

## **TENDER ENQUIRY**

Tender Ref. No: **MP2/OVERHAULING OF DECK MACHINERIES/ICGS PAVAK/CMSRU.**

Dt. 22/05/2023

Dear Sir,

Sealed Tenders in **Two Bid**, super scribing the Enquiry Number & Last date for receipt of Quotations on the envelope, are invited in two separate covers as 'Part I Techno Commercial' & 'Part II Price' for **Overhauling of Deck Machineries of ICGS PAVAK at CMSRU**, which is at **CSL MSRU (Cochin Shipyard Ltd- Mumbai Ship Repair Unit), Mumbai** for refit.

- 1 The offers as above should reach the undersigned on or before the last date and time shown. Tenders should be addressed to "The General Manager (CMSRU), Cochin Shipyard Ltd-Mumbai Ship Repair Unit, Mumbai Port Trust, and Mumbai-400001".
2. **Techno - Commercial offers can also be made by e-mail, with price bid duly Locked with password, before 15.00 hrs. (IST) on 31.05.2023, if delivery of sealed offers cannot be ensured at CSL on the due date.**
3. The offer shall indicate payment terms and other terms and conditions.
4. Vendors are strongly advised to visit work site prior to quoting.
5. Vendors should be able to carry out and complete the work at CMSRU, Mumbai within the given duration of time.
6. Quotation should be valid for a period of 180 days.
6. Quotation can be submitted by email as a password protected document (price part only) to the following email address.

[loganathan.m@cochinshipyard.in](mailto:loganathan.m@cochinshipyard.in)

[niranjan.kumar@cochinshipyard.in](mailto:niranjan.kumar@cochinshipyard.in)

[vikas.kumar@cochinshipyard.in](mailto:vikas.kumar@cochinshipyard.in)

OR

**In a sealed envelope addressed to "The General Manager (CMSRU), Cochin Shipyard Ltd-Mumbai Ship Repair Unit, Mumbai Port Trust, and Mumbai-400001".**

**Last Date & Time of Receipt of Tender: 31/05/2023 at 15.00 Hrs. IST.**

**Tender Opening date &time: 31/05/2023 at 15.30 Hrs. IST.**

**NOTE:** Amendment if any will be notified on CSL/Govt. Website. The bidders are requested to keep themselves informed of the development by visiting CSL website [www.cochinshipyard.com](http://www.cochinshipyard.com) and the CPP portal [www.eprocure.gov.in](http://www.eprocure.gov.in) regularly. Such amendments shall be binding upon them.

**Enclosures: -**

1. Special Instruction for Two Bid Systems
2. Scope of work
3. Price bid format
4. Rules for engaging workmen at CMSRU
5. CSL-MSRU HSE booklet
6. Specific Terms & conditions
7. General Terms & conditions
8. Compliance matrix
9. Unpriced bid format
10. HSE Guidelines

**Signed copy of following documents shall be submitted along with unpriced Price bid format clearly indicating quoted/not quoted against each job scope as per CSL P- bid format (Unpriced bid no need to protect with password, if send as soft copy in E mail).**

1. Scope of work
2. Price bid format
3. Rules for engaging workmen at CMSRU.
4. Specific Terms & conditions
5. General Terms & conditions
6. Compliance matrix
7. HSE Guidelines.

**Price bid duly signed and sealed by the authorized person need to be protected with password and shall be separately attached/enclosed in the mail. Offer submitted in single bid will not be considered.**

**In case of technical queries, please contact Shri. SREEJITH ERAZHETH RAJIVAN, MNGR (MECH), Mob. No.: 9321510312. & Shri SIBI CHERIAN C (PO-Mech), Mob. No. 9445218335**

Yours faithfully,

**General Manager (CMSRU)**

**CSL-MUMBAI SHIP REPAIR UNIT (CMSRU)**  
**Mumbai**  
**SPECIAL INSTRUCTION FOR TWO BID SYSTEMS**

**1. MODE OF SUBMISSION OF TENDERS**

Tenders should be submitted in two separate sealed covers super scribed in capital letters as **PART-I "TECHNO-COMMERCIAL" & PART-II "PRICE"** indicating the tender number, due date and name & address of the tenderer.

**2. TECHNO-COMMERCIAL PART SHOULD CONTAIN FOLLOWING DETAILS:-**

- I. Drawings & Technical Literature, if any
- II. Other conditions, if any
- III. Signed and stamped copy of Scope of Work (Encl 2), Rules for engaging contractor's workmen in CSL-MSRU (Encl 4), Specific terms & Conditions (Encl 6), General Terms and Conditions (Encl 7) & Compliance Matrix (Encl 8)
- IV. Deviation list, if any
- V. Price bid without price clearly indicating quoted/ not quoted against each line item/ DL.

**3. PRICE PART SHOULD CONTAIN FOLLOWING DETAILS: -**

- a. Price against each work.
- b. Taxes & duties as applicable shall be indicated.

4. CSL/CMSRU reserves the right to alter, modify the scope of supply at them discretion and consistent with the Navy Policy as applicable to the contract from time to time.

5. The Techno-commercial part alone will be opened initially on the due date and time of tender. The price part will be opened only after evaluation of the Techno commercial Part. Firms will be intimated the date of opening of the price part, whose Techno commercial bid is acceptable, in due course.

6. The tenderer shall ensure that their Indian Agent is not representing any other suppliers for the same Tender. In other words, Indian Agents are not permitted to represent more than one firm for a particular Tender.

7. Deviations, if any, in the offer submitted from that of the tender enquiry in any form, should be clearly furnished in a separate document titled as "List of Deviations".
8. Details of optional items, if any, should be indicated under separate heading in the technical bid and the respective price details should be given in the price bid.
9. After submission of quotation / price bid opening, no unsolicited correspondence will be entertained.
10. Clarifications, either technical or commercial, should be submitted to points specially asked for only. The opportunity so given should not be used for correcting/changing amending the data/conditions already submitted with the tender.
11. Price should be quoted separately for each item. Combining of figures against more than one item and ambiguous clauses will lead to rejection of the bid.
12. Offers should be clear and unambiguous. Incomplete/ambiguous offers are likely to be rejected.
13. The bidder shall submit a signed & sealed copy of the tender document including Encl 2, 5, 6 & 7 along with their bid as token of acceptance of terms & Conditions.
14. An Integrity Pact as per CSL/CMSRU format is to be signed and submitted later (if necessary).
15. The quantity projected in the scope of work is estimated. There may be upward/downward variations in actual quantity.

**Deputy General Manager (Ship Repair Materials)**

SCOPE OF WORK				
SL.NO	DL.NO	DESCRIPTION	QTY	UNIT
DECK MACHINERIES				
<b>ANCHOR WINDLASS (MAKE – ROLLS ROYCE ) (HYDRAULIC OPERATED ),MODEL (BCM 41-10),QTY- 02 NOS</b>				
1	HA 1095	Entire hydraulic system including hydraulic pumps to be overhauled. Scope includes dismantling and overhauling/repairs of associated sub-assemblies viz. brake assembly,cable holder, warping drum, hydro motor operating head and engaging-disengaging gears. Rollers of anchor side to be dismantled and inspected bearing bush for wear and tear, lubricated and fitted back. Undertake inspection for any sign of wear & tear or damage and repairs to be under taken accordingly. Renewal of ferrodo lining of 02 brake assembly as per sample. Pump model PH-SNF 120-46. All grease nipples to be renewed. Both windlasses are to be proved for pull load testing of 08 ton. <b>Provide load test certificate from the authorized agency. SWL- 08 T, Test Load - 10 T.</b> Embossed talley of “ENGAGE”, “DISENGAGE” on levers and “CLOSE”, “OPEN ”on hand wheels to be fitted. All talleys 02 nos each. System to be proved for satisfactory operation post overhauling.All spares will be supplied by the yard. All consumables like nut, bolt, grease etc to be renewed as part of scope. All consumables to be arranged by the vendor.	2	NOS
2	HA 1096	High pressure Hydraulic piping system for windlass to be dismantled, cleaned. (Size – 80 NB, Mat. SS, length – 50 mtrs) working pressure 57 Bar, Test Pressure 85 Bar. Vendor to take precautions- motors / pump, non-return valve, change over valve and filters to be by passed during the chemical cleaning. Each- 40 pipe lines and 04 no deck flanges. All materials & consumables to be supplied by the vendor.	1	LS
3	HA 1097	Expansion and RU tank to be thoroughly cleaned. Tank Height – 1.15 Mtr, Dia- 0.5 & 0.35 Mtr, Capacity – 220 Kg. All materials & consumables to be supplied.All inway jobs to be included.	1	LS
<b>MOORING CAPSTAN MAKE –(ROLLS ROYCE ) (HYDRAULIC OPERATED ),MODEL-MX2208,QTY- 02 NOS</b>				
4	HA 1099	Entire hydraulic system including hydraulic pump to be overhauled. Scope includes dismantling and overhauling/repairs of associated sub-assemblies. Undertake inspection for any sign of wear & tear or damage and repairs to be under taken accordingly. Both Capstans are to be proved for pull load testing of 08 ton. <b>Provide load test certificate from the authorized agency SWL- 08 T, Test Load - 10 T.</b> Load testing is to be undertaken in accordance with NCD-3910. OIL- VG -100 or equivalent- 420 Ltr. All spares will be supplied by the yard. All consumables like nut, bolt, grease etc to be renewed as part of scope. All consumables to be arranged by the vendor.	2	Nos
5	HA 1100	High pressure Hydraulic system piping for capstan to be dismantled and chemically to be cleaned. (Size – 80 NB, Mat. SS, length – 42 mtrs) working pressure 57 Bar, Test Pressure 87 Bar. Firm to be undertake precautions for motors / pump, non-return valve, change over valve and filters or by passed during the chemical cleaning. All materials & consumables to be supplied by the vendor.	1	Ls
6	HA 1101	Expansion and RU tank to be thoroughly cleaned. Tank Height – 1.15 Mtr, Dia- 0.5 & 0.35 Mtr, Capacity – 220 Kg. All materials & consumables to be supplied and All inway jobs to be included.	1	Ls

