign the Contract Agreement when required, or
 - (b) fails or refuses to submit the performance security in accordance with the Tender Documents.

We undertake to pay to the Employer up to the above amount upon receipt of its first written demand, without the Employer having to substantiate its demand, provided that in its demand the Employer will mention that the amount claimed by it is due, owing to the occurrence of one or both of the two above-named CONDITIONS, and specifying the occurred condition or conditions.

The Surety declares that this Insurance Surety Bond is issued by the (name of Insurance Company) as per the applicable rules and regulations of Insurance Regulatory Development Authority of India (IRDAI).

This Insurance Surety Bond will remain in force up to and including (date 60 days after the period of bid validity), and any demand in respect thereof must reach the Surety not later than the above date.

For and on behalf of the Insurance Company

in the capacity of

Common Seal of the Insurance Company with complete address including Tel. Nos./e-Mail Id.
Staff Authority No. of the officer of the Insurance Company/Signatory

INSTRUCTIONS FOR EXECUTION OF INSURANCE SURETY BOND FOR EARNEST MONEY DEPOSIT

1. Insurance Surety Bond for Earnest Money Deposit should be executed on non-judicial Stamp papers of requisite value in accordance with the stamp Act if applicable to that particular state of Indian Union country of executing Insurance Company, where executed. In case the same is issued by an International Insurance Company (it should be registered under insurance Act 1938 or as amended from time to time and approved by the Insurance Regulatory Development Authority of India (IRDAI)) the law prevalent in the country of execution shall prevail for the purpose of Stamp Duty on the Insurance Surety Bond. However, in such a case, the Insurance Surety Bond for Earnest Money Deposit shall be got confirmed by the Bidder through any Indian Scheduled/Nationalized Insurance Company.
 2. The executing officers of the Insurance Surety Bond for Earnest Money/Bid Security shall clearly indicate in (block letters) his name, designation, Power of Attorney No./Signing Power No. as well as telephone/ fax numbers with full correspondence address of the issuing Guarantee etc.
 3. Each page of the Insurance Surety Bond for Earnest Money Deposit shall be duly signed/initialled by the executing officers and the last page shall be signed in full, indicating the particulars as aforesaid (sub-para 2) under the seal of the Insurance Company
 4. Stamp paper shall be purchased in the name of Insurance Company counting the
-

Insurance Surety Bond, after the date 'Notice Inviting Tender', not more than six months prior to execution/issuance of the Insurance Surety Bond. The name of the purchaser should appear at the back side of stamp paper in the Vendors Sing. The issuing insurance Company shall be requested independently for verification/confirmation of the Insurance Surety Bond issued, non- confirmation of which may lead to rejection of 'Insurance Surety Bond'.

5. Irrevocable, valid and fully enforceable Insurance Surety Bond in favour of the Employer (Name of Employer) issued by any Insurance Company registered under insurance Act amended from time to time and approved by the insurance Regulatory Development Authority of India (IRDA) in Indian currency (INR) only is acceptable to the Employer.
 6. Insurance Surety and for Bid security in original shall be submitted along with the Bid. However, the issuing Insurance Company shall submit an unstamped duplicate copy of Insurance Surety Bond directly by registered post (A.D.) to the Employer (authority inviting tenders) with forwarding letter.
-

(Form-15)

SPECIMEN CONTRACT AGREEMENT
(To be executed on Rs.300/- non-judicial Stamp Paper)

[The successful Tenderer shall fill in this form in accordance with the instructions indicated]

THIS CONTRACT AGREEMENT is made

the [insert: number] day of [insert: month], [insert: year]. BETWEEN

- (1) *The Board of [insert name of the Port], an Autonomous Body of the Ministry of Ports, Shipping & Waterways of the Government of INDIA, incorporated under the Major Port Authorities Act, 2021 as Amended thereafter, under the Laws of India and having its principal place of business at [insert address of Port] (hereinafter called "the Port"), and*
- (2) *[insert name of Contractor], [incorporated under] the laws of [insert: country of Contractor] and having its principal place of business at [insert: address of Contractor] (hereinafter called "the Contractor").*

WHEREAS the Employer/ Board invited Tenders against tender no. [Number for execution of [TENDER TITLE AND BRIEF DESCRIPTION] viz., and has accepted a Tender by the Contractor in accordance with the supply/ delivery schedules, in the sum of [insert Contract Price in words and figures, expressed in the Contract currency(ies)] (hereinafter called "the Contract Price").

