

कोचीन शिपयार्ड लिमिटेड/COCHIN SHIPYARD LIMITED  
कोच्ची/COCHIN - 682 015

पोत निर्माण प्रभाग/SHIP BUILDING DIVISION

आउटसोर्सिंग विभाग  
OUTSOURCING DEPARTMENT



INVITES

अभिरुचि की अभिव्यक्ति (ईओआई)  
**EXPRESSION OF INTEREST (EOI)**

FOR

**EXECUTION OF OUTFIT WORKS (MECHANICAL AND ELECTRICAL  
OUTFIT WORKS) IN NEW BUILD COMMISSIONING SERVICE  
OPERATION VESSELS ON TURNKEY BASIS  
AT COCHIN SHIPYARD LTD.**

**EOI NO. SB-OSD/OF/821/2023 Dtd. 29-11-2023**

**NOVEMBER - 2023**

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## अभिरुचि की अभिव्यक्ति / EXPRESSION OF INTEREST (EOI)

### FOR EXECUTION OF OUTFIT WORKS (MECHANICAL OUTFIT WORKS AND ELECTRICAL OUTFIT WORKS) IN NEW BUILD COMMISSIONING SERVICE OPERATION VESSELS ON TURNKEY BASIS AT COCHIN SHIPYARD LTD.

#### **1. कंपनी प्रोफाइल/ COMPANY PROFILE**

Cochin Shipyard Limited (CSL) was incorporated in the year 1972 as a fully owned Government of India Company. Presently, the Government of India holds 72.86% of equity share capital in the Company. In the last five decades, the company has emerged as a forerunner in the Indian shipbuilding & ship repair industry and also a well known player on the global shipbuilding front.

The Company has built and delivered the prestigious Indigenous Aircraft Carrier for the Indian Navy and has built & repaired some of the largest ships in India. Over the years, CSL has successfully responded to fluctuations in the shipbuilding requirements of the markets and has evolved from building bulk carriers to smaller and more technically sophisticated vessels such as Platform Supply Vessels (PSV) and Anchor Handling Tug Supply Vessels (AHTS).

CSL has worked with several leading technology firms in the industry including Rolls Royce Marine (Norway), GTT (France), Vard group (Norway) etc. CSL has exported 47 vessels to some of the most demanding clients in Norway, Netherlands, Cyprus, USA, Germany, Denmark/Bahamas, Saudi Arabia and UAE. This has international market. Our key shipbuilding clients on the domestic front include the Indian Navy, the Indian Coast guard, Ministry of Home Affairs, the shipping Corporation of India Limited, Lakshadweep Government, various Port Trusts, Inland Waterways Authority of India (IWAI), A&N Administration, Directorate General of Lighthouses and Lightships (DGLL) AND Jindal Steel Works (JSW) group. CSL has also undertaken repairs of various types of vessels including up gradation of ships of the oil exploration industry as well as periodical maintenance, repairs and life extension of ships. CSL is presently one of the best performing shipyards in India.

CSL has recently geographically expanded its footprints across the western and eastern coast of India. Ship repair facilities have set up at Mumbai, Kolkata and Portblair. Also, CSLs wholly owned subsidiary base set up at Udupi and Hoogly.

CSL is in the process of setting up a New Dry-dock and setting up an international ship repair facility at Wellington Island, Kochi with a ship lift and six transfer bays. The New Dry-dock measuring 310\*75/60\*13m with a 600T Gantry crane will be capable of handling vessels upto Suezmax, Aircraft Carriers of 70000T displacement, Jack-up rigs, LNG vessels etc.

## **2. ईओआई का परिचय और उद्देश्य / INTRODUCTION & OBJECTIVE OF EOI**

- 2.1. Cochin Shipyard Limited (CSL) is a premier Ship Building & Ship Repair company under Ministry of Shipping, Government of India incorporated in the year 1972. CSL has signed a contract for building two Commissioning Support Operation Vessel (CSOV) Ships in Kochi. CSL is looking for experienced and capable contractors for executing Outfit works in these vessels on turnkey basis. This endeavor encompasses a diverse range of activities, including pipe outfitting, structural outfitting, machinery installation, electrical outfitting and commissioning. We are reaching out to firms that are proficient and well-equipped to contribute their expertise and capabilities to ensure the successful execution of this project.
- 2.2. This Expression of Interest (EOI) is for the short listing of capable and experienced Contractors/ Firms for executing Outfit Works (Mechanical Outfit Works and Electrical Outfit Works) in Commissioning Support Operation Vessel (CSOV) Ships on turnkey basis. Final selection will be done through competitive tendering process by inviting bids only from qualified and short listed Bidders who had participated in the present EOI.

## **3. जहाज निर्माण परियोजना कमीशनिंग सहायता संचालन पोत (सीएसओवी) विवरण / SHIP BUILDING PROJECT COMMISSIONING SUPPORT OPERATION VESSEL (CSOV) DETAILS**

These vessels shall be constructed for commissioning / servicing of Wind Farms & owned by Windfinity Maritime Co. Ltd.(BY 151) and Wind light Maritime Co. Ltd. (BY152) situated on Marshall Islands, designed by Kongsberg (UT-Design type, UT 5519 HL), Situated in Alesund, Norway. The vessel will be a methanol based dual fuel electric hybrid vessel having dynamic positioning capabilities using 5 various types of thrusters.

### 3.1. THE PRIMARY DUTIES OF THE VESSEL ARE

- a) Accommodation for wind farm technicians/service personnel
- b) Transfer of technicians/service personnel to and from wind farm installations
- c) Carry spares and tools for wind farm service operations
- d) Provide workshop facilities for technicians/service personnel

### 3.2. PRINCIPAL PARTICULARS

- |   |           |
|---|-----------|
| a) LENGTH O.A (Excl. Boat landing), Approx. | : 92.10 M |
| b) LENGTH O.A (Incl. Boat landing), Approx. | : 93.40 M |
| c) LENGTH BETWEEN P.P.                      | : 83.10 M |
| d) BREADTH MLD                              | : 19.60 M |
| e) BREADTH OVER BRIDGE WINGS, Approx.       | : 22.40 M |
| f) DEPTH FREEBOARD DECK (from baseline)     | : 7.50 M  |
| g) DESIGN DRAUGHT                           | : 5.00 M  |
| h) MAX. DRAUGHT, Approx.                    | : 5.50 M  |

### 3.3. PROJECT TIMELINES

MASTER CONSTRUCTION SCHEDULE - CSOV PROJECT																																	
SL NO.	VESSEL	2022					2023						2024						2025														
		Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov			
1	BY 151					02 Nov CC'								01 Sep F				14 Mar K									13 Aug L					01 May D	
2	BY 152					CC'								01 Sep F													22 Aug K			21 Jan L			01 Oct D