SWEEPING ARM CRANE – MAKE- NORCRANE, NORWAY, MODEL-NCW-DSA-115-0609, QTY- 02 NOS.				
7	HA 1103	<p>Both sweeping arm cranes to be thoroughly overhauled. Scope includes following:-</p> <ul style="list-style-type: none"> <li>(i) Overhauling of hydraulic pumps.</li> <li>(ii) Overhauling of lowering/hoisting hydro motor winch (02 winch on each crane).</li> <li>(iii) Overhauling of lowering/hoisting swivel hooks (02 hooks per crane).</li> <li>(iv) Overhauling of wire sheaves and pin assembly (02 sheaves and pin on each crane).</li> <li>(v) Overhauling of slewing cylinder, slewing bearing.</li> <li>(vi) Verify the control valves block integrity.</li> <li>(vii) Overhauling and re-setting of the counter balancing mechanism.</li> <li>(viii) Overhauling and setting of distribution blocks, non-return valves and pressure relief valves, operating head assembly.</li> <li>(ix) Remove wire rope and examine for serviceability, clean corrosion marks if any, grease and fit back. If the rope found frayed/ damaged renewed the same and crimping with hook and winches.</li> <li>(x) Overhauling of 04 in nos. valve manifold and proved for any leakage.</li> <li>(xi) vendor to cater for dismantling of crane arm for overhauling of pivot mechanism and replacement of all associated fasteners.</li> <li>(xii) Overhauling of hydraulic ram fitted and replacement of cylinder seal assembly.</li> <li>(xiii) Clean hydraulic tank and renew hydraulic oil. <b>Provide load test certificate from the authorized agency [SWL - 1.6 T, 4.1 T and Test Load 2.1T, 5.5T].</b></li> </ul> <p><b>Load test certificate</b> to be submitted on completion of entire job. Safe working load Hook-1- 4.38 tons, Hook 2- 1.68 Tons. All consumables and spares [Overhauling Spares, oil, wire rope, fasteners, etc. ] for under taking the above scope of work to be arranged by the contractor. Required Hydraulic oil to be supplied.All inway jobs included.</p>	2	NOS
8	HB 1153	<p>(a) 02 in nos Guide Winch for Side Sweeping arms (Port and Stbd) to be overhauled along with operational control block and examine the condition of wire rope if any protrusions occurred needs to renewed. Mat –SWR 6X37, Dia-12mm, Length- 30 Mtr(each). All consumables and spares for undertaking the above scope to be arranged by the contractor. All inway jobs included.</p>	2	NOS
DECK CRANES-02 NOS				
9	HA 1105	<p>Both Pollution control cranes to be thoroughly overhauled. Scope includes following:-</p> <ul style="list-style-type: none"> <li>(a) Overhauling of hydraulic pumps</li> <li>(b) Overhauling of lowering/hoisting hydro motor winch</li> <li>(c) Overhauling of lowering/hoisting swivel hooks</li> <li>(d) Overhauling of wire sheaves and pin assembly</li> <li>(e) Overhauling of slewing cylinder, luffing cylinders, slewing bearing</li> <li>(f) Verify the control valves block integrity</li> <li>(g) Overhauling and re-setting of the counter balancing mechanism.</li> <li>(h) Overhauling and setting of distribution blocks, non-return valves and pressure relief valves, operating head assembly.</li> <li>(i) Overhauling of 04 in nos. valve manifold and to be proved for any leakage.</li> <li>(k) Dismantling of crane arm for overhauling of pivot mechanism and replacement of all associated fasteners.</li> <li>(l) Overhauling of hydraulic ram and replacement of cylinder seal.</li> <li>(m) Remove wire rope and examine for serviceability, clean corrosion marks if any, grease and fit back. If the rope found frayed/ damaged renewed the same and crimping with hook and winches.</li> <li>(n) Overhauling and proving of 02 in nos. direction control valve manifold.</li> <li>(p) Clean hydraulic tank &amp; renewed hydraulic oil.</li> </ul> <p>Load test certificate to be submitted on completion of entire job from the authorized agency. Safe working load 5.0 tons, Test Load Static -6.25 T [05 mtr], Dynamic- 5.5 T [ 05 mtr], 1.6 T [10 mtr]. All consumables and spares [Overhauling Spares, oil, wire rope, fasteners, etc. ] for under taking the above scope of work to be arranged by the contractor. Required Hydraulic oil to be supplied.All inway jobs included.</p>	2	NOS
10	HB 1106	<p>Play observed 02 in nos. rotating pulley along with supporting disc due to fear wear &amp; tear between the pulley and disc in Port and Stbd Deck Cranes. During hoisting and lowering movement, steel wire rope observed to be slipping from the pulley. <b>To be renewed as per sample. Material to be supplied.</b>(Mat – Teflon, Dia- 450 mm, Thickness – 40mm, Groove Clearance- 18 mm), All In-way job includes removal of mounting assembly and fitment post completion of works.All consumables and spares for under taking the above scope of work to be arranged by the contractor.</p>	2	NOS

<b>POLLUTION CONTROL BOAT DAVIT -02 Nos</b>				
11	HA 1107	Both Pollution control boat davits are to be thoroughly overhauled. Scope includes following:- (i) Overhauling of hydraulic pumps (ii) Overhauling of lowering/hoisting hydro motor winch (iii) Overhauling of lowering/hoisting swivel hooks (iv) Overhauling of wire sheaves and pin assembly (v) Overhauling of slewing cylinder luffing cylinders and slewing bearing (vi) Verify the control valves, pressure relief valves and block integrity (vii) Overhauling and re-setting of the counter balancing mechanism. (viii) Overhauling and setting of distribution blocks, non return valves and pressure relief valves, operating head assembly. (ix) Overhauling of 04 in nos. valve manifold and to be proved for any leakage. Dismantling of crane arm for overhauling of pivot mechanism and replacement of all associated fasteners. (x) Overhauling of hydraulic ram fitted and replacement of cylinder seal assembly. (xi) Remove wire rope and examine for serviceability, clean corrosion marks if any, grease and fit back. If the rope found frayed/ damaged renewed the same with hook and winches (xii) Renewal of all hydraulic hoses (xiii) Overhauling and proving of 02 in nos. direction control valve manifold. (xiv) Overhauling of hydraulic hand pump and to be proved. (xv) All hydraulic oil accumulator for emergency operation to be drained, internally cleaned and pressure tested with associated systems and valves. Emergency operations to be proved on completion. (xvi) Inspect the ante hook & anti rolling assembly for the functioning, ease and lubricate associate fittings and check for smooth operation. (xvii) Submit load test certificate, SWL -3.875T,Static- 4.8T, Dyn- 4.3 T (xviii) Clean hydraulic tank and renew hydraulic oil. Load test certificate to be submitted on completion of entire job from the authorized agency.All consumables and spares [Overhauling Spares, oil, wire rope, fasteners, etc. ] for under taking the above scope of work to be arranged by the contractor. Required Hydraulic oil to be supplied.All inway jobs included.	2	NOS
<b>PC BOAT (02 IN NOS.) MAKE- JEMARNORPOWER AS, LENGTH – 25 FT</b>				
12	HA 1111	Hendrickson hook with remote release unit for hooking and unhooking of the boat to be checked for the proper functioning and overhaul the same. All material for under taking the above scope of work to be arranged by the contractor.Load test certificate to be submitted on completion of entire job from the authorized agency. SWL 3.875 T and Test Load 4.8 T.	2	NOS
<b>RESCUE BOAT (01 IN NO) MAKE- SOLAS, LENGTH – 6 MTR</b>				
13	HA 1113	Hendrickson hook lever operated for hooking and unhooking of the boat to be checked for the proper functioning and overhaul the same.Load test certificate to be submitted on completion of entire job from the authorized agency. SWL 3 T and Test Load 4.5 T.All material for under taking the above scope of work to be arranged by the contractor.	1	NOS
<b>TOWING HOOK-75 T, M/S NAUTILUS ENGG CONSTRUCTION, MANGALORE</b>				
14	HA 1119	Towing hook to be overhauled and proved for proper functioning, carry out visual survey of foundation and weld joints involving class surveyor. Remote release mechanism to be overhauled and proved for satisfactory operation manually and pneumatically. Job involves, following:- (i) Renewal of all grease nipples (ii) Renewal of pneumatic hose with end fittings,- Mat – Copper (Dia -5 mm, length -7 Mtr) (iii) Renewal of flexible hose connection for pressure reducer assembly. (Dia -10 mm, length -03 Mtr) (iv) Check and repair solenoids for satisfactory operation of Towing hook. Visual Survey by the surveyor to be carried out. All inway jobs included. All material and spares for under taking the above scope of work to be arranged by the contractor.	1	LS
15	HA 1120	Carry out Survey/Load testing (Non Destructive test) by Class Surveyor, SWL-75 Tonnes	1	LS

<b>RESCUE BOAT DAVIT- 01 NO. MAKE : NOR CRANE</b>				
16	HA 1123	<p>Rescue Boat boat davit to be thoroughly overhauled. Scope includes following:-</p> <ul style="list-style-type: none"> <li>(i) Overhauling of hydraulic pump.</li> <li>(ii) Overhauling of lowering/hoisting hydro motor winch.</li> <li>(iii) Overhauling of lowering/hoisting swivel hooks.</li> <li>(iv) Overhauling of wire sheaves and pin assembly.</li> <li>(v) Overhauling of slewing cylinder.</li> <li>(vi) Overhauling of luffing cylinders.</li> <li>(vii) Overhauling of slewing bearing.</li> <li>(viii) Verify the control valves block integrity.</li> <li>(ix) Overhauling and re-setting of the counter balancing mechanism.</li> <li>(x) Overhauling and setting of distribution blocks, non-return valves and pressure relief valves, operating head assembly.</li> <li>(xi) Overhauling of 04 in nos. valve manifold and be proved for any leakage. Dismantling of arm for overhauling of pivot mechanism and replacement of all associated fasteners.</li> <li>(xii) Overhauling of hydraulic ram fitted and replacement of cylinder seal assembly.</li> <li>(xiii) Remove wire rope and examine for serviceability, clean corrosion marks if any, grease and fit back. If the rope found frayed/ damaged renewed the same and crimping with hook and winches.</li> <li>(xiv) Renewal of hydraulic hoses</li> <li>(xv) Overhauling and proving of 02 in nos. direction control valve manifold.</li> <li>(xvi) Overhauling of hydraulic hand pump and to be proved.</li> <li>(xvii) All hydraulic oil accumulators for emergency operation to be drained, internally cleaned and pressure tested with associated systems and valves. Emergency operations to be proved on completion.</li> <li>(xviii) Inspect the anti-hook &amp; anti-rolling assembly for the functioning, ease and lubricate associate fittings and check for smooth operation.</li> <li>(xix) Inspect the base of Davit and foundation.</li> </ul> <p>All Overhauling Spares, consumables, oil, wire ropes, fastners and all other associate materials to be supplied by the vendor. Load testing to be carried out with the authorised agency and survey to be done by the class. SWL -1.0 T and Test Load 1.25 T.</p>	1	NOS
<b>ACCOMMODATION LADDERS (QTY- 02 IN NOS.) MAKE – AQUA LOGISTICS PVT. LTD., 8.5 M</b>				
17	HA 1124	Both accommodation ladders to be stripped dismantled from pivoting base. Rotating drum, Pulleys, wire rope and associated fittings of both ladders to be dismantled and overhauled. Steel Wire Rope Dia – 10 mm, Length – 35 Mtr. All spares , materials and consumables to be supplied by the vendor. All inway jobs included. Load test certificate to be submitted on completion of entire job from the authorized agency. Test Load 1.65 T.	2	NOS
<b>GEMINI DAVIT (QTY-01NO.) MAKE- BHAWANI ENGG. WORKS. MUMBAI</b>				
18	HA 1125	<p>Entire Gemini davit to be overhauled. Scope includes following:-</p> <ul style="list-style-type: none"> <li>(i) Overhauling of hoisting/lowering reduction gear box and slewing gear box</li> <li>(ii) Overhauling of sheave block and hook assembly</li> <li>(iii) Renewal of bearings fitted on wire rope drum.</li> <li>(iv) Dismantle the Davit from foundation and inspect the holding down bolts. If found defective to be renewed.</li> <li>(v) Davit arm to be chipped, cleaned and inspected for structural soundness.</li> <li>(vi) On completion of overhauling and repair, the davit to be assembled and proved for operation.</li> </ul> <p>Steel Wire Rope Dia – 12 mm, Length – 30 Mtr. All spares , materials and consumables for undertaking above scope of work to be supplied by the vendor. All in way jobs included. Load test certificate to be submitted on completion of entire job from the authorized agency. Safe working load 1.0 tons, Test Load 1.25 T.</p>	1	NOS