NOW THIS AGREEMENT WITNESSES AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.
2. The following documents shall constitute the Contract between the Employer/ Board and the Contractor, and each shall be read and construed as an integral part of the Contract:
 - (a) This Contract Agreement;
 - (b) Special Conditions of Contract;
 - (c) General Conditions of Contract;
 - (d) Technical Requirements (including Schedule of Requirements and Technical Specifications, drawings);
 - (e) Notice Inviting Tender;
 - (f) Replies issued to the Pre-bid queries, addenda are any issued [numbers and dates];

(g) The Contractor's Bid and original Price and Delivery Schedules;

(h) The Employer/ Board's Notification of Award;

I [Correspondence the Employer/ Board had exchanged with the bidder till and after award of contract [specific letters and dates]; and

(j) [Add here any other document(s)]

AND WHEREAS

EMPLOYER/ BOARD accepted the Bid of CONTRACTOR for the provision and the execution of WORK at the CONTRACT PRICE as indicated in CONTRACT upon the terms and subject to the conditions of Contract. Now this CONTRACT AGREEMENT witnessed and it is hereby agreed and declared as follows:

2. In consideration of the payment to be made to CONTRACTOR for WORK to be executed by him. CONTRACTOR hereby Covenants with EMPLOYER/ BOARD that CONTRACTOR shall and will duly provide, execute and complete Work and things in CONTRACT, mentioned or described or which are to be implied there from or may be reasonably necessary for completion of Work and at the times and in the manner and subject to the terms and conditions or stipulations mentioned in CONTRACT.
3. In consideration of the due provision, execution and completion of WORK by the CONTRACTOR in accordance with the terms of the CONTRACT, the EMPLOYER/ BOARD does hereby agree with CONTRACTOR that EMPLOYER/ BOARD will pay to Contractor the respective amounts for the work actually done by him and approved by EMPLOYER/ BOARD as per Payment Terms accepted in CONTRACT and payable to CONTRACTOR under provision of Contract at such time and at such manner as provided for in the CONTRACT.

AND

4. In consideration of the due provision, execution and completion of WORK, CONTRACTOR does hereby agree to pay such sums as may be due to EMPLOYER/ BOARD for the services rendered by EMPLOYER/ BOARD to Contractor as set forth in CONTRACT and such other sums as may become payable to EMPLOYER/ BOARD towards loss, damage to the EMPLOYER/ BOARD's equipment, materials etc. and such payments to be made at such time and in such manner as is provided in the CONTRACT.

'WHEREAS the contractor has agreed to deposit the performance security deposit @ 10% of annual contract price amounting to Rs. _____ in following manner for the due fulfilment of all the conditions of the contract'

- (a) 5% of Rs. _____ paid in the form of Bank Guarantee/FDR/Digital mode/ Insurance Surety Bond mode of payment vide No. _____, dated _____, issued by _____ (to be submitted in 21 days of issue of LOA).

- (b) Balance 5% amount of Rs. _____ to be recovered from the Running Accounts bills.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with the laws of *[insert the name of the Contract governing law country]* on the day, month and year indicated above.

For and on behalf of the Employer/
Board Signed: [insert signature]

in the capacity of [insert title or other appropriate designation] in the presence of [insert identification of official witness]

For and on behalf of the Contractor

Signed: [insert signature of authorized representative(s) of the

Co

ntractor] in the capacity of [insert title or other appropriate designation]

in the presence of [insert identification of official witness] Secretary

Signed & Sealed on the behalf of Board of Authority Deendayal
Port Authority

(Form-16)

SPECIMEN BANK GUARANTEE PERFORMANCE GUARANTEE/ SECURITY DEPOSIT**(To be executed on Rs.300/- non-judicial Stamp Paper)**

