

**INDIAN PORTS ASSOCIATION**  
**Addendum-2**

IPA/GAD/C-UKC/2017

Dt. 04.07.2018

**Request for Proposal (RFP) for "Design Development, Integration, Implementation, Operation and Maintenance of Real Time Under Keel Clearance System for VoCPT"**

**1. Page no 23 of RFP, Bullet point 6 of Clause 2 (Section 2) shall be read as:**

"The system must be equipped with a comprehensive database to manage vessels and able perform scenario analytics based on the real time UKC inputs with functionality to retrieve the pre-created scenarios. The system must be able to produce online reports of the scenarios which can be printed or save to a file."

**2. Page no 23 of RFP, Clause 4 (Section 2) shall be read as :**

As such this proposal, relates to the implement and commission for operational use of a system real-time UKC risk management technology for the Port. The prospective tenderer must be capable of providing the following services for 10 years from commissioning and handover:

- Ongoing upgrades and maintenance;
- 24/7 user support / operation
- Interoperability with existing GIS and other real time management systems

**3. Page No 25 of RFP, New bullet point added to sub-section D of Clause 8 (Section2) under the heading 'Environment Data Display' shall be read as:**

- The system should be able to receive and store all environmental measurements and forecasts used by the system.
- The system should have configurable display that can present latest received data.
- System should be web based to enable access to the system via a web page
- The system design should follow international data standards and symbology for environmental data display.

**4. Page no 26 of RFP, Long Term Predictions in table of Clause 10 (Section 2) under the heading 'Systems Requirements' the requirements shall be read as:**

- Capable of performing long term (>72 hours to months) predictions utilizing system's methodology but with a statistical representation of the environmental data.
- There methods of predictions must be spelt out clearly with the proof of validation of same through publications & patents.

**5. Page no 27 of RFP, Short Term Predictions in table of Clause 10 (Section 2) under the heading ‘Systems Requirements’ the requirements shall be read as:**

- Capable of performing short term (<72 hours to the time of sailing) predictions using forecasts based on real time environmental data.
- The accuracy of such predictions shall be such that the error between prediction and measurement shall be less than 3% for waves; 2cm for tides, 5% for currents and 3% for all other parameters.

**6. Page no 27 of RFP, sub-heading ‘A’ under Clause 10 (Section 2) shall be read as:**

A training and familiarization program shall be determined and organized for VOC and NTCPWC port staff. A minimum of 3 people from Port to be trained at OEM premises and port operational team to be trained at Site in India.

**7. Page no 32 of RFP, Bullet point ‘Maintenance Considerations’ under Clause 13 (Section 2) shall be read as:**

- Seabed instruments often require 3 to 6-month diver maintenance, wave buoys typically only 6 months servicing, radar / lasers often much less.
- The maintenance / redundancy of all equipment shall be such that the system is out of service for NOT MORE THAN 6hrs in a month.

**8. Page no 33 of RFP, Clause 14 (Section 2) Para ‘1’ shall be read as:**

The project shall be executed through a series of visits to VoCPT, observing the actual operations, interactions with the planning, designing, development, operations and maintenance groups of the respective ports, making presentations, collecting feedback, drafting reports and all allied works. Implementation of the system will be monitored by NTCPWC/IITM. The lists of deliverables are as follows:

*Note: The vendor shall specify two methods of data measurement / retrieval. One is changing of battery & retrieval of data during a planned off-time of in w reasonable duration once twice a month. The second is continuous measurement and retrieval without disturbing the equipment by providing suitable means of power source and data retrieval. The Technical & financial bid shall clearly bring out which method is being proposed among the above.*

Table.....

**9. Page no 33 of RFP, bullet 1 & 2 of table (Sr.A) under Clause 14 (Section 2) shall be read as:**

- Wave & tide gauge (ADCP for measuring wave climate and current profiles.)
- ADCP for waves (ADCP for measuring wave climate and current profiles)

**10. Page no 17 of RFP, Clause 16.4(e):** Clause Deleted.

**11. Page no 18 of RFP, Clause No, 20.1 under the heading Earnest Money Deposit shall be read as:**

- i. Rs. 50,00,000 (Rupees fifty lakhs only), in the form of Bank Guarantee issued by a Indian Nationalized / Scheduled Bank and drawn in favour of Indian Ports Association, payable at New Delhi valid for 180 days from the date of submission of bid.
- ii. Proposal not accompanied by EMD shall be rejected as non-responsive.
- iii. No interest shall be payable by the Employer for the sum deposited as earnest money deposit.
- iv. The EMD of the unsuccessful bidders shall be returned within 45 days of award of job.