HANGAR TELESCOPIC SYSTEM GEAR BOX, MAKE- NORCRANE, DEALER – SEW-EURODRIVE INDIA PVT LTD, MUMBAI				
19	HA 1126	Hangar Telescopic traverse operating mechanism gear box to be overhauled. Clutches to be dismantled and overhauled. All sheaves to be overhauled. Track assembly to be overhauled and lubricated. All seals and oil to be changed. Remove wire rope and examine for serviceability, clean corrosion marks if any, grease and fit back. If the rope found frayed/ damaged renew the same. Steel Wire Rope Dia –12 mm (6 x 37 fiber core), Length – 45Mtr. All spares , materials and consumables for undertaking above scope of work to be supplied by the vendor. All in way jobs included.	1	LS
20	HA 1127	Hangar shutter to be thoroughly cleaned and painted with CG crest. (Size of shutter appx. 3700mm x 3700mm). Paint will be supplied by the yard. All consumables for undertaking above scope of work to be supplied by the vendor. All inway jobs included.	1	LS
21	HB 1129	Hangar track rollers and support roller with spring constrained to move freely in the recessed track. Suspect wheel block assembly securing loosened and obstructs the side of track. 08 no wheel block assembly and 06 nos support roller arrangement to be removed and overhauled and refitted. All in-way job included.All spares and oil will be supplied by the yard. All materials and consumables for undertaking above scope of work to be supplied by the vendor.	1	LS
HANGAR SHUTTER GEAR BOX				
22	HB 1131	Helo hangar shutter operating gear box to be overhauled and gear box to be proved for smooth operation. Class survey to be carried out. All materials and spares for undertaking above scope of work to be supplied by the vendor. All inway jobs included.	1	LS
<b>Note :</b> <b>1. Carry out Load test against mentioned DL as per last satisfactory load test carried out &amp; the values in the last test certificate will become the reference. The load test should be undertaken through authorised agency in presence of class.</b> <b>2. Survey will be arranged by CSL.</b> <b>3. All inway jobs included.</b>				
General Terms & Conditions				
1	Work to be completed within 60 days after intimation from CMSRU office.			
2	All tools and Equipments for undertaking the work to be arranged by Vendor.			
3	Transportation,loading,unloading,gate clearance passes and associated expenses shall be at supplier scope.			
4	Necessary reports and certificates to be submitted.			
5	System Wise <b>L1</b> basis. <b>The firm to be quote including all consumable materials it is the turn key system wise L1.</b>			
6	All inway jobs included.			
7	The following stage payment terms is proposed: - i. Stage 1: 20% of contracted value excluding GST on submission of invoice in triplicate on completion of opening inspection of all equipment and submission of opening inspection report. ii. Stage 2: 40% of contracted value excluding GST on submission of invoice in triplicate on completion of boxing up of all equipment and on-board installation. iii. Stage 3: 40% of contracted value excluding GST on submission of invoice in triplicate on completion of sea trials.			
8	Vendor scope includes supply of consumable material such as: a) Fasteners such as nut & bolts, washers etc. b) Rubber components such as gaskets, o rings, seals etc. c) Priming oil for cleaning of hydraulic systems, chemicals for cleaning of motors, varnish, enamel, grease etc. d) Paint for painting of equipments as per existing paint scheme.			

9	<b>Vendors should possess similar work experiences and able to submit document proofs of work experiences during technical bid.</b>
10	Transportation of any equipment / parts if required to workshop for undertaking repair to be arranged by contractor.
11	All Safety rules and regulation of the shipyard to be adhered by contractor.
12	Equipment if required for transportation outside CMSRU to be insured prior to movement.
13	The contractor to provide all arrangements and support for entire completion of repair scope.
14	All works will be considered completed only after certification by CSL / Ship.
15	Cleaning and removing all waste materials to be done on regular basis. Work place should be neat and well kept.

PRICE BID							
SL.NO	DL.NO	DESCRIPTION	QTY	UNIT	Unit rate	Total rate (Qty x unit rate)	GST(%)
DECK MACHINERIES							
ANCHOR WINDLASS (MAKE – ROLLS ROYCE ) (HYDRAULIC OPERATED ),MODEL (BCM 41-10),QTY- 02 NOS							
1	HA 1095	Entire hydraulic system including hydraulic pumps to be overhauled. Scope includes dismantling and overhauling/repairs of associated sub-assemblies viz. brake assembly, cable holder, warping drum, hydro motor operating head and engaging-disengaging gears. Rollers of anchor side to be dismantled and inspected bearing bush for wear and tear, lubricated and fitted back. Undertake inspection for any sign of wear & tear or damage and repairs to be under taken accordingly. Renewal of ferrodo lining of 02 brake assembly as per sample. Pump model PH-SNF 120-46. All grease nipples to be renewed. Both windlasses are to be proved for pull load testing of 08 ton. <b>Provide load test certificate from the authorized agency. SWL- 08 T, Test Load - 10 T.</b> Embossed talley of "ENGAGE", DISENGAGE" on levers and "CLOSE", "OPEN " on hand wheels to be fitted. All talleys 02 nos each. System to be proved for satisfactory operation post overhauling. All spares will be supplied by the yard. All consumables like nut, bolt, grease etc to be renewed as part of scope. All consumables to be arranged by the vendor.	2	NOS	XX	XX	XX
2	HA 1096	High pressure Hydraulic piping system for windlass to be dismantled, cleaned. (Size – 80 NB, Mat. SS, length – 50 mtrs) working pressure 57 Bar, Test Pressure 85 Bar. Vendor to take precautions- motors / pump, non-return valve, change over valve and filters to be by passed during the chemical cleaning. Each- 40 pipe lines and 04 no deck flanges. All materials & consumables to be supplied by the vendor.	1	LS	XX	XX	XX
3	HA 1097	Expansion and RU tank to be thoroughly cleaned. Tank Height – 1.15 Mtr, Dia- 0.5 & 0.35 Mtr, Capacity – 220 Kg. All materials & consumables to be supplied. All inway jobs to be included.	1	LS	XX	XX	XX
MOORING CAPSTAN MAKE -(ROLLS ROYCE ) (HYDRAULIC OPERATED ),MODEL-MX2208,QTY- 02 NOS							
4	HA 1099	Entire hydraulic system including hydraulic pump to be overhauled. Scope includes dismantling and overhauling/repairs of associated sub-assemblies. Undertake inspection for any sign of wear & tear or damage and repairs to be under taken accordingly. Both Capstans are to be proved for pull load testing of 08 ton. <b>Provide load test certificate from the authorized agency SWL- 08 T, Test Load - 10 T.</b> Load testing is to be undertaken in accordance with NCD-3910. OIL- VG -100 or equivalent - 420 Ltr. All spares will be supplied by the yard. All consumables like nut, bolt, grease etc to be renewed as part of scope. All consumables to be arranged by the vendor.	2	Nos	XX	XX	XX
5	HA 1100	High pressure Hydraulic system piping for capstan to be dismantled and chemically to be cleaned. (Size – 80 NB, Mat. SS, length – 42 mtrs) working pressure 57 Bar, Test Pressure 87 Bar. Firm to be undertake precautions for motors / pump, non-return valve, change over valve and filters or by passed during the chemical cleaning. All materials & consumables to be supplied by the vendor.	1	Ls	XX	XX	XX
6	HA 1101	Expansion and RU tank to be thoroughly cleaned. Tank Height – 1.15 Mtr, Dia- 0.5 & 0.35 Mtr, Capacity – 220 Kg. All materials & consumables to be supplied and All inway jobs to be included.	1	Ls	XX	XX	XX
SWEEPING ARM CRANE – MAKE- NORCRANE, NORWAY, MODEL-NCW-DSA-115-0609, QTY- 02 NOS.							
7	HA 1103	Both sweeping arm cranes to be thoroughly overhauled. Scope includes following:- (i) Overhauling of hydraulic pumps. (ii) Overhauling of lowering/hoisting hydro motor winch (02 winch on each crane). (iii) Overhauling of lowering/hoisting swivel hooks (02 hooks per crane). (iv) Overhauling of wire sheaves and pin assembly (02 sheaves and pin on each crane). (v) Overhauling of slewing cylinder, slewing bearing. (vi) Verify the control valves block integrity. (vii) Overhauling and re-setting of the counter balancing mechanism. (viii) Overhauling and setting of distribution blocks, non-return valves and pressure relief valves, operating head assembly. (ix) Remove wire rope and examine for serviceability, clean corrosion marks if any, grease and fit back. If the rope found frayed/ damaged renewed the same and crimping with hook and winches. (x) Overhauling of 04 in nos. valve manifold and proved for any leakage. (xi) vendor to cater for dismantling of crane arm for overhauling of pivot mechanism and replacement of all associated fasteners. (xii) Overhauling of hydraulic ram fitted and replacement of cylinder seal assembly. (xiii) Clean hydraulic tank and renew hydraulic oil. <b>Provide load test certificate from the authorized agency [SWL -1.6 T, 4.1 T and Test Load 2.1T, 5.5T].</b> <b>Load test certificate</b> to be submitted on completion of entire job. Safe working load Hook 1- 4.38 tons, Hook 2- 1.68 Tons. All consumables and spares [Overhauling Spares, oil, wire rope, fasteners, etc. ] for under taking the above scope of work to be arranged by the contractor. Required Hydraulic oil to be supplied. All inway jobs included.	2	NOS	XX	XX	XX
8	HB 1153	(a) 02 in nos Guide Winch for Side Sweeping arms (Port and Stbd) to be overhauled along with operational control block and examine the condition of wire rope if any protrusions occurred needs to be renewed. Mat -SWR 6X37, Dia-12mm, Length- 30 Mtr(each). All consumables and spares for undertaking the above scope to be arranged by the contractor. All inway jobs included.	2	NOS	XX	XX	XX
DECK CRANES-02 NOS							
9	HA 1105	Both Pollution control cranes to be thoroughly overhauled. Scope includes following:- (a) Overhauling of hydraulic pumps (b) Overhauling of lowering/hoisting hydro motor winch (c) Overhauling of lowering/hoisting swivel hooks (d) Overhauling of wire sheaves and pin assembly (e) Overhauling of slewing cylinder, luffing cylinders, slewing bearing (f) Verify the control valves block integrity (g) Overhauling and re-setting of the counter balancing mechanism. (h) Overhauling and setting of distribution blocks, non-return valves and pressure relief valves, operating head assembly. (i) Overhauling of 04 in nos. valve manifold and to be proved for any leakage. (j) Overhauling of crane arm for overhauling of pivot mechanism and replacement of all associated fasteners. (k) Overhauling of hydraulic ram and replacement of cylinder seal. (m) Remove wire rope and examine for serviceability, clean corrosion marks if any, grease and fit back. If the rope found frayed/ damaged renewed the same and crimping with hook and winches. (n) Overhauling and proving of 02 in nos. direction control valve manifold. (p) Clean hydraulic tank & renewed hydraulic oil. Load test certificate to be submitted on completion of entire job from the authorized agency. Safe working load 5.0 tons, Test Load Static -6.25 T [05 mtr], Dynamic- 5.5 T [05 mtr], 1.6 T [10 mtr]. All consumables and spares [Overhauling Spares, oil, wire rope, fasteners, etc. ] for under taking the above scope of work to be arranged by the contractor. Required Hydraulic oil to be supplied. All inway jobs included.	2	NOS	XX	XX	XX
10	HB 1106	Play observed 02 in nos. rotating pulley along with supporting disc due to fear wear & tear between the pulley and disc in Port and Stbd Deck Cranes. During hoisting and lowering movement, steel wire rope observed to be slipping from the pulley. <b>To be renewed as per sample. Material to be supplied.</b> (Mat – Teflon, Dia- 450 mm, Thickness – 40mm, Groove Clearance- 18 mm). All In-way job includes removal of mounting assembly and fitment post completion of works. All consumables and spares for under taking the above scope of work to be arranged by the contractor.	2	NOS	XX	XX	XX
POLLUTION CONTROL BOAT DAVIT -02 Nos							
11	HA 1107	Both Pollution control boat davits are to be thoroughly overhauled. Scope includes following:- (i) Overhauling of hydraulic pumps (ii) Overhauling of lowering/hoisting hydro motor winch (iii) Overhauling of lowering/hoisting swivel hooks (iv) Overhauling of wire sheaves and pin assembly (v) Overhauling of slewing cylinder luffing cylinders and slewing bearing (vi) Verify the control valves, pressure relief valves and block integrity (vii) Overhauling and re-setting of the counter balancing mechanism. (viii) Overhauling and setting of distribution blocks, non return valves and pressure relief valves, operating head assembly. (ix) Overhauling of 04 in nos. valve manifold and to be proved for any leakage. Dismantling of crane arm for overhauling of pivot mechanism and replacement of all associated fasteners. (x) Overhauling of hydraulic ram fitted and replacement of cylinder seal assembly. (xi) Remove wire rope and examine for serviceability, clean corrosion marks if any, grease and fit back. If the rope found frayed/ damaged renewed the same with hook and winches (xii) Renewal of all hydraulic hoses (xiii) Overhauling and proving of 02 in nos. direction control valve manifold. (xiv) Overhauling of hydraulic hand pump and to be proved. (xv) All hydraulic oil accumulator for emergency operation to be drained, internally cleaned and pressure tested with associated systems and valves. Emergency operations to be proved on completion. (xvi) Inspect the ante hook & anti rolling assembly for the functioning, ease and lubricate associate fittings and check for smooth operation. (xvii) Submit load test certificate, SWL -3.875T, Static- 4.8T, Dyn- 4.3 T (xviii) Clean hydraulic tank and renew hydraulic oil. Load test certificate to be submitted on completion of entire job from the authorized agency. All consumables and spares [Overhauling Spares, oil, wire rope, fasteners, etc. ] for under taking the above scope of work to be arranged by the contractor. Required Hydraulic oil to be supplied. All inway jobs included.	2	NOS	XX	XX	XX