C CONTRACT SIGNING

C' CONTRACT EFFECTIVE

F FABRICATION START

K KEEL LAY

L LAUNCHING

D CONTRACTUAL DELIVERY

#### 4. कार्य क्षेत्र / SCOPE OF WORK

##### 4.1. MACHINERY OUTFIT (MOF)

##### 4.1.1. MACHINERY OUTFITTING DATA (APPROX.) PER SHIP

- Machinery equipment weight – 1000 tons
- Weight of pipe & structural items – 400 tons
- Total No of Pipe Pieces with pipe supports – 8000 approx
- Total No of Piping Systems – 27

##### 4.1.2. MAJOR EQUIPMENTS

Major Equipment's/System	Remarks
Main Generator sets (3 Nos)	Medium speed main generator sets of approx. 1980 bkW @ 900 rpm
Azimuth thruster Aft (2 Nos)	360° steerable propulsion unit, Input Power – 2000 kW, Propeller dia – 2600 mm (Ducted), Propeller speed – 185 rpm
Tunnel Thrusters forward (2Nos)	Input Power – 1600 kW, Propeller dia – 2000 mm , Propeller speed – 280 rpm
Swing type Azimuth thruster (fwd)	Input Power – 1500 kW, Propeller dia – 1800 mm , Propeller speed – 257 rpm
Offshore Crane & Passenger Lift	Type – Knuckle boom, Rotation – 360 deg, Slewing Speed – 0 to 1 rpm, Boom rest position - Fwd
Main winch & Auxiliary Winch	Main Winch – 25 tons, Auxiliary Winch – 3 to 10 tons
Motion compensated gangway system	Gangway system is fitted with a crane and shall be operated by Electrical winch system/Electro Hydraulic Winch system.
Anchoring, mooring and towing equipment Hydraulic doors Water tight doors and platforms Boat Davits	Two stockless anchors having total length (2 chains) of 550 m, Two off roller type Chain stoppers, 10t electrically driven mooring winch
Emergency Generator Set	265 bkW @ 1800 rpm

#### **4.1.3. PIPING SYSTEMS**

SW Cooling	Ballast System
FW Cooling	Bilge System
Fuel Oil	Sludge System
Inert Gas System	Drain System
Methanol Fuel System	Fire/Deck Washing
Lube Oil System	Water Mist System
Hydraulic Oil	Heating Coil in Tanks
Starting Air System	Tank Vent/Overflow
Working Air System	Manual Tank Sounding Pipes
Instrument Air System	HP Hydraulic
Exhaust Gas System	Central Heating with Water
Urea System	Sanitary SW (For FW Production)
FW Sanitary Supply / Hydrophore System	Hot Water heating coils in tanks
Sanitary Discharge (Grey Water & Black Water)	

#### **4.1.4. PIPE OUTFITTING**

- Collection of pipes and accessories from Shop/Stores and shifting on board, based on the Material List of Fittings (MLF).
- Installation of pipes and accessories on board/in block as per the fitting plan issued by the Design department.
- Conducting Layout & MLF surveys based on fitting plans, to be reviewed by QC/Class/Owner.
- Performing pressure testing as per required test pressures specified in the pipe schedule. Reports to be provided to QC/Class/Owner.
- Flushing piping systems to meet approved flushing procedures. Reports to be submitted to QC/Class/Owner.

#### **4.1.5. STRUCTURAL OUTFITTING**

- a) Collecting structural accessories from Shop/Stores and transferring them on board, based on the Material List of Fittings (MLF).
- b) Fitting foundations/seats in block/on board as per the fitting plan provided by the Design department.
- c) Carrying out Fit-up Surveys based on the fitting plan, with submissions to QC/Class/Owner.
- d) Conducting load testing of rails/hooks and other applicable components, with results submitted to QC/Class/Owner.
- e) Drilling and tapping of screws/bolts for finishing.

#### **4.1.6. MACHINERY OUTFITTING**

- a) Collecting machinery and accessory items from Stores and transferring them on board, based on the Material List of Fittings (MLF).
- b) Verifying foundations and installing machineries/equipment as per the fitting plan issued by the Design department.
- c) Conducting Fit-up Surveys, including torque tightening, with submissions to QC/Class/Owner.
- d) Installation of major machineries like propulsion set, generators, thrusters, steering gear, pumps, etc.
- e) Alignment, installation, and commissioning of propulsion-related components, including shaft sighting, propeller installation, shaft alignment, underwater structural items, etc.

#### **4.1.7. COMMISSIONING ACTIVITIES**

- a) Carrying out final commissioning of all equipment, meeting the satisfaction of the Owner/Class Surveyors.
- b) Assisting OEM representatives, QC, and Class Surveyors during commissioning, load testing and trials.
- c) Conducting basin trials and sea trials to ensure the operational efficiency of all systems.
- d) Final delivery.



## 4.2. ELECTRICAL OUTFIT (EOF)

### 4.2.1. ELECTRICAL OUTFITTING DATA (APPROX.) PER SHIP

- Cable rack, cable hangers, flat bars and saddles - 25540 nos.
- Estimated MCT's - 305 nos.
- Estimated cable length – 240000 m
- Equipment weight - 294.44 T

### 4.2.2. STRUCTURAL OUTFITTING EOF

#### a) CABLE DETAILS

Description	Quantity	Cable OD	Quantity
Cable Rack & Hangers	6540 Nos.	Up to 15 mm	201462 m
Flat bar	11200 Nos.	15 to 25 mm	24166 m
Cable Saddles	7800 Nos.	25 to 35 mm	4932 m
Equipment Seats	16370 kg	35 mm And Above	9438 m

#### b) MCT DETAILS

Type	Quantity	Type	Quantity
S4X1	5	S6X4	11
S6+6	26	S8X1	18
S6X1	60	S8X2	26
S6X2	91	S8X3	11
S6X3	46	S8X4	11

#### 4.2.3. WEIGHT DETAILS

Type	Weight (T)
Navigation & Searching Equipment	2.43
Communication Equipment	3.54
Frequency Converter, AHU, Heat Exchangers & Control	9.97
Converter Cabinets, Control & Supply Units	0.5
Transmissions, Power Units, Pumps, Starter Etc	4.8
Common Electrical EI Systems	83.34
Electrical Motors & Transformers	25.17
Battery Racks	35.4
Main Switch Boards	30.93
440/230 Emergency Switch Boards	1.36
Electrical Distribution Systems	10
Electrical Installations	87
<b>Total</b>	<b>294.44 T</b>

#### 4.2.4. MAJOR EOF EQUIPMENT

Equipment	Quantity
Generator 1900ekW/900rpm	3
Energy storage battery 720-1000VDC, 450kWh	6
Transformer (T4) 380 -700/660V,50/60hz(600kva)	1
Gangway System 1000Vdc	2
Main Propulsion Thruster 2000kW 690V	2
Tunnel Thruster 1600kw 690V	2
Transformer 690/440 V 60Hz(1200kWA)	3
FWD Azimuth Thruster 1500kW 690V	1
Emergency Transformer 440/230V 99kVA	2
Emergency Generator set 250ekW 440V 60Hz	1
Transformer 440/400/230V 100kVA 50Hz	1
Transformer 440/230V 99kVA	4
Transformer 440/230V 150kVA	3
Transformer 440/230V 60kVA	2