[The bank, as requested by **the successful Tenderer**, shall fill in this form in accordance with the instructions indicated]

In consideration of the Board of **[insert name of Port]** incorporated by the Major Port Authorities Act, 2021 (hereinafter called "The Board" which expression shall unless excluded by or repugnant to the context or meaning thereof be deemed to include the Board of **[insert name of Port]**, its successors and assigns) having agreed to _____ exempt _____ (hereinafter

called the "Contractor") (Name of the Contractor/s) _____
from the demand under the terms and conditions of the Contract, vide (Name of the Department) _____'s letter No. & date _____
made between the Contractors and the Board for execution of _____ covered under Tender No. _____ dated _____

_____ (hereinafter called "the said contract") for the payment of Performance Guarantee in cash or Lodgment of Government Promissory Loan Notes for the due fulfilment by the said Contractors of the terms and conditions of the said Contract, on production of a _____ Bank _____ Guarantee for Rs. _____ (Rupees _____)

_____) only we, the _____
(Name _____ of _____ the _____ Bank _____
and Address) _____

(hereinafter referred to as "the Bank") at the request of the Contractors do hereby undertake to pay to the Board an amount not exceeding Rs. _____ (Rupees _____) only against any loss or damage caused to or suffered or which would be caused to or suffered by the Board by reason of any breach by the Contractors of any of the terms and conditions of the said contract.

2. We, _____, _____, do hereby (Name of Bank)
(Name of Branch)

undertake to pay the amounts due and payable under this guarantee without any demur merely on a demand from the Board stating that the amount claimed is due by way of loss or damage caused to or which would be caused to or suffered by the Board by reason of any breach by the Contractors of any of the terms and conditions of the said contract or by reason of the Contractors failure to perform the said contract. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this Guarantee. However, our liability under this guarantee shall be restricted to any amount not exceeding Rs. _____ (Rupees _____ only.)

3. We, __, undertake to pay to the (Name of Bank and Branch) Board any money so demanded notwithstanding any dispute or disputes raised by the Contractor(s) in any suit or proceeding pending before any Court or Tribunal relating thereto our liability under this present being absolute and unequivocal. The payment so made by us under this bond shall be a valid discharge of our liability for payment thereunder and the Contractor(s) shall have no claim against us for making such payment.

4. We, _____ further agree with the Board that (Name of Bank and Branch)

the guarantee herein contained shall remain in full force and effect during the period that would be taken for performance of the said contract and that it shall continue to be enforceable till all the dues of the Board under or by virtue of the said contract have been fully paid and its claims satisfied or discharged or till the (name of user department)

of the said certifies that the terms and conditions of the said contract have been fully and properly carried out by the said Contractors and accordingly discharge this guarantee. PROVIDED HOWEVER that the Bank shall be the request of the Board but at the cost of the Contractors, renew or extend this guarantee for such further period or periods as the Board may require from time to time.

5. We, _____ further agree with the Board (Name of Bank and Branch)

that the Board shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said contract or to extend the time of performance by the said contract or to extend the time of performance by the said Contractors from time to time or to postpone for any time or from time to time any of the powers exercisable by the Board against the said Contractors and to forebear or enforce any of the terms and conditions relating to the said contract and we shall not be relieved from our liability by reason of any such variation or extensions being granted to be Contractors or for any forbearance, act or omission on the part of the Board or any indulgence shown by the Board to the Contractors or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

6. This guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor(s).
7. It is also hereby agreed that the Courts in **Gandhidham** would have exclusive jurisdiction in respect of claims, if any, under this Guarantee.
-

8. We, Bank lastly undertake not to revoke this guarantee during its currency except with the previous consent of the Board in writing.

9. *Notwithstanding anything contained herein:

a) Our liability under this Bank Guarantee shall not exceed Rs. _____
(Rupees

_____ only)

;

b) this Bank Guarantee shall be valid up to _____; and

c) we are liable to pay the guarantee amount or any part thereof under this Bank Guarantee only and only if you serve upon us a written claim or demand on or before ____ (date of expiry of Guarantee)." Date _____ day of ____ 2026

For (Name of Bank) (Name)

Signature

Letter of Acceptance
[to be issued by DPA on letter head]

No. ____/____/____

Date: _____

To: _____ [Name & address of contractor]

Sub:

Ref: Your bid dated _____ and list of correspondence with the bidders.