PC BOAT (02 IN NOS.) MAKE- JEMARNORPOWER AS, LENGTH - 25 FT							
12	HA 1111	Hendrickson hook with remote release unit for hooking and unhooking of the boat to be checked for the proper functioning and overhaul the same. All material for under taking the above scope of work to be arranged by the contractor. Load test certificate to be submitted on completion of entire job from the authorized agency. SWL 3.875 T and Test Load 4.8 T.	2	NOS	XX	XX	XX
RESCUE BOAT (01 IN NO) MAKE- SOLAS, LENGTH - 6 MTR							
13	HA 1113	Hendrickson hook lever operated for hooking and unhooking of the boat to be checked for the proper functioning and overhaul the same. Load test certificate to be submitted on completion of entire job from the authorized agency. SWL 3 T and Test Load 4.5 T. All material for under taking the above scope of work to be arranged by the contractor.	1	NOS	XX	XX	XX
TOWING HOOK-75 T, M/S NAUTILUS ENGG CONSTRUCTION, MANGALORE							
14	HA 1119	Towing hook to be overhauled and proved for proper functioning, carry out visual survey of foundation and weld joints involving class surveyor. Remote release mechanism to be overhauled and proved for satisfactory operation manually and pneumatically. Job involves, following:- (i) Renewal of all grease nipples (ii) Renewal of pneumatic hose with end fittings. - Mat - Copper (Dia -5 mm, length -7 Mtr) (iii) Renewal of flexible hose connection for pressure reducer assembly. (Dia -10 mm, length -03 Mtr) (iv) Check and repair solenoids for satisfactory operation of Towing hook Visual Survey by the surveyor to be carried out. All inway jobs included. All material and spares for under taking the above scope of work to be arranged by the contractor.	1	LS	XX	XX	XX
15	HA 1120	Carry out Survey/Load testing (Non Destructive test) by Class Surveyor, SWL-75 Tonnes	1	LS	XX	XX	XX
RESCUE BOAT DAVIT-01 NO. MAKE : NOR CRANE							
16	HA 1123	Rescue Boat boat davit to be thoroughly overhauled. Scope includes following:- (i) Overhauling of hydraulic pump. (ii) Overhauling of lowering/hoisting hydro motor winch. (iii) Overhauling of lowering/hoisting swivel hooks. (iv) Overhauling of wire sheaves and pin assembly. (v) Overhauling of slewing cylinder. (vi) Overhauling of luffing cylinders. (vii) Overhauling of slewing bearing. (viii) Verify the control valves block integrity. (ix) Overhauling and re-setting of the counter balancing mechanism. (x) Overhauling and setting of distribution blocks, non-return valves and pressure relief valves, operating head assembly. (xi) Overhauling of 04 in nos. valve manifold and be proved for any leakage. Dismantling of arm for overhauling of pivot mechanism and replacement of all associated fasteners. (xii) Overhauling of hydraulic ram fitted and replacement of cylinder seal assembly. (xiii) Remove wire rope and examine for serviceability, clean corrosion marks if any, grease and fit back. If the rope found frayed/ damaged renew the same and crimping with hook and winches. (xiv) Renewal of hydraulic hoses (xv) Overhauling and proving of 02 in nos. direction control valve manifold. (xvi) Overhauling of hydraulic hand pump and to be proved. (xvii) All hydraulic oil accumulators for emergency operation to be drained, internally cleaned and pressure tested with associated systems and valves. Emergency operations to be proved on completion. (xviii) Inspect the anti-hook & anti-rolling assembly for the functioning, ease and lubricate associate fittings and check for smooth operation. (xix) Inspect the base of Davit and foundation. All Overhauling Spares, consumables, oil, wire ropes, fastners and all other associate materials to be supplied by the vendor. Load testing to be carried out with the authorised agency and survey to be done by the class. SWL -1.0 T and Test Load 1.25 T.	1	NOS	XX	XX	XX
ACCOMMODATION LADDERS (QTY- 02 IN NOS.) MAKE - AQUA LOGISTICS PVT. LTD., 8.5 M							
17	HA 1124	Both accommodation ladders to be stripped dismantled from pivoting base. Rotating drum, Pulleys, wire rope and associated fittings of both ladders to be dismantled and overhauled. Steel Wire Rope Dia - 10 mm, Length - 35 Mtr. All spares , materials and consumables to be supplied by the vendor. All inway jobs included. Load test certificate to be submitted on completion of entire job from the authorized agency. Test Load 1.65 T.	2	NOS	XX	XX	XX
GEMINI DAVIT (QTY-01NO.) MAKE- BHAWANI ENGG. WORKS. MUMBAI							
18	HA 1125	Entire Gemini davit to be overhauled. Scope includes following:- (i) Overhauling of hoisting/lowering reduction gear box and slewing gear box (ii) Overhauling of sheave block and hook assembly (iii) Renewal of bearings fitted on wire rope drum. (iv) Dismantle the Davit from foundation and inspect the holding down bolts. If found defective to be renewed. (v) Davit arm to be chipped, cleaned and inspected for structural soundness. (vi) On completion of overhauling and repair, the davit to be assembled and proved for operation. Steel Wire Rope Dia - 12 mm, Length - 30 Mtr. All spares , materials and consumables for undertaking above scope of work to be supplied by the vendor. All in way jobs included. Load test certificate to be submitted on completion of entire job from the authorized agency. Safe working load 1.0 tons, Test Load 1.25 T.	1	NOS	XX	XX	XX
HANGAR TELESCOPIC SYSTEM GEAR BOX, MAKE- NORCRANE, DEALER - SEW-EURODRIVE INDIA PVT LTD, MUMBAI							
19	HA 1126	Hangar Telescopic traverse operating mechanism gear box to be overhauled. Clutches to be dismantled and overhauled. All sheaves to be overhauled. Track assembly to be overhauled and lubricated. All seals and oil to be changed. Remove wire rope and examine for serviceability, clean corrosion marks if any, grease and fit back. If the rope found frayed/ damaged renew the same. Steel Wire Rope Dia - 12 mm (6 x 37 fiber core), Length - 45Mtr. All spares , materials and consumables for undertaking above scope of work to be supplied by the vendor. All in way jobs included.	1	LS	XX	XX	XX
20	HA 1127	Hangar shutter to be thoroughly cleaned and painted with CG crest. (Size of shutter appx. 3700mm x 3700mm). Paint will be supplied by the yard. All consumables for undertaking above scope of work to be supplied by the vendor. All inway jobs included.	1	LS	XX	XX	XX
21	HB 1129	Hangar track rollers and support roller with spring constrained to move freely in the recessed track. Suspect wheel block assembly securing loosened and obstructs the side of track. 08 nos wheel block assembly and 06 nos support roller arrangement to be removed and overhauled and refitted. All in-way job included. All spares and oil will be supplied by the yard. All materials and consumables for undertaking above scope of work to be supplied by the vendor.	1	LS	XX	XX	XX
HANGAR SHUTTER GEAR BOX							
22	HB 1131	Helo hangar shutter operating gear box to be overhauled and gear box to be proved for smooth operation. Class survey to be carried out. All materials and spares for undertaking above scope of work to be supplied by the vendor. All inway jobs included.	1	LS	XX	XX	XX
TOTAL AMOUNT INR					XX		
TOTAL AMOUNT INCLUSIVE OF GST					XX		