#### **4.2.5. STRUCTURAL OUTFITTING IN EOF**

- a) Collection of Cable Ways, cable way supports, MCT's and equipment seats from Shop/Stores and Shifting on-board (Based on MLF, Fabrication Drawing issued by CSL Design)
- b) Installation of structural items on-board/ on block (In accordance to fitting plan issued by CSL Design)
- c) After welding inspection based on fitting plan – To be offered to QC/Class/Owner (whichever applicable)

#### **4.2.6. CABLE LAYING**

- a) Collection of cables, cable ties, MCT's and modules from CSL Stores and Shifting on-board (Based on MLF issued by CSL Design)
- b) Laying of cables and MCT packing (In accordance to cable schedule and wiring diagram issued by CSL Design)
- c) Compartment wise cable laying survey – To be offered to QC/Class/Owner (as applicable)
- d) Air leak test of MCT's post completion of MCT packing - To be offered to QC/Class/Owner (as applicable)

#### **4.2.7. EOF INSTALLATION AND COMMISSIONING**

- a) Collection of electrical equipment from CSL Stores and shifting on-board (Based on MLF issued by CSL Design)
- b) Installation of equipment (In accordance to yard plans issued by CSL Design)
- c) Termination of electrical cables as per connection diagram issued by CSL design
- d) Commissioning / commissioning assistance of various systems
- e) Offering all electrical systems for official surveys which includes DG load trials, SRT survey, HAT and SAT of all equipment (To Owner/ Class)

#### **4.3. DETAILED SCOPE OF WORK**

- a) Fitment of all pipes & accessories, structural items, erection of all equipment's including drilling in equipment foundations etc.
- b) Commissioning & load trials of equipment's/systems, conducting basin trials and sea trials with assistance from OEM reps.
- c) Material movement & accounting for the items issued.
- d) Providing sufficient protection of the installed items as per Yard directives.

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- e) All tools and tackles required for the work are under the scope of the sub-contractor and needs to comply with the safety rules and regulation of CSL.
- f) Minor staging up to 3m height shall be erected by the contractor for the work using CSL material without any separate payment. Any requirement over and above this shall be arranged by CSL separately.
- g) Removal and refit of pipes for hull works, equipment erection, commissioning activities etc. to be done without extra cost.
- h) The Contractor is to ensure proper cleanliness all around his work area while working on board ship.
- i) Fixing name plates by riveting on valves and equipment as per the schematic plan (P & I drawing) – Name plates will be provided by CSL.
- j) Survey/HAT presentation to Yard I&QC, Owners and Class authorities as per yard practices.
- k) Rectification of defects as per the comments from Yard I&QC, Owners & Class authorities.
- l) Installation of complete cable way (MCT's, Flat bars, cable trays/saddles, cable conduit pipes, Goose necks etc) including all connected hot works & dry survey required for satisfactory completion of installation works.
- m) Installation of seats for entire Electrical equipment/systems including all connected hot works for instrumentation works, which are mentioned in the Drawing/MLF/BOM issued by Electrical Outfit Design, are under the scope of contractor. If there are seats that require drilling on-site, this falls under the sub-contractor's responsibility. Hot works in connection with instrumentation works like fitting seats & brass clamps for Gauge Boards and Transmitters, which are not mentioned in the Drawing/MLF/BOM issued by Electrical Outfit Design, will be in contractor's scope.
- n) CSL shall supply the required number of pads for cable trays & fitting seats and contractor has to fit the same while welding trays/ equipments to tanks & bulkheads/deck (exposed to weather) as per installation drawings and Electrical Outfit Standard Practices issued by CSL Design Department for the project.
- o) Welding of earth bolts where ever required is under the scope of the sub-contractor.
- p) Contractor has to undertake the primer touch up (after grinding) in the weld/cut area.
- q) Any minor modification in the cable way or equipment seat required for the execution of the job shall be done by the subcontractor.

- r) Fixing of Name Tags for equipment and cables. Sleeve printing and fixing on cables and cable cores are also under the scope of sub-contractor. Sleeve printer and other accessories are to be arranged by sub-contractor. Materials required for Cable ID tag like, nylon cable tie, PVC ferrule and PVC strip are under the scope of sub-contractor.
- s) Materials required for the marking of cable cores like core ferrules are under the scope of sub-contractor.
- t) Temporary cable ties required for the dressing of cables are in the scope of sub-contractor.
- u) Laying of Shore charging cables and cable termination at both ends will be under subcontractor scope. Connection & Disconnection and relaying of shore cables at the time of vessel movements are under the scope of sub-contractor.

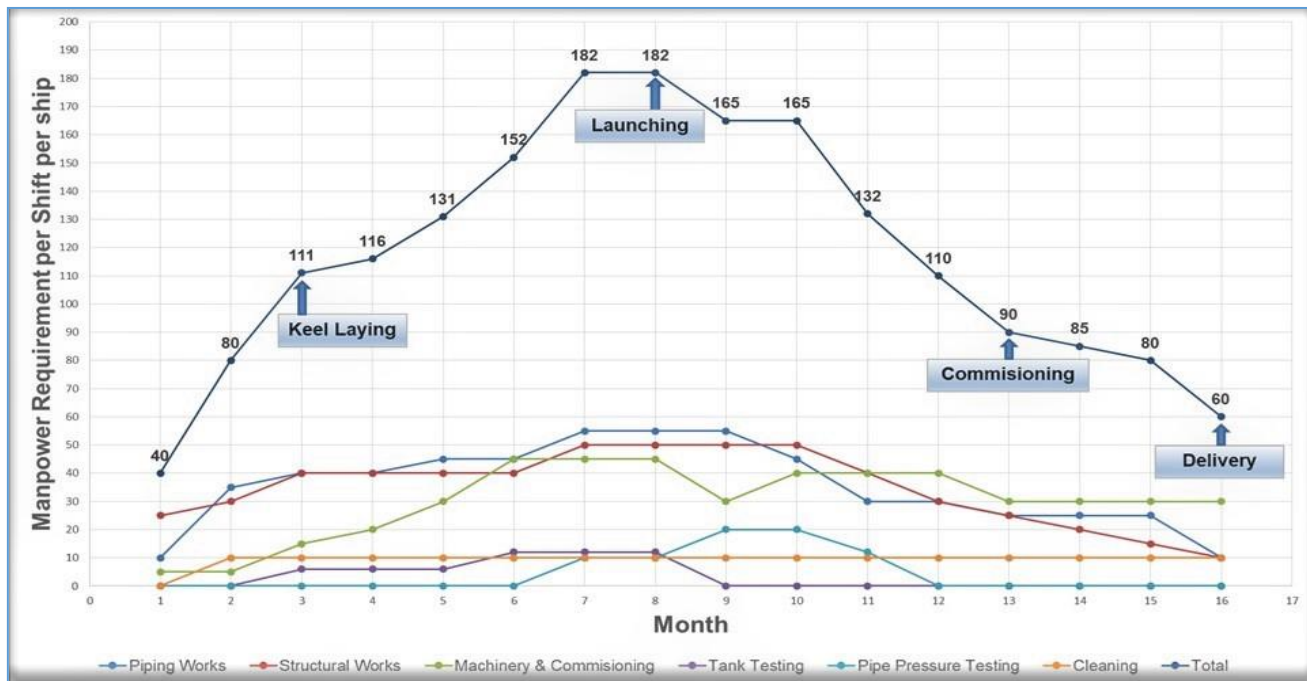
## 5. जनशक्ति की आवश्यकता (अनुमान) / MANPOWER REQUIREMENT (ESTIMATE)