**12. Page no 37 of RFP, Clause 6.1 (Section 2) under the heading Eligibility Criteria & sub-heading of Financial Strength Criteria- Pre-qualification description shall be read as:**

The bidder should have an average annual turnover of at least INR 24 Crore or its equivalent in foreign currency in last 3 financial years (FY 2015-16, 2016-17 and 2017-18).

\* For conversion of US Dollars to Rupees, the rate of conversion shall be Rupees 68.37 [Rupees Sixty eight point three seven] to a US Dollar. In case of any other currency, the same shall first be converted to US Dollars as on the date 60 (sixty) days prior to the Application Due Date, and the amount so derived in US Dollars shall be converted into Rupees at the aforesaid rate. The conversion rate of such currencies shall be the daily representative exchange rates published by the International Monetary Fund RBI/ SBI for the relevant date.

**13. Page no 37 of RFP, Clause 6.2 (Section 2) under the heading Eligibility Criteria & sub-heading of Positive Net Worth Criteria- Pre-qualification description shall be read as:**

The bidder should have positive net worth for last three years as of March 31, 2018.

For the purpose of this criterion, net-worth of only the bidding entity will be considered. Net-Worth of any parent, subsidiary, associated or other related entity will not be considered. Net Worth shall mean (Subscribed and Paid-up Equity + Free Reserves) less (Revaluation reserves + miscellaneous expenditure not written off + reserves not available for distribution to equity shareholders).

**14. Page No. 44, Clause no 10 under the heading Evaluation Criteria: -**

- Tech Forms from Sr. A.1 –A.4 may be read as PQ-5 Form
- Tech Forms from Sr. B.1 –B.5 may be read as Form TP-5

**15. Page No. 29, Clause no 12 (Section 2) under the heading Metrocean Data Specifications: -**

In addition to the existing clause, following additional details have been incorporated and detailed specification is given in Appendix-2:

- i. No. of Display Screens: 3
- ii. No of Data Logger: 1

**16. Page No. 77, Financial Proposal (FP-2), Sr. No 2c may be read as:**

Vessel Transit fee for 200(per year) vessels for 5 years.

**17. Schedule for Receipt of the bid(s) shall be read as follows:**

- a. Receipt of Offers on or before 1500 Hrs on 16.07.2018**
- b. Opening of offers at 1530 Hrs on 16.07.2018**

**18. FORMS:** Following forms are annexed at **Appendix-1**

- 1. PQ Form 3- (Financial Capability)
- 2. PQ Form 4- ( Proforma for EMD)
- 3. PQ Form 5- (Details of Experience of Bidder in Various Projects)
- 4. PQ Form 6- (Format for Consortium Agreement)
- 5. PQ Form 7- (Details of ineligibility for corrupt or fraudulent practices/blacklisted with any of the Government Or Public Sector units or Local Governments.)

**INDIAN PORTS ASSOCIATION**  
**APPENDIX-1**

Dt.04.07.2018

**PQ Form 3 - Financial Capability**

**<<To be completed by the Bidder / In case of consortium, by each partner as appropriate to demonstrate that they meet the requirements>>**

**<<On the letterhead of the Chartered Accountant>>**

**<<To be submitted along with Audited Financial Statements>>**

Date:

To

Managing Director, Indian  
Ports Association, 1<sup>st</sup> Floor,  
South Tower, NBCC Place,  
Bhishma Pitamah Marg,  
Lodhi Road,  
Institutional  
Area, New  
Delhi – 110003

Dear Sir,

We have examined the books of accounts and other relevant records of <<Bidder / consortium Partner Name along with registered address>>. On the basis of such examination and according to the information and explanation given to us, and to the best of our knowledge & belief, we hereby certify that the annual turnover for the three years i.e. from FY 2015-16 to FY 2017-18 was as per details given below:

<b>Information from Balance Sheets (in Indian Rupees)</b>			
	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>
<b>Annual Turnover</b>			
<b>Networth</b>			

(Signature of the  
Chartered Accountant)

Name :

Designation :

Members

hip

Number : Date :

Company Seal :

Business Address :

## PQ Form 4 - Proforma for EMD

To,

WHEREAS..... (Name of Bidder) hereinafter called "The Bidder" has decided to participate in the tender number ..... , hereinafter called "Tender" published by Indian Ports Association, hereinafter called "IPA".