UNPRICE BID							
SL.NO	DL.NO	DESCRIPTION	QTY	UNIT	Unit rate	Total rate (Qty x unit rate)	GST(%)
DECK MACHINERIES							
ANCHOR WINDLASS (MAKE – ROLLS ROYCE ) (HYDRAULIC OPERATED ),MODEL (BCM 41-10),QTY- 02 NOS							
1	HA 1095	Entire hydraulic system including hydraulic pumps to be overhauled. Scope includes dismantling and overhauling/repairs of associated sub-assemblies viz. brake assembly,cable holder, warping drum, hydro motor operating head and engaging-disengaging gears. Rollers of anchor side to be dismantled and inspected bearing bush for wear and tear, lubricated and fitted back. Undertake inspection for any sign of wear & tear or damage and repairs to be under taken accordingly. Renewal of ferrodo lining of 02 brake assembly as per sample. Pump model PH-SNF 120-46. All grease nipples to be renewed. Both windlasses are to be proved for pull load testing of 08 ton. <b>Provide load test certificate from the authorized agency. SWL- 08 T, Test Load - 10 T.</b> Embossed talley of "ENGAGE", DISENGAGE" on levers and "CLOSE", "OPEN " on hand wheels to be fitted. All talleys 02 nos each. System to be proved for satisfactory operation post overhauling.All spares will be supplied by the yard. All consumables like nut, bolt, grease etc to be renewed as part of scope. All consumables to be arranged by the vendor.	2	NOS			
2	HA 1096	High pressure Hydraulic piping system for windlass to be dismantled, cleaned. (Size – 80 NB, Mat. SS, length – 50 mtrs) working pressure 57 Bar, Test Pressure 85 Bar. Vendor to take precautions- motors / pump, non-return valve, change over valve and filters to be by passed during the chemical cleaning. Each- 40 pipe lines and 04 no deck flanges. All materials & consumables to be supplied by the vendor.	1	LS			
3	HA 1097	Expansion and RU tank to be thoroughly cleaned. Tank Height – 1.15 Mtr, Dia- 0.5 & 0.35 Mtr, Capacity – 220 Kg. All materials & consumables to be supplied.All inway jobs to be included.	1	LS			
MOORING CAPSTAN MAKE -(ROLLS ROYCE ) (HYDRAULIC OPERATED ),MODEL-MX2208,QTY- 02 NOS							
4	HA 1099	Entire hydraulic system including hydraulic pump to be overhauled. Scope includes dismantling and overhauling/repairs of associated sub-assemblies. Undertake inspection for any sign of wear & tear or damage and repairs to be under taken accordingly. Both Capstans are to be proved for pull load testing of 08 ton. <b>Provide load test certificate from the authorized agency SWL- 08 T, Test Load - 10 T.</b> Load testing is to be undertaken in accordance with NCD-3910. OIL- VG -100 or equivalent- 420 Ltr. All spares will be supplied by the yard. All consumables like nut, bolt, grease etc to be renewed as part of scope. All consumables to be arranged by the vendor.	2	Nos			
5	HA 1100	High pressure Hydraulic system piping for capstan to be dismantled and chemically to be cleaned. (Size – 80 NB, Mat. SS, length - 42 mtrs) working pressure 57 Bar, Test Pressure 87 Bar. Firm to be undertake precautions for motors / pump, non-return valve, change over valve and filters or by passed during the chemical cleaning. All materials & consumables to be supplied by the vendor.	1	Ls			
6	HA 1101	Expansion and RU tank to be thoroughly cleaned. Tank Height – 1.15 Mtr, Dia- 0.5 & 0.35 Mtr, Capacity – 220 Kg. All materials & consumables to be supplied and All inway jobs to be included.	1	Ls			
SWEEPING ARM CRANE - MAKE- NORCRANE, NORWAY, MODEL-NCW-DSA-115-0609, QTY- 02 NOS.							
7	HA 1103	Both sweeping arm cranes to be thoroughly overhauled. Scope includes following:- (i) Overhauling of hydraulic pumps. (ii) Overhauling of lowering/hoisting hydro motor winch (02 winch on each crane). (iii) Overhauling of lowering/hoisting swivel hooks (02 hooks per crane). (iv) Overhauling of wire sheaves and pin assembly (02 sheaves and pin on each crane). (v) Overhauling of slewing cylinder, slewing bearing. (vi) Verify the control valves block integrity. (vii) Overhauling and re-setting of the counter balancing mechanism. (viii) Overhauling and setting of distribution blocks, non-return valves and pressure relief valves, operating head assembly. (ix) Remove wire rope and examine for serviceability, clean corrosion marks if any, grease and fit back. If the rope found frayed/ damaged renewed the same and crimping with hook and winches. (x) Overhauling of 04 in nos. valve manifold and proved for any leakage. (xi) vendor to cater for dismantling of crane arm for overhauling of pivot mechanism and replacement of all associated fasteners. (xii) Overhauling of hydraulic ram fitted and replacement of cylinder seal assembly. (xiii) Clean hydraulic tank and renew hydraulic oil. <b>Provide load test certificate from the authorized agency [SWL -1.6 T,4.1 T and Test Load 2.1T, 5.5T].</b> <b>Load test certificate</b> to be submitted on completion of entire job. Safe working load Hook 1- 4.38 tons, Hook 2- 1.68 Tons. All consumables and spares [Overhauling Spares, oil, wire rope, fasteners, etc. ] for under taking the above scope of work to be arranged by the contractor. Required Hydraulic oil to be supplied.All inway jobs included.	2	NOS			
8	HB 1153	(a) 02 in nos Guide Winch for Side Sweeping arms (Port and Stbd) to be overhauled along with operational control block and examine the condition of wire rope if any protrusions occurred needs to renewed. Mat -SWR 6X37, Dia-12mm, Length- 30 Mtr(each). All consumables and spares for undertaking the above scope to be arranged by the contractor. All inway jobs included.	2	NOS			
DECK CRANES-02 NOS							
9	HA 1105	Both Pollution control cranes to be thoroughly overhauled. Scope includes following:- (a) Overhauling of hydraulic pumps (b) Overhauling of lowering/hoisting hydro motor winch (c) Overhauling of lowering/hoisting swivel hooks (d) Overhauling of wire sheaves and pin assembly (e) Overhauling of slewing cylinder, luffing cylinders, slewing bearing (f) Verify the control valves block integrity (g) Overhauling and re-setting of the counter balancing mechanism. (h) Overhauling and setting of distribution blocks, non-return valves and pressure relief valves, operating head assembly. (i) Overhauling of 04 in nos. valve manifold and to be proved for any leakage. (k) Overhauling of crane arm for overhauling of pivot mechanism and replacement of all associated fasteners. (l) Overhauling of hydraulic ram and replacement of cylinder seal. (m) Remove wire rope and examine for serviceability, clean corrosion marks if any, grease and fit back. If the rope found frayed/ damaged renewed the same and crimping with hook and winches. (n) Overhauling and proving of 02 in nos. direction control valve manifold. (p) Clean hydraulic tank & renewed hydraulic oil. Load test certificate to be submitted on completion of entire job from the authorized agency. Safe working load 5.0 tons, Test Load Static -6.25 T [05 mtr], Dynamic- 5.5 T [ 05 mtr], 1.6 T [10 mtr]. All consumables and spares [Overhauling Spares, oil, wire rope, fasteners, etc. ] for under taking the above scope of work to be arranged by the contractor. Required Hydraulic oil to be supplied.All inway jobs included.	2	NOS			
10	HB 1106	Play observed 02 in nos. rotating pulley along with supporting disc due to fear wear & tear between the pulley and disc in Port and Stbd Deck Cranes. During hoisting and lowering movement, steel wire rope observed to be slipping from the pulley. <b>To be renewed as per sample. Material to be supplied.</b> (Mat – Teflon, Dia- 450 mm, Thickness – 40mm, Groove Clearance- 18 mm). All In-way job includes removal of mounting assembly and fitment post completion of works.All consumables and spares for under taking the above scope of work to be arranged by the contractor.	2	NOS			
POLLUTION CONTROL BOAT DAVIT -02 Nos							
11	HA 1107	Both Pollution control boat davits are to be thoroughly overhauled. Scope includes following:- (i) Overhauling of hydraulic pumps (ii) Overhauling of lowering/hoisting hydro motor winch (iii) Overhauling of lowering/hoisting swivel hooks (iv) Overhauling of wire sheaves and pin assembly (v) Overhauling of slewing cylinder luffing cylinders and slewing bearing (vi) Verify the control valves, pressure relief valves and block integrity (vii) Overhauling and re-setting of the counter balancing mechanism. (viii) Overhauling and setting of distribution blocks, non return valves and pressure relief valves, operating head assembly. (ix) Overhauling of 04 in nos. valve manifold and to be proved for any leakage. Dismantling of crane arm for overhauling of pivot mechanism and replacement of all associated fasteners. (x) Overhauling of hydraulic ram fitted and replacement of cylinder seal assembly. (xi) Remove wire rope and examine for serviceability, clean corrosion marks if any, grease and fit back. If the rope found frayed/ damaged renewed the same with hook and winches (xii) Renewal of all hydraulic hoses (xiii) Overhauling and proving of 02 in nos. direction control valve manifold. (xiv) Overhauling of hydraulic hand pump and to be proved. (xv) All hydraulic oil accumulator for emergency operation to be drained, internally cleaned and pressure tested with associated systems and valves. Emergency operations to be proved on completion. (xvi) Inspect the ante hook & anti rolling assembly for the functioning, ease and lubricate associate fittings and check for smooth operation. (xvii) Submit load test certificate, SWL -3.875T,Static- 4.8T, Dyn- 4.3 T (xviii) Clean hydraulic tank and renew hydraulic oil. Load test certificate to be submitted on completion of entire job from the authorized agency.All consumables and spares [Overhauling Spares, oil, wire rope, fasteners, etc. ] for under taking the above scope of work to be arranged by the contractor. Required Hydraulic oil to be supplied.All inway jobs included.	2	NOS			