### 5.1. PROJECT TEAM

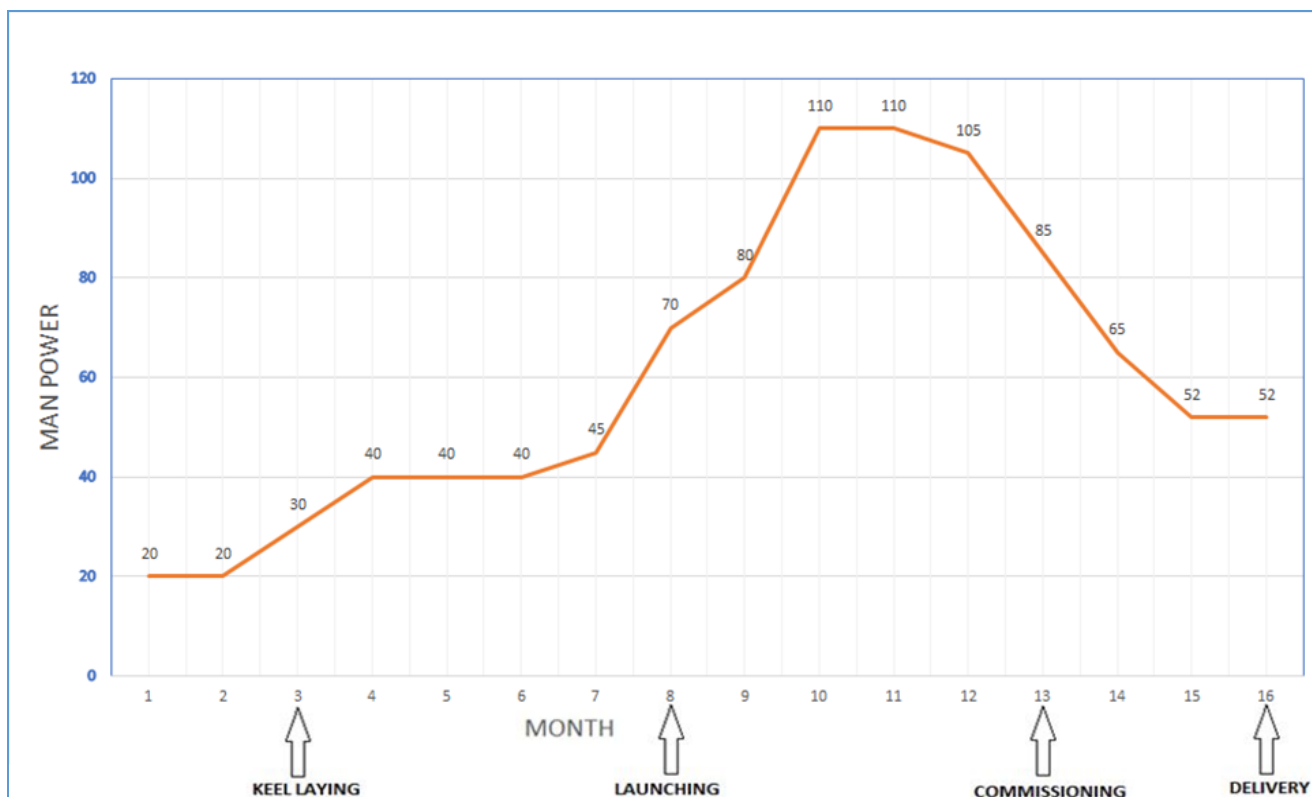
Project team comprises of the following:

		Project Manager	1		
		Safety Officer	2		
Project Engineers (MOF)	5			Project Engineers (EOF)	4
Supervisors (MOF)	8			Supervisors (EOF)	6
Workmen (MOF)	80-182			Workmen (EOF)	20 - 110

## 5.2. WORKMEN REQUIREMENT PER SHIFT PER SHIP (MOF)



## 5.3. WORKMEN REQUIREMENT PER SHIFT PER SHIP (EOF)



#### 5.4. NOTES

- a) The above manpower requirement is indicative only & the same may vary based on the quantum of work.
- b) Project Manager & Project Engineer should have a minimum qualification of B Tech.
- c) The workmen requirement projected for MOF per shift for one ship ranges from 80 – 182 and for EOF ranges from 20 – 110, which will vary based on the phase of outfitting. An indicative split up of the same is detailed above.
- d) The requirement projected is for one ship only. Outfitting of second ship can commence 4th/5th month after the commencement of first ship. Hence manpower needs to be augmented accordingly.

#### 6. आपूर्ति का सीएसएल क्षेत्र / CSL SCOPE OF SUPPLY

- 6.1. The foundations for the following equipment's will be the part of hull structure and hence welding of the same will be undertaken by CSL (Foundation holes drilling as well as equipment installation has to be done by sub-contractor) :
  - 6.1.1. Main Generator Sets
  - 6.1.2. Tunnel Thrusters
  - 6.1.3. Cranes & Motion Compensated Gangway System
- 6.2. There will be machining requirements in the flanges prior to installation of Azimuth thrusters & swing type azimuth thrusters. Machining team for the same will be arranged by CSL (at CSL cost), however work has to be coordinated & supervised by subcontractor.
- 6.3. Consumables required for commissioning of the systems / equipment's like Diesel for Generators, lube oils, hydraulic oils etc will be provided by CSL. However collection of same from designated places, shifting on-board and filling in the respective systems will have to be undertaken by subcontractor.
- 6.4. SIVs (Store issue Voucher) for collecting the items from stores/shop will be given by CSL officer in charge.
- 6.5. The design & supply of materials under the mentioned scope of work.
- 6.6. Providing the MLF, Yard plan, pipe support drawing, key plan, cable schedule, wiring diagram, connection diagram and CSL quality Standards etc.
- 6.7. Fabrication of Cable tray supports, pads, cable coamings and Equipment seats are under CSL scope.