AND WHEREAS it has been stipulated by you in the said Tender that the Bidder shall furnish you with a Demand Draft or Pay Order or Bank Guarantee (of Nationalized Bank) for the sum specified therein as Security Deposit for compliance with the Bidder's obligations in accordance with the Tender.

AND WHEREAS we have agreed to give the Bidder a guarantee

THEREFORE WE hereby affirm that we are Guarantors and responsible to you, on behalf of the Bidder, up to a total of Rs. \_\_\_\_\_/- (Rupees <in words> only) and we undertake to pay you, upon your first written demand declaring the Bidder to be in default of the tender conditions and without cavil or argument any sums within the limit of Rs. \_\_\_\_\_/- as aforesaid, without your needing to prove or to show this grounds or reasons for your demand or the sum specified therein.

This guarantee is valid until the .....day of.....20....

"Notwithstanding anything contained herein: liability under this bank guarantee shall not exceed Rs. <Insert Value> (Rupees <Insert Value in Words> only.  
- This bank guarantee shall be valid up to <Insert Expiry Date>  
-

It is condition of our liability for payment of the guaranteed amount or any part thereof arising under this bank guarantee that we receive a valid written claim or demand for payment under this bank guarantee on or before <Insert Expiry Date> failing which our liability under the guarantee will automatically cease.

\_\_\_\_\_  
(Signature and Seal of Bank)

Date: \_\_\_\_\_

Address: \_\_\_\_\_

Witness: \_\_\_\_\_

## PQ Form 5 - Details of Experience of Bidder in Various projects

As per the format below, the bidder should provide information for each project on similar assignments required for pre-qualification and technical evaluation criteria.

Sr. No.	Name of the Organization - <<Name of the Bidder / Consortium Member that have executed / executing the project>>	
	<b>Parameter</b>	<b>Details</b>
<b>General Information</b>		
1.	Customer Name	
<b>Project Details</b>		
2.	Name of the Project	
3.	Type of project	
4.	Location the projects	
5.	Start Date and End Date	
6.	Current Status (Live / completed / on-going / terminated / suspended)	
Sr. No.	Name of the Organization - <<Name of the Bidder / Consortium Member that have executed / executing the project>>	
	<b>Parameter</b>	<b>Details</b>
<b>Financial details of the project (value in millions. Specify the currency and exchange rates)</b>		
13.	Order Value of the project in millions	

**Certification:** I, the undersigned, certify that to the best of my knowledge and belief, these data correctly describe the Projects implemented by our Company.

(Signature)

(Name of Authorized Signatory)

(Designation)

(Date)

(Name and address of the bidder)

(Company Seal)

## PQ Form 6 - Format for Consortium Agreement –

<<On non-judicial stamp paper of appropriate value to be purchased in the name of executants companies or as required by the jurisdiction in which executed>>

This Consortium Agreement executed on this ..... day of..... Two Thousand ..... By:

M/s. ....a Company incorporated under the laws of.....and having its registered office at..... (Hereinafter called the "Bidder" which expression shall include its successors);

And

M/s. .... a Company incorporated under the laws of .....and having its registered office at..... (Hereinafter called the "Second Member of the consortium" which expression shall include its successors)

And

M/s. .... a Company incorporated under the laws of .....and having its registered office at..... (Hereinafter called the "Third Member of the consortium" which expression shall include its successors)

The Bidder the Second Member and the Third Member shall collectively hereinafter be called as the "Consortium Members" for the purpose of submitting a proposal (hereinafter called as "Bid") for the work of .....(Name of project) of IPA (hereinafter called the "Owner") in response to Request for Proposal Document (hereinafter called as "tender" Document) Dated..... for the purposes of submitting the bid no. ....and entering into a contract in case of award for the work of ..... (Name of work).....

WHEREAS, the Owner invited bids vide its tender document no. ....for the work of.....AND WHEREAS as per document, Consortium bids will also be considered by the Owner provided they meet the specific requirements in that regard.

AND WHEREAS the bid is being submitted to the Owner vide proposal dated ..... based on the Consortium Agreement and the bid with its forms and submission documents, in accordance with the requirement of tender conditions and requirements have been signed by all the partners and submitted to the Owner.