<b>PC BOAT (02 IN NOS.) MAKE- JEMARNORPOWER AS, LENGTH - 25 FT</b>							
12	HA 1111	Hendrickson hook with remote release unit for hooking and unhooking of the boat to be checked for the proper functioning and overhaul the same. All material for under taking the above scope of work to be arranged by the contractor. Load test certificate to be submitted on completion of entire job from the authorized agency. SWL 3.875 T and Test Load 4.8 T.	2	NOS			
<b>RESCUE BOAT (01 IN NO) MAKE- SOLAS, LENGTH - 6 MTR</b>							
13	HA 1113	Hendrickson hook lever operated for hooking and unhooking of the boat to be checked for the proper functioning and overhaul the same. Load test certificate to be submitted on completion of entire job from the authorized agency. SWL 3 T and Test Load 4.5 T. All material for under taking the above scope of work to be arranged by the contractor.	1	NOS			
<b>TOWING HOOK-75 T, M/S NAUTILUS ENGG CONSTRUCTION, MANGALORE</b>							
14	HA 1119	Towing hook to be overhauled and proved for proper functioning, carry out visual survey of foundation and weld joints involving class surveyor. Remote release mechanism to be overhauled and proved for satisfactory operation manually and pneumatically. Job involves, following:- (i) Renewal of all grease nipples (ii) Renewal of pneumatic hose with end fittings. Mat - Copper (Dia -5 mm, length -7 Mtr) (iii) Renewal of flexible hose connection for pressure reducer assembly. (Dia -10 mm, length -03 Mtr) (iv) Check and repair solenoids for satisfactory operation of Towing hook Visual Survey by the surveyor to be carried out. All inway jobs included. All material and spares for under taking the above scope of work to be arranged by the contractor.	1	LS			
15	HA 1120	Carry out Survey/Load testing (Non Destructive test) by Class Surveyor, SWL-75 Tonnes	1	LS			
<b>RESCUE BOAT DAVIT-01 NO. MAKE : NOR CRANE</b>							
16	HA 1123	Rescue Boat boat davit to be thoroughly overhauled. Scope includes following:- (i) Overhauling of hydraulic pump. (ii) Overhauling of lowering/hoisting hydro motor winch. (iii) Overhauling of lowering/hoisting swivel hooks. (iv) Overhauling of wire sheaves and pin assembly. (v) Overhauling of slewing cylinder. (vi) Overhauling of luffing cylinders. (vii) Overhauling of slewing bearing. (viii) Verify the control valves block integrity. (ix) Overhauling and re-setting of the counter balancing mechanism. (x) Overhauling and setting of distribution blocks, non-return valves and pressure relief valves, operating head assembly. (xi) Overhauling of 04 in nos. valve manifold and be proved for any leakage. Dismantling of arm for overhauling of pivot mechanism and replacement of all associated fasteners. (xii) Overhauling of hydraulic ram fitted and replacement of cylinder seal assembly. (xiii) Remove wire rope and examine for serviceability, clean corrosion marks if any, grease and fit back. If the rope found frayed/ damaged renew the same and crimping with hook and winches. (xiv) Renewal of hydraulic hoses (xv) Overhauling and proving of 02 in nos. direction control valve manifold. (xvi) Overhauling of hydraulic hand pump and to be proved. (xvii) All hydraulic oil accumulators for emergency operation to be drained, internally cleaned and pressure tested with associated systems and valves. Emergency operations to be proved on completion. (xviii) Inspect the anti-hook & anti-rolling assembly for the functioning, ease and lubricate associate fittings and check for smooth operation. (xix) Inspect the base of Davit and foundation. All Overhauling Spares, consumables, oil, wire ropes, fastners and all other associate materials to be supplied by the vendor. Load testing to be carried out with the authorised agency and survey to be done by the class. SWL -1.0 T and Test Load 1.25 T.	1	NOS			
<b>ACCOMMODATION LADDERS (QTY- 02 IN NOS.) MAKE - AQUA LOGISTICS PVT. LTD., 8.5 M</b>							
17	HA 1124	Both accommodation ladders to be stripped dismantled from pivoting base. Rotating drum, Pulleys, wire rope and associated fittings of both ladders to be dismantled and overhauled. Steel Wire Rope Dia - 10 mm, Length - 35 Mtr. All spares , materials and consumables to be supplied by the vendor. All inway jobs included. Load test certificate to be submitted on completion of entire job from the authorized agency. Test Load 1.65 T.	2	NOS			
<b>GEMINI DAVIT (QTY-01NO.) MAKE- BHAWANI ENGG. WORKS. MUMBAI</b>							
18	HA 1125	Entire Gemini davit to be overhauled. Scope includes following:- (i) Overhauling of hoisting/lowering reduction gear box and slewing gear box (ii) Overhauling of sheave block and hook assembly (iii) Renewal of bearings fitted on wire rope drum. (iv) Dismantle the Davit from foundation and inspect the holding down bolts. If found defective to be renewed. (v) Davit arm to be chipped, cleaned and inspected for structural soundness. (vi) On completion of overhauling and repair, the davit to be assembled and proved for operation. Steel Wire Rope Dia - 12 mm, Length - 30 Mtr. All spares , materials and consumables for undertaking above scope of work to be supplied by the vendor. All in way jobs included. Load test certificate to be submitted on completion of entire job from the authorized agency. Safe working load 1.0 tons, Test Load 1.25 T.	1	NOS			
<b>HANGAR TELESCOPIC SYSTEM GEAR BOX, MAKE- NORCRANE, DEALER - SEW-EURODRIVE INDIA PVT LTD, MUMBAI</b>							
19	HA 1126	Hangar Telescopic traverse operating mechanism gear box to be overhauled. Clutches to be dismantled and overhauled. All sheaves to be overhauled. Track assembly to be overhauled and lubricated. All seals and oil to be changed. Remove wire rope and examine for serviceability, clean corrosion marks if any, grease and fit back. If the rope found frayed/ damaged renew the same. Steel Wire Rope Dia - 12 mm (6 x 37 fiber core), Length - 45Mtr. All spares , materials and consumables for undertaking above scope of work to be supplied by the vendor. All in way jobs included.	1	LS			
20	HA 1127	Hangar shutter to be thoroughly cleaned and painted with CG crest. (Size of shutter appx. 3700mm x 3700mm). Paint will be supplied by the yard. All consumables for undertaking above scope of work to be supplied by the vendor. All inway jobs included.	1	LS			
21	HB 1129	Hangar track rollers and support roller with spring constrained to move freely in the recessed track. Suspect wheel block assembly securing loosened and obstructs the side of track. 08 no wheel block assembly and 06 nos support roller arrangement to be removed and overhauled and refitted. All in-way job included. All spares and oil will be supplied by the yard. All materials and consumables for undertaking above scope of work to be supplied by the vendor.	1	LS			
<b>HANGAR SHUTTER GEAR BOX</b>							
22	HB 1131	Helio hangar shutter operating gear box to be overhauled and gear box to be proved for smooth operation. Class survey to be carried out. All materials and spares for undertaking above scope of work to be supplied by the vendor. All inway jobs included.	1	LS			
<b>TOTAL AMOUNT INR</b>							
<b>TOTAL AMOUNT INCLUSIVE OF GST</b>							

## TERMS AND CONDITIONS

(To be duly filled and submitted along with offer)

Sr. no.	Description	Compliance by the supplier (Yes/No). In case of 'No', reasons to be provided.
1	To quote for Entire services and material as detailed are each specified in DL.	<div>YES</div> <div>NO</div>
2	Transportation of any equipment / parts if required to workshop for undertaking repair to be arranged by contractor. All cost to be included in above scope. No separate transportation charges will be provided	<div>YES</div> <div>NO</div>
3	<b>Completion Period:</b> Entire work scope to be completed within 60 days from LOI/PO.	<div>YES</div> <div>NO</div>
4	All associated works related to Scope of work to be undertaken by contractor.	<div>YES</div> <div>NO</div>
5	All general Consumables (other than Spares) like Nuts, bolts, gaskets, Orings etc required for undertaking the repair job will be in contractor scope	<div>YES</div> <div>NO</div>
6	<b>Liquidate Damages:</b> LD at the rate of 0.5 % of the contract value per week or part thereof subject to a maximum ceiling of 10 % of the contract value, will be deducted from the contractor's bill, in the event of failure of the contractor to complete the work within the stipulated completion period or by the expiry of any extension period granted by CSL.	<div>YES</div> <div>NO</div>
7	All tools and Tackles, Lifting appliances for undertaking the job to be arranged by contractor. Crane and forklift assistance will be arranged by Shipyard.	<div>YES</div> <div>NO</div>
8	Welding involved, to be undertaken by IRS approved welder. Welder certification to be provided.	<div>YES</div> <div>NO</div>
9	Entire work scope to be completed as per mutual agreement with execution officer	<div>YES</div> <div>NO</div>
10	All Safety rules and regulation of the shipyard to be adhered by contractor	<div>YES</div> <div>NO</div>
11	All works will be considered completed only after certification by CSL / Ship crew post successful trials.	<div>YES</div> <div>NO</div>
12	Any staggered work requirements shall also be carried out as per the directives of executing officer. Any deviation in the scheduled dates shall be as per the discretion of CMSRU	<div>YES</div> <div>NO</div>

13	Man entry Passes to CMSRU will be provided Free of cost. Dock entry permits for movement of material in dock shall be arranged by contractor. Necessary recommendations for the dock entry permit will be issued by the CMSRU.	YES	NO
14	The decision of the CSL officer-in-charge/ Indian Coast Guard will be final and binding on the contractor as regard the quality and suitability of the material.	YES	NO
15	Subcontracting to other vendors shall be only after written intimation and approval of competent CMSRU authorities. Vendor shall not delegate or subcontract any of its obligations under the agreement without CSL's written consent. Vendor will remain liable for all subcontracted obligations and all acts or omissions of its subcontractors	YES	NO
16	This work is being undertaken in Cochin Shipyard Limited, Mumbai Ship Repair Unit. The nature of work will require transfer of equipment to workshops and machining works based of requirements. Therefore it is mandatory for the tender participating firm to have workshop within 50 kilometers of Mumbai Port trust, Green Gate.	YES	NO
16	I/we hereby give an undertaking that I/we understood the terms and conditions mentioned in the subject enquiry and I/ we are ready to adhere to the terms and conditions of the subject work.	YES	NO

**Contractor's Seal & Signature**

TENDER QUALIFICATION CRITERIA  
REFIT WORK OF DECK MACHINERY SYSTEM

TECHNICAL EXPERIENCE CRITERIA: -

1. Should have undertaken DECK MACHINERY SCOPE which includes hydraulic system overhauling on board Ships Preferably Indian Navy ships / Indian Coast Guard Ships in the last 7 years:
2. The firm should submit documentary evidence for completion of repair work contract signed with Vessel owner as a proof of undertaking contract.
3. CSL/CMSRU reserve the right to reject your bid based on your financial statement / work completion certificate in case of any apprehension on your technical capability to execute the work on time.

## **General Terms and Conditions**

1. Tenderers are to carefully go through the terms and conditions and the techno commercial specification of the items for which offers are called for. Deviations, if any, shall be separately listed and specifically brought out in the offer. CSL reserves the right to accept / reject the deviations.
2. Corrections and additions, if any, must be attested. Incomplete/ ambiguous offers are likely to be rejected.
3. In case of bids sent through email, then the documents should be password protected and the passwords should be passed on to the concerned officer while attending the bid opening or by email / SMS immediately before the tender opening against the request from officer.
4. Indigenous tenderers should quote prices for delivery of materials at CSL/CMSRU stores
5. Prices should be valid for acceptance for a period of Six months (06 months) from the date of opening of tender.
6. No enhancement of rate for whatever cause will be allowed once the offer is accepted and an order is placed. Withdrawal of the quotation after it is accepted or failure to make the supply within the stipulated delivery period will entail cancellation of the order and forfeiture of Earnest Money Deposit/Security deposit, if any and/or risk purchase.
7. Taxes and duties, if any, payable extra are to be indicated in the price part for single bid and in techno-commercial part for two bid.
8. Delivery term and delivery time / work completion time required for completing the job scope should be indicated in the offer.
9. The firm/ bidder winning the contract shall sign an agreement with Cochin Shipyard Ltd for "Fall clause". Accordingly, during the contract period, the firm / bidder cannot offer the item/s to anyone else at rates lower than the rates quoted, or the same lowest rate shall be applicable to the contract with CSL/CMSRU
10. Manufacturer's name, their trademark and brand, if any, should invariably be mentioned and illustrative leaflets giving technical particulars etc., should be attached to the offer.
11. Materials supplied shall be new and unused and shall confirm to CSL/CMSRU specifications and drawings.
12. Products supplied shall be nontoxic and harmless to health. In the case of toxic materials, Material Safety Data Sheet may be furnished along with the material.
13. Samples are to be supplied free of cost in the event of requirement by CSL/CMSRU. The detailed working drawing, if called for, is also to be furnished for approval before commencement of manufacture.
14. The quantities in each item to be purchased may vary according to actual requirement at the time of placing orders.
15. Force Majeure condition: Should failure in performance of the contract or part thereof arise from war insurrection, restraint imposed by Government, Act of Legislature or other Statutory Authority or illegal strike, riot, legal lock-out, flood, fire, explosion, act of God or any inevitable or unforeseen event beyond human control which may be construed as reasonable ground for an extension of time, CSL/CMSRU may allow such additional time as is mutually agreed, to be justified by the circumstances of the case. The occurrence/ cessation of force majeure situation is to be informed with documentary evidence within 15 days from the date of occurrence/cessation.