- 6.8. Power supply, Water, compressed air (at available pressure) and cutting gases at centralized points.
- 6.9. Consumables (welding rods & shielding gas only) will be supplied by CSL.
- 6.10. Services of CSL cranes and forklifts will be provided subject to availability.
- 6.11. Required space inside the Yard (as on available area)
- 6.12. Power and water supply to office space / container / room, at free of cost.
- 6.13. Estimated quantities of paints, thinner and primer for undertaking paint touch up of weld joints.
- 6.14. Necessary items like fire cloth, polythene/silpaulin sheets, Bubble sheets etc. required for protection of equipment.
- 6.15. Staging above 3m height.
- 6.16. Load testing of all generators are under CSL scope. Load bank shall be arranged by CSL. Laying of Load Testing cables and it's termination at both ends to be done by contractor
- 6.17. Arranging QC/ Owner for inspection and survey.

## **7. पात्रता मानदंड / QUALIFICATION CRITERIA**

The Firm should qualify the following PQ Criteria.

### **7.1. GENERAL**

- 7.1.1. The Bidder shall be Single Firm or Consortium / Joint venture of maximum two companies.
- 7.1.2. Bidder should have minimum 5 year experience in Ship Building Mechanical Outfit works and Electrical Outfit Works in the preceding 15 years from 01 Dec 2023. Proof of experience in this regard to be submitted.
- 7.1.3. The Bidder shall be a Single firm or a consortium with members having varied specializations but clearly defined roles.
- 7.1.4. In the case of JV, Joint venture Company should meet all PQ criteria as per this tender. Technical/Commercial capacity of each firms who are in JV will not be considered separately. Techno-commercial capacity of JV firm from its date of incorporation only will be considered for determining eligibility.
- 7.1.5. In the case of Consortium, Please refer Clause No.7.2 & 7.3. Sole responsibility of contract execution will be lies with lead partner.
- 7.1.6. The firm should have valid PAN and GSTIN and details of PAN / GST Registration



Number and current valid Tax Clearance Certificate shall be submitted along with this EOI.

- 7.1.7. Firm shall not be under a declaration of ineligibility issued by Govt. of India/ State govt. / Public Sector Undertakings etc. The firm shall not have been debarred / black listed by CSL or by any of the Public Sector Undertaking or Government department etc.
- 7.1.8. All statutory requirements including labour license / ESI / EPF / Insurance of employees etc shall be the responsibility of contractor/ firms.
- 7.1.9. RIGHT TO VERIFICATION: CSL has the right to verify the authenticity of firm/ documents submitted by them and/or inspect the facilities if felt necessary. Based on this CSL reserves the right to accept and reject any and all bids, which in its opinion, appears to be most advantageous to CSL.

**NOTE:** In case a consortium is submitting the EOI, technically competent and prominent firm in the consortium should act as lead partner. Lead member and consortium partner shall meet the above mentioned criteria.

## 7.2. TECHNICAL EXPERIENCE

- 7.2.1. In case of Single Bidder, Bidder should have experience in Mechanical Outfit works which includes piping works, outfit structural works, equipment installation works and Electrical outfit works which includes cable laying, cable termination, equipment installation works in New build ships.
- 7.2.2. In case a consortium is submitting a tender a technically competent and prominent firm who has experience either in Mechanical Outfit works or in Electrical Outfit works should act as lead partner. If the lead partner has experience in Mechanical Outfit works then Consortium partner should have experience in Electrical Outfit works and vice versa. Bidder or Lead partner shall submit Work Order copies from Shipyards for proving the experience as mentioned above
- 7.2.3. In line with these experience criteria, the firm shall submit the Notary vetted copy of Purchase Order (PO) or Work order (WO) along with Completion Certificate/ relevant invoices against work order are to be submitted. CSL reserves the right to obtain clarifications or confirmations from the clients listed by the Bidder in their previous experience record.
- 7.2.4. In addition to the above, the Bidder should qualify either of the following criteria (a) or (b) and (c) or (d) .

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- a) Bidder should have prior experience in the execution of total Electrical Outfit works (Installation of Equipment, Cable laying and Termination) in ships, against a single work order for which the total cabling quantity should be minimum 50 km. The firm has to submit the documents which validate the above-mentioned experience requirement.
- b) The Bidder should have prior experience in the execution of total Electrical Outfit Works (Installation of Equipment, Cable laying and Termination) in ships, corresponding to a Work Order value of Rs. 30,00,000/- (INR Thirty Lakhs) or above against a single work order. The firm has to submit the documents which validate the above-mentioned experience requirement.
- c) The Bidder should have prior experience in Mechanical Outfitting Works, including the installation and pressure testing of piping systems involving a minimum of 2000 pipes & outfit structural works of at least 20 tons such as equipment foundations, ladders, manhole covers, and chequered plates of in ships within the last two years. The firm is required to submit documented evidence validating the aforementioned experience.
- d) The bidder should have experience in execution of outfit mechanical jobs (Pipe / Structural / equipment installation) for a value of minimum Rs 30, 00,000 in a single ship. The firm is required to submit documented evidence validating the aforementioned experience requirements.

7.2.5. The Firm should furnish the required work specific information and documentary evidence on works completed satisfactorily, along with copies of such work orders / list of skilled workmen & welders and any other relevant document to support the claim of experience.

7.2.6. The firm has to submit the documents, which validates the above mentioned requirements. CSL reserves the right to demand for a hardcopy of any of the above documents and any other related documents, if required. Firms shall comply with the same.

### **7.3. FINANCIAL CAPABILITY**

7.3.1. The Bidder shall have average annual turnover equivalent to Rs. 3.0 Crores (INR) for the last three years ending on 31<sup>st</sup> March 2023.

7.3.2. In case of a consortium, the lead partner shall meet 100% of above mentioned annual turnover in the past three fiscal years and remaining member in consortium shall meet

50% in the past three fiscal years.

7.3.3. Single bidder or Consortium partner or JV should have positive net worth.

7.3.4. The Bidder shall enclose a certificate issued by its Statutory Auditors with their seal and signature, stating its turnover and Net worth for the last three years ending on 31<sup>st</sup> March 2023 along with the bid. Certificate shall be as per the format enclosed at Annexure-3.

7.3.5. The Single bidder or Consortium Bidder (Lead Partner and Consortium Partner) should meet both the technical and financial criteria mentioned. Entire responsibility (Technical & Commercial) of this project will be with the Single Bidder or the lead partner irrespective of the consortium agreement.

## 8. हितों का संघर्ष / CONFLICT OF INTEREST

CSL- requires that the firm must provide professional, objective & impartial service and at all times hold the interest of the Company paramount, strictly avoid conflicts with other assigned jobs or their own corporate interests. In case the applicants have any subsisting interest, either by themselves or through their partners, that is likely to conflict the work specified in the requirements, they shall declare such interests as part of their proposal.

## 9. प्रस्ताव स्वीकार करने का अधिकार / RIGHT TO ACCEPT PROPOSAL

CSL- reserves the right to modify, expand, restrict, scrap this EoI proposal or reject Expression of Interest without assigning any reason at any stage.