AND WHEREAS Clause <> of tender document stipulates that a Consortium of maximum <3> companies, meeting the requirements stipulated in the tender document may submit a Proposal signed by Lead Member of the Consortium Members known as Lead Bidder so as to legally bind the Lead Bidder to be liable for the performance and all obligations there under to IPA and duly signed Consortium Agreement shall be attached to the Proposal.

NOW THEREFORE, in consideration of the mutual covenants of the members of the Consortium, the sufficiency whereof is hereby acknowledged and other good valuable consideration, we agree as follows:

1. We the members in the Consortium hereby confirm that the name and style of the Consortium shall be..... Consortium.

2. M/s. ....shall act as Bidder for self, and for and on behalf of M/s ..... (Second Member). Further, the bidder is authorized to incur liabilities and receive instructions for and on behalf of any or all members of the consortium.
3. The composition or the constitution of the consortium shall not be altered without the prior consent of IPA.
4. The roles and responsibilities of the lead bidder and the other members of the consortium for execution of various components/activities as defined in the [tender](#) document shall be as under:

S. No.	Project Component/Activity	Roles & Responsibility of Bidder	Roles & Responsibility of Second Member	Roles & Responsibility of Third Member
1				
2				
3				
4				

5. It is expressly agreed by the members that the lead member shall be held responsible for the specific roles/responsibilities undertaken by other members of the consortium.
6. For the purpose of this Agreement, the tender Document and the Contract, the lead bidder shall be the single point of contact for the IPA, shall have the overall responsibility of the management of the Project and shall have single point responsibility for ensuring that all members of the consortium are complying with the terms and conditions set out in the Contract and the tender Document.
7. It is expressly agreed by the Members that all the due payments shall be made by the Owner to Lead Bidder only.
8. This Consortium agreement shall be construed and interpreted in accordance with the laws of India and the Courts of Delhi shall have the exclusive jurisdiction in all matters arising there under.
9. It is also hereby agreed that the Lead Bidder shall, on behalf of the Consortium shall submit the Bid and performance Security as specified by owner in the tender document.
10. It is further agreed that this Consortium Agreement shall be irrevocable and shall continue to be enforceable till the same is discharged by IPA
11. This Agreement shall come into force as of the date of signing and shall continue in full force and effect until the complete discharge of all obligations, concerning the carrying out of the Project, which have been taken on by the Parties under the Contract, tender Document and under this Agreement.
12. Any other terms and conditions not in contradiction to the tender and above mentioned terms and conditions.

IN WITNESS WHEREOF, the Members to the Consortium agreement have through their authorized representatives executed these presents and affixed common seal of their companies, on the day, month and year first mentioned above.

<p>Common Seal of.....has been affixed in my/our Bidder presence pursuant to Board of Director's resolution dated .....</p> <p>1) Witness</p> <p>2) Witness</p>	<p>For and on behalf of M/s.....</p> <p>(Bidder)</p> <p>(Signature of authorized representative) Name:</p> <p>Designation:</p>
<p>Common Seal of.....has been affixed in my/our Bidder presence pursuant to Board of Director's resolution dated .....</p> <p>1) Witness</p> <p>2) Witness</p>	<p>For and on behalf of M/s.....</p> <p>(Second member)</p> <p>(Signature of authorized representative) Name:</p> <p>Designation:</p>
<p>Common Seal of.....has been affixed in my/our Bidder presence pursuant to Board of Director's resolution dated .....</p> <p>1) Witness</p> <p>2) Witness</p>	<p>For and on behalf of M/s..... (Third member)</p> <p>(Signature of authorized representative) Name:</p> <p>Designation:</p>

# PQ Form 7 - Details of ineligibility for corrupt or fraudulent practices / blacklisted with any of the Government or Public Sector Units or Local Governments

<<On the letterhead of the Bidding Organization>>

<<In case of consortium, separate certificates to be submitted from respective authorized representatives>>

Date:

To  
Managing Director, Indian  
Ports Association, 1<sup>st</sup> Floor,  
South Tower, NBCC Place,  
Bhishma Pitamah Marg,  
Lodhi Road,  
Institutional  
Area, New  
Delhi –  
110003

**Subject:** Declaration for not being under an ineligibility for corrupt or fraudulent practices or blacklisted with any of the Government or Public Sector Units or Local Governments in India