16. LD Clause: In case of delay in supply of ordered materials / delay in completion of work beyond the stipulated delivery / completion period which is not attributable to CSL, vendor is to pay liquidated damages (and not by way of penalty) a sum equivalent to ½% (half percent) per week or part of the week of the order value (basic price) in the case of machinery/equipment and of the value of materials / services delayed in the case of all other items/services subject to a maximum of 10% of the order value (basic price). For service orders, completion date as confirmed by the executing officer shall be reckoned for LD calculation.
17. Risk Purchase: If the supplier fails to supply the items ordered/complete the job scope within the delivery/completions date or violate any of the terms and conditions of the contract, CSL/CMSRU shall have the following rights.
  - (1) To terminate the contract with 15 days' notice forfeiting the security deposit.
  - (2) To initiate alternate procurement action at the risk and cost of the vendor.
18. Guarantee: The equipment supplied shall be guaranteed for satisfactory performance for 12 months from the date of commissioning or 18 months from the date of delivery of items whichever is earlier against faulty design, defective materials and bad workmanship. Supplier should supply and install free of cost immediately any part found to be defective for the above reasons within the guarantee period. The Services shall be guaranteed for a minimum period of 06 months from the date of successful commissioning/final acceptance.
19. Suppliers are generally allowed to depute their authorized representative to be present at the time of opening of the price bid. However, this will be subject to the discretion/SOP of CSL, in view of the restrictions imposed by Govt/local body/CSL due to Covid-19 outbreak. At present, in view of COVID-19 pandemic, Vendors are not allowed inside CSL to attend opening of the price bid.
20. Cochin shipyard Ltd prefers to deal directly with the supplier. However, if the supplier appoints an Indian agent to deal with Cochin shipyard Ltd., the agency commission payable by the supplier to such an agency shall be intimated. If manufacturers affect the supply through agents only, authorization in writing from manufacturers in favour of the agent for supply to CSL shall be furnished. In case where an agent participates a tender on behalf of a foreign manufacturer Indian agent should submit specific authorization from the authorized person of foreign manufacturer. In a tender, either the Indian agent on behalf of the principal/ OEM or principal/ OEM itself can bid but both cannot bid simultaneously for the same item/ product in the same tender. If an agent submits bid on behalf of principal/ OEM, the same agent shall not submit a bid on behalf of another principal/ OEM in the same tender for the same item/product. Indian agents cannot represent more than one firm or quote on their behalf for any particular tender. Clarifications, either technical or commercial, should be submitted to points specially asked for only. The opportunity so given should not be used for correcting/changing/amending the data/conditions already submitted with the tender.
21. Jurisdiction: All questions, disputes or difference arising under, out of, or in connection with contracts shall be subject to the exclusive jurisdiction of the Courts at Ernakulum, Kerala, India.
22. In case advance payment is sought, interest at prime lending rates prevailing in India will be charged. In addition, a Bank Guarantee in the CSL format equivalent to advance amount

is to be executed to cover the period till the advance payment is adjusted. Normally Advance payments are not encouraged.

23. Conditional discounts, if any, will not be reckoned for tender evaluation/ comparison purposes. However the same will be considered while placement of purchase order if the firm turns out to be L1.
24. After submission of tender, no unsolicited correspondence will be entertained.
25. Cochin Shipyard Limited does not bind itself to accept the lowest or any tender but reserves to itself the right to reject any or all or a part of any tender at its discretion.
26. Deviations, if any, in the offer submitted from that of the tender enquiry in any form, should be clearly furnished in a separate document titled as "List of Deviations", failing which it will be presumed that all the terms and conditions are acceptable.
27. Public Procurement Policy initiatives of Govt. of India, pertaining to MSME's, startup etc as per CSL website ([www.cochinshipyard.in](http://www.cochinshipyard.in)) shall be applicable for this tender.
28. Vendor is solely responsible for the safety of its personnel inside CSL. Service provider will be responsible for the safety of personnel engaged and shall adopt all safety measures to comply with safety regulations in force in CSL. Service representative working onboard should maintain proper dress code as per CSL standards. They shall submit electronic challan remittance copy of ESI&EPF details of their employees and employee compensation policy details for employees not falling under ESI limit during the submission of invoice, documents supporting for facilitating gate access. They are bound to follow safety guidelines applicable in CSL like safe usage of tools & tackles, electrical safety guidelines, gas management system etc. Scrap management system & disposal of hazardous chemicals used to dispose by contractor itself on his own responsibility. Work place hygiene to be ensured by contractor itself.
29. Asbestos should not be part of any material /packing material supplied to CSL.
30. Shall abide by CSL rules for entry and exit of man and materials. Vendor and personnel will comply with: (1) all procedures and policies provided by CSL, including CSL's, environmental, health, safety, and security procedures, and related management systems when performing services at CSL facilities.
31. Service provider will have to abide by the various laws & regulations such as Contract Labour Regulation (Abolition) Act, ESI Act 1948, EPF Act 1952 etc as applicable. In case your employees are already covered under EPF/ESI scheme, their respective account numbers are to be furnished along with copy of challans as proof for remittance of ESI & EPF. If any employee is exempted from ESI, valid proof for the same also shall be submitted before commencement of work. Labor deputed for the work shall not have crossed over 60 years. Submission of above documents is statutory for issue of entry passes for working inside CSL. This is also required for releasing the payment since CSL site is permanently covered under above noted regulations. The certificate of compliance from Contractor as per attached format shall also be filled and submitted along with submission of bills for payment. Bills without duly certified "certificate of compliance from Contractor" shall not be passed for payment. (Form for Compliance of Provisions of various labour Enactments attached as Enclosure - 4)
32. Vendor will package products according to instructions of CSL provided in the purchase order, and if nothing is provided, then according to good commercial practice to ensure safe arrival of the products. Avoid plastic materials for packing to the extent possible. Packing material shall be ecofriendly. Vendor should follow the statutory requirements of the products offered. In case of chemicals and toxic materials being supplied, vendor should furnish material safety data sheet (MSDS) compulsorily along with the material.

33. Acknowledge the receipt and acceptance of purchase order/Work order by signing and returning a copy of the same within three days of receipt of the same. If the acknowledgement is not received, it will be presumed as accepted.
34. Subcontracting to other vendors shall be only after written intimation and approval of competent CSL authorities. Vendor shall not delegate or subcontract any of its obligations under the agreement without CSL's written consent. Vendor will remain liable for all subcontracted obligations and all acts or omissions of its subcontractors.
35. The procedures of work, standard operating procedures of work including documents like welding procedure specifications developed by CSL are intellectual property of CSL. Vendors shall not use or copy the procedure in any format without the written consent of competent authorities of CSL.
36. Vendors shall take back rejected products, if any, and immediately supply new product/rectified product at vendor's expense, including all freight costs.
37. For product that is discovered defective during the warranty period, vendor will, at vendor's expense replace or repair defective product and re-deliver such repaired or replaced product to CSL within a commercially reasonable timeframe agreed by CSL.
38. Except as specifically stated in the purchase order, vendor will be responsible for all costs incurred in connection with providing the services, including personnel's expenses.
39. CSL is not obligated to pay any invoice submitted 180 days or more after a product is shipped or services are completed.
40. Vendor shall return the CSL resources to CSL immediately after provision of all deliverables and services or any termination of the agreement.
41. Vendor warrants that the products and services will comply with their specifications and will be of good quality acceptable to CSL/ship and must be fit for any purpose made known to vendor.
42. Vendor warrants that the products will be new, unused, and not refurbished at the time of delivery, and will be safe for normal use and free from defects in design, materials, and workmanship during the warranty period.
43. Vendor warrants that for software provided by vendor, (1) there is no open source software in the products (or any other items provided by vendor), unless vendor has notified CSL in writing before delivery and CSL has consented in writing to accepting this open source software, and (2) the software will not damage, interfere with, or permit unauthorized access to any other existing products or systems on which it is installed or any information residing on those products or systems.
44. Vendor and personnel will (1) keep confidential the terms of the agreement and all non-public and proprietary CSL information, and will only use such information to provide products and services under the agreement, and will not disclose such information except to the extent required by law after giving reasonable notice to CSL, if permitted by law; and (2) not use in providing products or services or disclose to CSL any materials or documents of another party considered confidential or proprietary unless it has obtained written authorization from that party and CSL.
45. Vendor will indemnify CSL and its affiliates, directors, officers, and employees against all liabilities, damages, losses, costs, fees (including legal fees), and expenses relating to any allegation or third-party legal proceeding (including action by a government authority) to the extent arising from an allegation that use, possession, or sale of the products or services violates or infringes a third party's rights, including intellectual property rights; or an allegation that any personnel are entitled to employee compensation, benefits, or other rights or transfer law rights, except to the extent caused by CSL's unlawful acts or omissions.

46. No enhancement of rate for whatever cause will be allowed once the offer is accepted and an order is placed. Withdrawal of the quotation after it is accepted or failure to make the supply within the stipulated delivery period will entail cancellation of the order and forfeiture of earnest money deposit/security deposit, if any and/or enforcement of risk purchase clause.
47. List of deviations from the general terms and conditions shall be submitted and the same shall be mutually acceptable. In the event of no deviation list submitted by the vendor, it is presumed that all conditions are accepted by the vendor.
48. All certificates called for in order specification must be sent to CSL at the time of delivery of items all the material supplied must satisfy CSL quality requirements.
49. Invoice:
  - (i) All invoices must be sent to CSL on delivery of items /work completion as per the order terms
  - (ii) Purchase order number and date and dispatch particulars should be clearly mentioned in the invoice.
  - (iii) Wherever payments are authorized through bank, copy of the invoice should be forwarded directly to CSL under intimation so as to facilitate release of document in time. All bank charges will be to vendor's account.
  - (iv) When the payment is in installments, separate invoice is required for each payment.
  - (v) 100% payment will be made against your invoice on satisfactory completion of the work.

The documents for releasing payment - original invoice with service report duly signed by vessel owner and CSL officer-in-charge along with documentary proof of expenses after satisfactory completion of work.

50. "In case imported items are part of the items required for the job Customs duty exemption can be availed by CSL if order for these imported items is placed on high sea sales basis by CSL or direct import order on bidder's principals for import items by CSL. In case of import orders/ high sea sales, the offer has to be on CFR basis to the nearest airport/as mentioned in the enquiry.

The customs clearance, DO charges payment and IGST payment against bill of entry shall be done by CSL.

In case of direct import orders by CSL, copy of Airway bill, foreign currency invoice and packing list would be required. In case of High Sea Sale, HSS agreement and INR invoice in addition to copy of Airway bill, foreign currency invoice and packing list shall also be required.

The copy of all documents to be forwarded to CSL by email at least two days prior to arrival of the consignment at Airport for CSL to arrange the Customs exemption documents and file Bill of entry prior/ latest on date of arrival of the consignment itself. In case of any delay in receipt of documents, the bill of entry late filing fine shall be adjusted from the vendors payment."

Tender conditions for Restriction of bidders sharing land border with India is attached below and certificate as required in the below conditions to be submitted along with tender documents.