## 10. स्पष्टीकरण / CLARIFICATIONS

During evaluation stage of the Expression of Interests, CSL may, at its discretion, ask bidders for clarifications on their proposal. The bidders are required to respond within the time frame prescribed by CSL. CSL reserves the right to make inquiries with any of the bidder's clients.

## 11. साइट का दौरा / SITE VISIT

The applicants are advised to visit the site at Cochin Shipyard, Kochi where the Outfitting production activities will take place and familiarize themselves with the site before submitting the proposal at their cost.

## **12. भाषा / LANGUAGE**

The proposal and all associated correspondences shall be in English. All supporting document or printed literature submitted along with the offer shall also be in English. Supporting documents, which are not translated to English, will not be considered for pre-qualification.

## **13. मूल्यांकन / EVALUATION**

The offer will be examined on the basis of response to qualification criteria & scope of work defined by CSL. If required, applicants may be invited to make a presentation to CSL to demonstrate their capabilities, experience, methodology etc. at a suitable date and time determined by CSL.

## **14. अयोग्यता / DISQUALIFICATION**

**14.1. CSL may at its sole discretion and at any time during the evaluation of proposal, disqualify any firm, if they have/are:**

- 14.1.2. Submitted the proposal documents after the response deadline.
- 14.1.3. Not submitted satisfactory documentary evidence and proof as required
- 14.1.4. Made misleading or false representations in the forms, statements and attachments submitted.
- 14.1.5. Submitted a proposal that is not accompanied by required documentation or is non-responsive.
- 14.1.6. Failed to produce clarifications related thereto, when sought.
- 14.1.7. Declared ineligible by Government of India/State Govt/Public Sector Undertaking.
- 14.1.8. Not meeting any of the stipulated eligibility criteria laid out.

**14.2. Even though the firms meet the qualification criteria, they are subject to be disqualified if CSL come to know during the evaluation stage:**

- 14.2.2. Made misleading or false representations in the forms, statements and attachments submitted in proof of the qualification requirements and or
- 14.2.3. Record of poor performance such as abandoning the works, not properly completing the contract, inordinate delays in completion of financial failures etc.

14.2.4. Information relating to the evaluation, clarification and recommendation for qualification is disclosed to firms or any other persons not officially concerned with such process until the qualification process is completed. Any effort by the firm to influence CSL process may result in rejection of this EOI.

## 15. संपर्क / COMMUNICATION

<p><b><u>For Commercial queries:</u></b> Mr. Madhu P K, AGM (Outsourcing) Mob No: 73566 04501 Email : <a href="mailto:madhu.pk@cochinshipyard.in">madhu.pk@cochinshipyard.in</a></p>	<p><b><u>For Technical queries:</u></b> Mr. Vinu Paul AGM (MOF -1) Mob No : 98957 04410 Email : <a href="mailto:vinu.paul@cochinshipyard.in">vinu.paul@cochinshipyard.in</a></p>
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## 16. अभिरुचि की अभिव्यक्ति प्रस्तुत करने का प्रपत्र / PROFORMA FOR SUBMISSION OF EXPRESSION OF INTEREST

- 16.1. Covering letter clearly indicating the firms interest in Execution of Outfit Works (Mechanical Outfit Works and Electrical Outfit Works) In New Build Commissioning Service Operation Vessels on Turnkey Basis At Cochin Shipyard Ltd. (Refer form attached at Annexure - B).
- 16.2. Basic Details of the mechanical and electrical Jobs with relevant documents substantiating the Qualification Criteria & Requirements to be met. Application for Qualification to be provided as per Annexure - C.
- 16.3. Power of Attorney as per Annexure - D.
- 16.4. Joint venture / consortium agreement, if applicable as per Annexure - E.
- 16.5. Company profile details to be provided as per Annexure - F Complete name of the firm with legal status, date of establishment and type of organization, whether individual (Organization chart to be provided), proprietorship, partnership, private limited company, public limited company etc.
- 16.6. Financial capability statement of the firm as per Annexure G.
- 16.7. Exact and complete corporate/registered/home & office address, business address, telephone numbers, Fax numbers, email and cable address. For firms with foreign registry, indicate any branch office(s) established in India with details in aforesaid manner.

- 16.8. If present firm is the successor to or outgrowth of one of the or more predecessors firms, fresh name(s) of former entity titles and year(s) of their original establishment with details in aforesaid manner.
- 16.9. Capabilities with respect to infrastructure facilities.
- 16.10. Approval / Quality certification / Registration with any Govt. Agency.
- 16.11. Technical Experience details as per Annexure - H with supporting documentary evidence.
- 16.12. Contact details of designated representative - List of not more than two (02) principals who may be contacted by the Office. Listed principals must be empowered to speak on behalf of the firm on policy and contractual matters.
- 16.13. Undertaking in the firm's letter head with seal stating that "Execution of Outfit Works (Mechanical Outfit Works and Electrical Outfit Works) In New Build Commissioning Service Operation Vessels on Turnkey Basis at Cochin Shipyard Ltd" so intended to be sold should be free of all encumbrances and not be under lien, attachment or hypothecation/mortgage to any third parties including banks/ Financial Institutions for any liability whatsoever."
- 16.14. All pages of the Request for EOI document, including amendments if any shall be duly signed and sealed by the authorized representative of the firm as a token of the acceptance of all the terms and conditions stated therein the document.
- 16.15. Deviations or suggestions, if any.

## **17. अभिरुचि की अभिव्यक्ति की प्रस्तुति / SUBMISSION OF EXPRESSION OF INTEREST**

- 17.1. EOI should be submitted in soft copy via E-mail only. CSL will not accept any other mode of EOI.
- 17.2. The subject of the E mail should clearly state the EOI number and due date of submission.
- 17.3. EOI Documents should be submitted in PDF Format and directly openable from the PDF format. Offers not complying with the above shall be summarily rejected without further intimation.
- 17.4. EOI shall be submitted via e mail to:

- (i) [jithu.gl@cochinshipyard.in](mailto:jithu.gl@cochinshipyard.in)
- (ii) [adarsh.s@cochinshipyard.in](mailto:adarsh.s@cochinshipyard.in)

Copy to:

- (ii) [madhu.pk@cochinshipyard.in](mailto:madhu.pk@cochinshipyard.in)
- (iii) [ajithkumar.n@cochinshipyard.in](mailto:ajithkumar.n@cochinshipyard.in)

## **18. क्षेत्राधिकार / JURISDICTION**

This invitation for EOI is subject to the Law of India, any dispute or difference on account of this EOI shall be subject to the Courts in Cochin, Kerala.