Dear Sir,

This is to notify you that your price bid opened on _____ for execution of the work " _____ ", as given in the instruction to bidders for the Contract Price of Rs. _____ [amount in words and figures] as corrected and modified in accordance with the Tender Documents is hereby accepted by the competent authority of Deendayal Port Authority.

You are hereby requested to furnish performance guarantee, for an amount of Rs. _____ [amount in words and figures] within {21} days of the issue of

this
~~letter of~~ acceptance valid upto {28} days from the
 date of completion/obligation/ expiry of taking over certificate subject to removal of defects period, if any i.e. upto and also sign the contract agreement within

{14} days of the receipt of this letter of acceptance, failing which action as stated in the tender document will be taken. _____

Detailed Work Order will
 follow. Please
 acknowledge receipt.

Yours faithfully,
 Authorized signatory

Name and title of signatory
 Deendayal Port Authority

(Form – 18)

Work Order [to be issued by DPA on letter head]
--

No. ____/____/____

Date: _____

To: _____ [Name &
address of contractor]

Sub: _____

Ref: Letter of Acceptance No. _____ dated_____
Sir,

Pursuant to your furnishing the requisite Security and signing of the
contract for _____ execution of the work

“ _____
_____, you are hereby instructed to proceed with the execution of the said work
w.e.f. ____ in accordance with the contract documents.

Thanking you,

Yours faithfully,

Deputy Conservator,
Deendayal Port Authority,
Gandhidham

FORM-8 A

FORMAT FOR INSURANCE SURETY BOND FOR PERFORMANCE GUARANTEE

(To be execute on Non-Judicial Stamp paper of Rs. 500)

Insurance Surety Bond No. Date :

(Name of the Contract)

To :

The Board of Authorities of the Port of Kandla,

Deendayal Port Authority,

A.O. Building,

P.O. Box No. 50. Gandhidham – Kutch

Dear Sirs,

In consideration of the Board of Deendayal Port Authority of the Port of DEENDAYAL PORT AUTHORITY (hereinafter called " The Board" which expression shall unless excluded by or repugnant to the context or meaning thereof be deemed to include the Board of Deendayal Port Authority of the Port of [DEENDAYAL PORT AUTHORITY], its successors and assigns) having awarded to M/s [Contractor's Name] with its Registered/Head Office at (hereinafter referred to as the 'Contractor', which expression shall unless repugnant to the context or meaning thereof, include its successors administrators, executors and assigns), a Contract by issue of Employer's Letter of Acceptance No.

..... dated .and the same having been acknowledged by the Contractor, for [Contract sum in figures and words] for [Name of the work] and the Contractor having agreed to provide a Contract Performance Guarantee for the faithful performance of the entire Contract equivalent to.....(*) of the said value of the aforesaid work under the Contract to the Employer.

We..... [Name & Address of the Insurance Company] having its Head Office at (hereinafter referred to as the 'Surety', which expression shall, unless repugnant to the context of meaning thereof, include its successors, administrators, executors and assigns) do hereby guarantee and undertake to pay the Employer, on demand any and all monies payable by the Contractor to the extent of (*) as aforesaid at any time upto..... (@) [days/month/year] without any demur, reservation, contest, recourse 116 or protest and/or without any reference to the Contractor. Any such demand made by the Employer on the Insurance Company shall be conclusive and binding notwithstanding any difference between the Employer and the Contractor or any dispute pending before any Court, Tribunal, Arbitrator or any other authority. The Surety undertakes not to revoke this guarantee during its currency without previous consent of the Employer and further agrees that the guarantees herein contained shall continue to be enforceable till the Employer discharges this guarantee or till. (days/month/year] whichever is earlier.