Dear Sir,

In response to the tender No. \_\_\_\_\_ Dated \_\_\_\_\_ for "<>", I/ We hereby declare that presently our Company/ Firm \_\_\_\_\_ is having unblemished record and is not declared ineligible for corrupt & fraudulent practices either indefinitely or for a particular period of time by any State/ Central Government/ PSU/Autonomous Body. We further declare that presently our Company/ firm \_\_\_\_\_ is not blacklisted and not declared ineligible for reasons other than corrupt & fraudulent practices by any State/ Central Government/ PSU/ Autonomous Body on the date of Bid Submission. If this declaration is found to be incorrect then without prejudice to any other action that may be taken, my/ our security may be forfeited in full and the tender if any to the extent accepted may be cancelled.

Thanking you,

Yours faithfully

(Signature of the Authorized signatory of the

Bidding Organization) Name :

Designation :

Date :

Company Seal :

Business Address :

# INDIAN PORTS ASSOCIATION

## APPENDIX-2

Dt. 04.07.2018

### METOCEAN DATA SPECIFICATIONS

#### METEOROLOGICAL SENSORS

- Meteorological sensor package for measurement of basic parameters like wind speed & direction, barometric pressure, air temperature, relative humidity and rain fall.
- Wind speed and direction measurement using latest ultrasonic principle with no moving parts. Wind speed measurement range of 0 to 60 m/s (116 knots) with accuracy of  $\pm 2\%$  and resolution of 0.01 m/s. Wind direction measurement range of 0 to 360° with accuracy of  $\pm 2^\circ$  and resolution of 1°.
- Barometric pressure sensor with temperature compensated from -10°C to +60°C and provided with a factory calibrated certificate for the measurement range of 600 to 1100 hPa, accuracy of  $\pm 0.3$  hPa and long-term stability of  $\pm 0.2$  hPa per year.
- Air temperature sensor with measurement range of -10°C to +70 °C with accuracy of  $\pm 0.1^\circ$
- Relative humidity sensor with measurement range of 0 to 100% RH with accuracy of  $\pm 1\%$  RH and long-term stability of  $\pm 1\%$  per year.
- Rain Gauge sensor based on proven tipping bucket mechanism having aperture of minimum 200 cm<sup>2</sup> with sensitivity of 0.2 mm.

#### DATALOGGER

- The metocean station datalogger should be based on an open Linux architecture to support future addition of sensors.
- Datalogger should be based on minimum 32 bit processor and with internal Flash as well as SRAM memory with real time clock backed by long life lithium battery.
- In addition to internal memory, the Datalogger should also have external memory based on standard SD card of min. 2 GB capacity for redundancy and back-up of all the station data including raw wave data and current profiles.
- Datalogger should have built-in touchscreen graphical display for supporting on-site previewing of measured parameters and system configuration without any additional external devices.
- The datalogger should provide full remote maintenance functionality including automatic and/or on-demand download of missing data, two-way communications with remote maintenance of the station and sensors, as well as software/firmware upgrade.

#### SOLAR POWER PACK

- The metocean station should be capable for autonomous operation through solar power and should include all necessary accessories like solar charger, overvoltage protection, and back-up batteries.
- The solar charger should be intelligent with built-in microprocessor and LCD display for actual status, battery management and reporting health of power package to the port office.
- The solar power pack is to include a temperature sensor for measuring battery temperature and forwarding alerts to the port office.
- The charger should include a power supply for connection to external AC mains power or DC power sources

## **DATA TELEMETRY**

- The metocean station should be capable of multi-mode data telemetry. The primary data telemetry should be through radio and with redundant back-up communication through GPRS through built-in Quad band GSM/GPRS modem.
- The station should be capable of data transmission as well as sending text messages about station health & diagnostics.
- Data should be encrypted before transmission over public GPRS network.

## **FIELD TERMINAL FOR STATION SERVICE & MAINTENANCE**

- The metocean system should be supplied with a tablet PC with rugged case with dedicated software for service and maintenance of the monitoring stations.
- The communication between the field terminal and station should be through multiple interfaces like USB, WiFi, GSM/GPRS, and Bluetooth.
- The station service software should enable an operator to gain full control of the station to perform tasks like station configuration, display and transfer files from the station, calibrate the sensors, perform firmware updates.

## **Display Screens**

- Three screens of 32" are required at UKC centre to display port & UKC status , Met ocean conditions and transits for vessels.