## **19. सामान्य परिस्थितियां / GENERAL CONDITIONS**

- 19.1. This request for Expression of Interest (EOI) is to shortlist Capable and experienced Outfitting contractors in Ship Building production activities for executing Outfit works in CSOV ships. After EOI Process, Limited Tender Enquiries will be sent only to the shortlisted bidders. Please be noted that EOI is fully under the discretion of CSL. Furtherance of EOI and finalization of scope of work in CSOV Vessels is fully under the right of CSL and participants of this EOI do not have any right to question the same.
- 19.2. CSL reserves the right to accept or reject any of the EOI without assigning any reason anytime or incurring any liabilities towards the firms. Submission of the EOI shall not automatically make the applicant eligible to receive the Limited Tender Enquiry (LTE).
- 19.3. CSL will treat the completed EOI forms as confidential. Materials submitted by the firms will not be returned.
- 19.4. All corrigendum, addendum, amendments and clarifications to the request for Expression of Interest will be hosted only in the website [www.cochinshipyard.com](http://www.cochinshipyard.com) and not published in the newspapers or any other media. Bidders shall keep themselves updated with all such developments till the last date and time of submission of EOI.

## **20. प्रस्ताव जमा करने की अंतिम तिथि / LAST DATE FOR SUBMISSION OF PROPOSAL**

- 20.1. The EOI shall be received at Cochin Shipyard Ltd on or before 15.00 Hrs on 19<sup>th</sup> December – 2023.
- 20.2. Late EOI with conditions will be summarily rejected.
- 20.3. CSL takes no responsibility for delay, loss or non-receipt of EOI sent by e-mail.



**21. अनुलग्नक और परिशिष्ट की सूची / LIST OF ANNEXURE & APPENDIX**

- i. Annexure - A - Conditions for Consortium Bids
- ii. Annexure - B - Format for letter of Submission
- iii. Annexure - C - Application for Pre-Qualification
- iv. Annexure - D - Power of Attorney
- v. Annexure - E - Joint Venture / Consortium Agreement
- vi. Annexure - F - Company Profile
- vii. Annexure - G - Format for letter of Submission
- viii. Annexure - H - Technical Experience



कृते उप महाप्रबंधक / For Deputy General Manager  
आउटसोर्सिंग विभाग / Outsourcing Department



**ANNEXURE - A**

**CONDITIONS FOR CONSORTIUM BIDS**

- 1) In view of the complexity of nature of work involved as covered by the EOI document, it is anticipated that some of the intending bidders may pool their resources to form Consortium. In their own interest the bidders are advised to investigate the capabilities, availability of expertise and resources such as experienced personnel, financial soundness, past experience and concurrent engagements of constituting partners/members of this consortium.
- 2) In the event that the successful bidder is a Consortium formed between maximum of two companies, CSL requires that the parties to the Consortium accept jointly and severally liabilities for discharging all obligations under the Contract.
- 3) In case of a Consortium, the lead member and consortium member should satisfy the financial capacity as mentioned at clause 7.3 of the Request for EOI.
- 4) The lead member of the Consortium can submit the offer on behalf of consortium of bidders. Memorandum of Understanding (MoU) between Consortium members duly signed by authorized representative of the consortium members must accompany the offer which shall clearly define role / scope of bid and shall clearly define the leader of consortium.
- 5) Memorandum of Understanding must also state that all the members of consortium shall be jointly and severally responsible for discharging all obligations under the Contract. MoU shall also incorporate the following:
  - i) The lead member of the Consortium on behalf of the consortium shall co-ordinate with company or with other specified agencies during the period of bid under evaluation as well as during the execution of work in the event work is awarded and he shall also be responsible for resolving disputes / misunderstanding / undefined activities, if any, amongst all the consortium members.
  - ii) Any correspondence exchanged with the lead member of consortium shall be binding on all the consortium members.
- 6) The offer may be signed by all members of the Consortium. Alternatively, the lead member may sign the bid. In such a case, the Power of Attorney from each

member authorizing the lead member for signing and submission of bid on behalf of individual member must accompany the offer. Other member of consortium may participate in techno-contractual discussions and sign the minutes of such discussions/meetings along with the leader.

- 7) Documents / details pertaining to qualification of bidder must be furnished (in English language) by each partner / member of consortium complete in all respects along with the EOI, clearly bringing out their experience especially in the work forming their scope.
- 8) Constitution of Consortium:  
If during the evaluation of bids, a consortium leader proposes any alterations / changes in the constitution of consortium or replacements or inclusion or expulsion of any partner(s), member(s) of the consortium which had originally submitted the offer, to derive some advantages / benefits based on any development(s) having come to his knowledge at any time, the bid of such a consortium shall be liable for rejection unless such a change is agreed to by CSL in writing after verifying documents of eligibility.
- 9) The lead member on behalf of the Consortium shall undertake full responsibility for timely completion of work and shall co-ordinate with CSL and specified agencies during the period the bid offer is under evaluation as well as during execution of work in the event the work is awarded. He shall also be responsible for resolving disputes / misunderstanding / undefined activities if any amongst all the consortium members.

**ANNEXURE - B**

**Format for letter of Submission  
(On Parent Company's Letter Head)**

(Date and Reference)

To

Chief General Manager (Ship Building)  
Cochin Shipyard Limited Perumanoor  
P.O  
Kochi 682015.

Dear Sir,

**Sub: Request for Expression Of interest For Execution of Outfit Works  
(Mechanical Outfit Works and Electrical Outfit Works) In New Build  
Commissioning Service Operation Vessels on Turnkey Basis At Cochin  
Shipyard Ltd,**

1. We,.....  
..... (Name of the Parent Company) hereby  
authorise.....  
..... (Name of Subsidiary Company/ Authorised representative), to prepare and  
submit the proposal in response to the CSL requirement for Execution of Outfit Works  
(Mechanical Outfit Works and Electrical Outfit Works) In New Build Commissioning Service  
Operation Vessels on Turnkey Basis At Cochin Shipyard Ltd.

2. If.....  
(Name of subsidiary company) is successful in meeting the requirements to the  
satisfaction of CSL,.....  
(Name of Parent Company) will provide full technical and financial assistance  
to.....  
(Name of subsidiary company) in order to perform the contractual obligations with Cochin  
Shipyard Ltd.

(Signature of the Authorised Representative)

(Name & designation of the Authorised



**ANNEXURE – C**

**APPLICATION FOR PRE-QUALIFICATION**

Letter of Expression of Interest  
(On Applicant's Letter head)

(Date and Reference)

To

Chief General Manager (Ship Building)  
Cochin Shipyard Limited  
Perumanoor PO  
Kochi - 682105

Dear Sir,

**Sub:- Expression of Interest (EOI) for Execution of Outfit Works (Mechanical Outfit Works and Electrical Outfit Works) In New Build Commissioning Service Operation Vessels on Turnkey Basis At Cochin Shipyard Ltd**

With reference to your Request for EOI referred above, We, (name of the applicant) having examined all relevant documents and understood their contents, hereby submit our Proposal for the short listing of contractors and state that:

1. All information provided in the Proposal and in the Appendices is true and correct.
2. We shall make available to CSL any additional information it may find necessary or require to supplement or authenticate the Proposal.
3. We are not under a declaration of ineligibility issued by Govt. of India / State govt. / Public Sector Undertakings.
4. We agree and undertake to abide by all the terms and conditions of the Request for EOI Document.