The Employer shall have the fullest liberty, without affecting in any way the liability of the Insurance company under this guarantee, from time to time to extend the time for performance of the Contract by the Contractor. The Employer shall have the fullest liberty, without affecting this guarantee, to postpone from time to time the exercise of any powers vested in them or of any right which they might have against Contractor, and to exercise the same at any time in any manner, and either to enforce or to forbear to enforce any covenants, contained or implied, in the Contract between the Employer and the Contractor or any other course or remedy or security available to the Employer. The Insurance company shall not be released of its obligations under these presents by any exercise by the Employer of its liberty with reference to the matters aforesaid or any of them or by reason of any other act or forbearance or other acts of omission or commission on the part of the Employer or any other indulgence shown by the Employer or by any other matter or thing whatsoever which under law would, but for this provision have the effect of relieving the Insurance Company.

The Surety declares that this Insurance Surety Bond is issued by the (name of Insurance Company) as per applicable rules and regulations of insurance regulatory development authority of India (IRDAI), and also agrees that the Employer at its option shall be entitled to enforce this Guarantee against the Insurance Company as a principal debtor, in the first instance without proceeding against the Contractor and notwithstanding any security or other guarantee the Employer may have in relation to the Contractor's liabilities

- i) Our liability under this Insurance Surety Bond shall not exceed(*).....
- ii) This Insurance Surety Bond shall be valid up to(+)......
- iii) We are liable to pay the guaranteed amount or any part thereof under this Insurance Surety Bond only and only if Employer serve upon Insurance Company a written claim or demand on or before@.....

Dated thisday of 20..... at.....

WITNESS

Signed for and on behalf
of the Insurance Company

1.
.....
.....
(Signature)

.....
(Signature)

.....
(Name)

.....

Notes:

1.
 - (*) This sum shall be Five percent (5%) of the accepted tender value denominated in the types and proportions of currencies.
 - (@) This Performance Guarantee should be valid for a period of 60 days beyond the date of completion of all contractual obligations of the contractor, including defect liability period.
 - (+) This date will be the date of issue of defect liability Certificate (if applicable)
 2.

Insurance Surety Bond should be executed on appropriate stamp paper of requisite value, such stamp paper should be purchased in the name of Issuing Insurance Company, not more than six (6) months prior to execution / issuance of Insurance Surety Bond. The name of the purchaser should appear at the back side of stamp paper in the Vendors Stamp. Insurance Surety Bond should contain rubber stamp of the authorized signatory of the Insurance Company indicating the name, designation and signature/ power of attorney number as well as telephone numbers / e-Mail Id with full correspondence address of the Insurance Company.

In case the same is issued by an International Insurance Company (it should be registered under Insurance Act 1938 or as amended from time to time and approved by the Insurance Regulatory Development Authority of India (IRDAI)), the law prevalent in the country of execution shall prevail for the purpose of Stamp Duty on the Insurance Surety Bond.

However, in such a case, the Insurance Surety Bond shall be got confirmed through any Indian Scheduled/Nationalized Insurance Company.
 3.

Insurance Surety Bond is required to be submitted directly to the Employer by the issuing Insurance Company (on behalf of Contractor) under registered post (A.D.). The Contractor can submit an advance copy of Insurance Surety Bond to the Engineer.
 4.

The issuing Insurance Company shall write the name of Insurance Company's controlling branch/ Head Office along with contact details like telephone no., e-Mail Id and full correspondence address in order to get the confirmation of Insurance Surety Bond from that branch/ Head office, if so required.
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SECTION – IV

Schedule-B

Name of Work: Supply, Installation, Commissioning, Training and Integration of 360 Degree Horizontal Field of View (HFOV) Full Mission Bridge Simulator with 05 years Comprehensive Annual Maintenance Contract at Deendayal Port, Kandla.

SCHEDULE OF PRICE

Sr. No.	DESCRIPTION	QTY.	UNIT	RATE	AMOUNT
1.	Supply, Installation, Commissioning, Training and Integration of 360 Degree Horizontal Field of View (HFOV) Full Mission Bridge Simulator	1	No.		
<u>2.</u>	Comprehensive AMC with all required material and service for the period of 5 years	5	Per Year		
				<u>Total</u>	