Thanking you,  
Yours faithfully,

(Signature of the Authorized Representative)  
(Name and designation of the Authorized Representative)  
(Name of the Applicant)



**ANNEXURE - D**

**POWER OF ATTORNEY**

*(On Applicant's (Lead firm's) letter head)*

(Date and Reference)

To  
Chief General Manager (Ship building)  
Cochin Shipyard Limited  
Perumanoor PO  
Kochi 682015

**Subject: Power of Attorney**

Mr. / Mrs. / Ms. .... (Name of the Person(s)), domiciled  
at

.....  
..... (Address), acting as.....  
(Designation and name of the company), and whose signature is attested below, is  
hereby appointed as the Authorized Representative and authorized on behalf of  
..... (Name of the company) to  
provide information and respond to enquiries etc. as may be required by the Employer  
for the project of ..... (Project title) and is hereby  
further authorized to sign and file relevant documents in respect of the above.

(Attested signature of Mr. ....)

For.....

(Name & designation)

(Company Seal)



**ANNEXURE - E**

**JOINT VENTURE / CONSORTIUM AGREEMENT**

**JOINT VENTURE / CONSORTIUM AGREEMENT**

This Joint Venture / Consortium Agreement is made at ..... on ... day of 2018 between M/s (Please indicate the status viz. Proprietor, Firm, Company) Represented through its authorized representative (hereinafter referred to as "First Party") and M/s..... (Please indicate the status viz. Proprietor, Firm, Company) represented through its authorized representative, (hereinafter referred to as "Second Party").

WHEREAS the First Party is engaged in the business of

.....

..... AND WHEREAS THE Second Party is engaged in the business of

.....

..... AND WHEREAS both the parties are desirous of entering into a Joint Venture / Consortium Agreement for carrying on the work of Cochin Shipyard Limited (The Employer) in connection with the work of ..... (Project title) herein referred to as the "subject works". AND WHEREAS the First Party and Second Party have agreed to form of Joint Venture / Consortium Agreement for execution of subject works.

NOW THIS DEED WITNESSED AS UNDER:

1. That under this Joint Venture / Consortium Agreement the work will be done jointly by the first party and second party.
2. It is further agreed by the Joint Venture / Consortium Partners that M/s.....who meets CSL post-qualification criteria, has been nominated as Lead Partner for the execution of the works.
3. That all the parties shall be liable jointly and severally for the satisfactory execution of the contract in all respects in accordance with terms and conditions of the contract and the lead partner shall be authorized to incur liabilities and receive instructions for and on behalf of any and all the partners and parties of the Joint Venture / Consortium. The lead member on behalf of the Consortium shall undertake full responsibility for timely completion of work and shall co-ordinate with CSL and specified agencies during the period, the bid offer is under

evaluation as well as during execution of work in the event the work is awarded. He shall also be responsible for resolving disputes / mis-understanding / undefined activities if any amongst all the consortium members.

**4. THE PROPOSED PARTICIPATION SCOPE OF ACTIVITIES TO BE PERFORMED AND RESPONSIBILITIES OF EACH:**

The proposed administrative arrangement, participation, scope of activities to be performed and responsibilities for the execution of the work of the each party shall be as under:

First Party:

Second Party:

**5. The Registered office of the parties are as under:**

First Party:

Second Party:

6. In the event of default by any partner in the execution of the part of the contract, the Lead Partner will have the authority to assign the work to any other party acceptable to the Employer (CSL) to ensure the satisfactory execution of that part of the contract.

7. The law of the country where the project is implemented / realized will govern this agreement.

8. The validity of this agreement is 180 days from the date of signing of agreement or otherwise till the end of the ISRF project in all respects, in case selected as the L1 bidder for providing required services under the contract.

9. Neither party shall discuss, disclose or otherwise divulge any information related to the contents of this agreement, the projects and business to any third party without prior written consent of the other party. Disclosure of the information is a liable action.

IN WITNESS WHEREOF the Parties hereto have signed hereunder at ..... on ... day of ..... 2018.

Party of First Part      Witness:

Party of Second Part 1)

2)

**ANNEXURE - F**

<b><u>COMPANY PROFILE</u></b>	
1	Name of Firm/owner of the firm/company :
2	Nationality :
3	Head Office Address :
4	Address on which Correspondence should be done
5	Tel. No.
6	Mobile no.
7	Fax No.
8	E-mail address :
9	Place of incorporation / registration and Country :
10	Constitution of firm, Specify if the firm is
	a) An individual :
	b) A proprietary firm :
	c) A firm in partnership :
	d) A Limited Company or Corporation :
	Attach a copy of Proprietorship or Partnership Deed or Memorandum & Articles of Association of
11	Bank solvency /Solvency Certificate
12	Production in Tonne for the years given below
	a) FY 2018-19 :
	b) FY 2019-20 :
	c) FY 2020-21 :
	d) FY 2021-22 :
	e) FY 2022-23 :
13	Major projects executed in last 05 years with the Sheet metal fabrication works :



**Expression of Interest – Mechanical and Electrical Outfitting Works in Vessels on Turnkey Basis**

14	Give particulars of registration with Govt. / Semi Govt. / Public Sector Undertakings s/ Local Bodies
15	Litigation/ Arbitration case pending , If any give details
	a) EPF No & ESI No :
	b) GST No :
	c) Sale tax no :
	d) PAN No :
	e) Service Tax Registration No:
17	Any other information considered necessary, but not included above:

Note: Please attach relevant documents

**ANNEXURE - G**

**FORMAT FOR FINANCIAL CAPABILITY**

Sl. No.	Last three Financial Year	Annual Turnover	Profit after Tax (PAT)	Net worth as at the end of the financial year
1	2020-21			
2	2021-22			
3	2022-23			

To be signed by the Authorized Signatory of the Applicant with Name, Designation, seal and date.

**Certificate from Chartered Accountant:**

This is to certify that \_\_\_\_\_ (name of the Applicant) has received the payments shown above against the respective years and that the net worth is as computed.

Name of the Authorized Signatory representing Auditing firm:

Designation:

Name of firm (Chartered Accountant):

Signature of the Authorized Signatory:

Seal of Audit firm



**ANNEXURE - H**

**EXPERIENCE: RELEVANT PROJECTS COMPLETED**

Please fill in information about the relevant projects completed during the last fifteen years : Name of company:

Sr No .	Name of Client	Main Technical Particulars	Contract value and date	Year of commissioning	Details of documentary evidence provided
1					
2					
3					
4					
5					

I/ We hereby solemnly certify that the above furnished information is correct and true to the best of my / own knowledge and records available in the company.

Signature of authorized signatory Name:

Designation:

Date:

(Company seal)