**Tender conditions for Restriction of bidders sharing land border with India vide Office memorandum dt 23.7.2020 Order - Public Procurement no 1 dt 23.7.2020, Order no 2 dt 23.7.2020 and Order no 3 dt 24.7.2020**

<b>A</b>	<b>Requirement of registration</b>
<b>1</b>	Any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with competent authority as per C below. In works contracts, including turkey contracts, contractors shall not be allowed to sub contract works to any contractor from a country which shares a land border with India unless such contractor is registered with Competent authority. Relevant certificate to be submitted by bidder from a country which shares land border with India except for bidders to which Govt of India has extended lines of Credit or in which Govt of India has development projects, along with the offer as proof of registration with competent authority, failing which the offer will not be considered. A certificate is to be submitted by the bidder for compliance with the order referred above along with tender documents for consideration of offer (Wordings are as per Clause below). If such certificate given by a bidder whose bid is accepted is found to be false, this would be a ground for immediate termination and further legal action in accordance with law.
<b>2</b>	Wordings of certificate to be submitted along with tender documents
	I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India. I hereby certify that this bidder is not from such a country or, if from such a country, has been registered with the competent authority. I hereby certify that this bidder fulfils all requirements in this regard and is eligible to be considered. (Evidence of valid registration by the competent authority shall be attached wherever applicable).
<b>2</b>	Wordings of certificate to be submitted along with tender documents for Works involving possibility of subcontracting
	I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India and on subcontracting to contractors from such countries. I certify that this bidder is not from such a country or if from such a country has been registered with the competent authority and will not subcontract any work to a contractor from such countries unless such contractor is registered with the competent authority. I hereby certify that this bidder fulfils all requirements in this regard and is eligible to be considered (Evidence of valid registration by the competent authority shall be attached wherever applicable)
<b>B</b>	<b>Validity of registration</b>
<b>1</b>	Registration should be valid at the time of submission of bids and at the time of acceptance of bids. In respect of supply otherwise than by tender, registration should be valid at the time of placement of order. If the bidder is validly registered at the time of acceptance /order placement, registration shall not be a relevant consideration during contract execution.
<b>C</b>	<b>Competent authority and Procedure for registration</b>

<b>1</b>	The competent authority for the purpose of registration under the order shall be Registration committee constituted by the Department of Promotion of Industry and Internal Trade (DPIIT). Details of the committee and procedure for registration and restrictions shall be as per Ann I of the Order - Public Procurement no 1 dt 23.7.2020 issued by Ministry of Finance, department of Expenditure.
<b>D</b>	<b>Definition of Bidder and Bidder from a country sharing land border with India</b>
<b>1</b>	Bidder is defined as any person or firm or company including any, member of a consortium or joint venture, every artificial, juridical person not falling in any of the descriptions of bidders stated hereinbefore, including any agency, branch or office controlled by such person, participating in a procurement process.
<b>2</b>	"Bidder from a country which shares a land border with India" for the purpose of this Order means:- a) An entity incorporated, established or registered in such a country; or b) A subsidiary of an entity incorporated, established or registered in such a country; or c) An entity substantially controlled through entities incorporated, established or registered in such a country; or d) An entity whose beneficial owner is situated in such a country; or e) An Indian (or other) agent of such an entity; or f) A natural person who is a citizen of such a country; or g) A constitution or joint venture where any member of the consortium or joint venture falls under any of the above.
<b>3</b>	<b>Type of business entity</b> (Private Limited Company/ Public Limited Company/ Sole Proprietorship/ One Person Company/ Partnership/ Limited Liability Partnership/ Joint Venture/ Trust/ NGO) In case of incorporated entity - to attach certificate of incorporation
	<b>Beneficial Owners</b> - as defined in the Department of Expenditure Order (Public Procurement No.1) issued vide No. F.No.6/18/2019-PPD dated 23 <sup>rd</sup> July, 2020. Details of all beneficial owners having entitlement of more than 01% of shares or capital or profit to be given, in the format as given in Annexure-I duly certified by practicing Chartered Account in India.

51. Following are the Tender Conditions Preference to Make in India

<b>Tender condition - Preference to Make in India</b>	
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A	Purchase preference in accordance with Public procurement (Preference to Make in India Order - 2017) Order from Department of Promotion of Industry and Internal Trade P - 45021 /2/2017/-B.E -II dt ,4.6.2020 and as amended from time to time shall be applicable as per below	
1	In the procurement of all goods/services/works in respect of which there is sufficient local capacity/local competition, only Class I Local suppliers shall be eligible to bid irrespective of purchase value	
2	In the procurement of all goods/services /works which are not covered as above and with estimated value of purchase less than Rs 200.0 Crores, only Class I local suppliers along with Class II local suppliers shall be eligible to bid.	
	<b>Purchase preferences for Class I local suppliers</b>	
B	In the procurement of goods/works covered under 2 above and which are divisible in nature, Class I local supplier shall be eligible for Purchase preference over Class II/Non local supplier as per following	
1	If L1 bid is not a Class I local supplier, 50% of the order quantity shall be awarded to L1. Thereafter the lowest bidder among Class I local supplier will be invited to match the L1 price for the remaining 50% quantity subject to Class I local supplier quoted price falling within 20% margin. Contract for that quantity shall be awarded to such Class I local supplier subject to matching L1 price. In case such lowest eligible Class I local supplier fails to match L1 price or accept less than offered quantity, next higher Class I local supplier within 20% margin shall be invited to match the L1 price for the remaining qty and so on. If some quantity is left uncovered on Class I local supplier, such balance quantity shall be ordered on L1 bidder.	
2	For procurements that are not divisible in nature and in procurement of services evaluated on price alone, Class I local supplier shall get purchase preference over Class II/Non local supplier as per below	
3	If L1 is not a Class I local supplier, lowest bidder among Class I local supplier will be invited to match L1 price subject to Class I local supplier quoted price falling within 20% of L1 price and contract will be awarded to such Class I local supplier, subject to matching L1 price. In case such lowest eligible Class I local supplier fails to match L1 price, procedure same as para 3 above will be opted. In case none of Class I local suppliers within 20% margin matches L1 price, contract shall be awarded to L1 bidder. The purchase preference as above will be only for Class I local supplier and Class II local supplier will not be eligible for any Purchase preference	
C	Local content requirement to categories a supplier as Class I/Class II /Non local supplier shall be as per below. Definition of local content shall be as per order dt 4.6.2020 ie amount of value added in India which shall be the total value of the item procured (excluding net domestic indirect taxes) minus the value of import content in the item (including all customs duties) as a proportion of total value in percentage.	

1	Class I -Local content equal to or greater than 50%	
2	Class II-Local content greater than 20%, less than 50%	
3	Non local -Local content less than 20%	
<b>D</b>	<b>Declaration of local content</b>	
1	Class I local supplier /Class II local supplier at the time of tender shall indicate % of local content and provide self-certification that offered item shall meet the local content requirement for ClassI/Class II as applicable including details of locations at which local value addition is made.	
2	In case of procurement for a value in excess of Rs 10.0 Crores Class I/Class II local supplier is to provide a certificate from statutory auditor/cost auditor(for companies) /practicing cost accountant/Chartered accountant (suppliers other than companies) indicating % of local content	
3	Verification of the Certificates issued by the bidder shall be carried out by CSL on random basis. False declarations will attract actions as stipulated in the order referred, including other actions as permissible by law.	
4	Exemption is applicable from provisions of order for purchases with estimated values less than Rs 5.0 lakhs	
5	Notwithstanding above, exemptions for meeting local content as per relevant Clause of order dt 4.6.2020 and as amended from time to time shall apply.	

## 52. ARBITRATION:

1. Any disputes arising the currency of the contract shall, in the first instance be settled by mutual discussions and negotiations. The results of such resolution of dispute shall be incorporated as an amendment to the contract, failing which the parties can resort to arbitration.

2. If any dispute, disagreement or question arising out of or relating to or in consequence of the contract, or to its fulfillment, or the validity of enforcement thereof, cannot be settled mutually or the settlement of which is not herein specifically provided for, then the dispute shall within thirty days from the date either party informs the other in writing that such disputes, disagreement exists, be referred to arbitration. The arbitrators shall be appointed and the arbitration proceedings shall be conducted in accordance with and subject to the Arbitration and Conciliation Act, 1996 (No. 26 of 1996) as amended from time to time and the decision of the Arbitrators shall be final and binding on the parties hereto. The arbitration will be done by a Board comprising one officer nominated by each party, and a mutually agreed Umpire. Each party shall bear its own cost of preparing and presenting its case. The cost of arbitration shall be shared equally by the parties unless the award provides otherwise. The

enforcement of the award shall be governed by the rules and procedures in force in the State in which it is to be executed. Performance under this Contract shall however, continue during arbitration proceedings and no payment due or payable by the parties hereto shall be withheld unless any such payment is or forms a part of the subject matter of arbitration proceedings.

3. In case of disputes, the same will be subjected to the jurisdiction of courts at Ernakulum, Kerala, India only.

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## **SPECIFIC TERMS & CONDITIONS**

1. **Offer Validity:** The offer should be valid for a minimum period of Six months of date of submission of offer.

2. Work completion within 60 days from the date of confirmation of PO.

3. **Terms of Payment:** The following stage payment terms is proposed: -

Stage 1: 20% of contracted value excluding GST on submission of invoice in triplicate on completion of opening inspection of all equipment and submission of opening inspection report.

Stage 2: 40% of contracted value excluding GST on submission of invoice in triplicate on completion of boxing up of all equipment and on-board installation.

Stage 3: 40% of contracted value excluding GST on submission of invoice in triplicate on completion of sea trials.

4. Guarantee – Minimum 06 months' guarantee is required for the repaired/overhauled equipment/system and 12 months' guarantee is required for renewed equipment / system. In case of Guarantee defects, it shall be attended within 48 hours from the date of intimation.

5. **Liquidate Damages:** LD at the rate of 0.5 % of the contract value per week or part thereof subject to a maximum ceiling of 10 % of the contract value, will be deducted from the contractor's bill, in the event of failure of the contractor to complete the work within the stipulated completion period or by the expiry of any extension period granted by CSL.

6. All Material passes to be arranged by contractor. Required authorization letter only will be issued from CMSRU. Free Man entry passes will be given by CMSRU.

7. All associated works and in way jobs related to Scope of work to be undertaken by vendor. If awarded the contract the firm should not subcontract the work in part or full.

8. All Consumables like Welding rode, cutting wheel, grinding wheel. etc required for undertaking the job will be in contractor scope.

9. All works will be considered completed only after certification by CSL Execution Officer.

10. All Machines, tools and Tackles, lifting appliances for undertaking the job to be arranged by contractor. (Should be certified with competent authority and same to be produced during the work) Crane and forklift assistance will be arranged by Shipyard.
11. The agency should ensure that the personnel employed by them are working in complete compliance with CSL HSE rules. Workmen should wear PPE at all times when working within the factory premises of CSL - MSRU. PPE is to be provided by the firm including, overall, safety shoes, safety helmet, gloves, safety glasses, full body harness etc. The firm shall be entirely responsible for the safety of all personnel employed by them on the work and should ensure that the personnel are adequately covered under insurance.
12. The firm shall be solely responsible for the consequences arising out of any loss, damage or accident caused to the personnel engaged by him on duty. Any labor issues with employees have to be settled by the firm themselves. CSL – MSRU will not have any responsibility for any issue between firm and the employees, for any injury or illness to firm's workmen/other personnel during execution of work. In this regard firm will have to fully indemnify CSL – MSRU/CSL (Kochi) against any claim made by his workmen/other personnel.
13. CSL – Mumbai ship repair unit (at Mumbai port trust)/CSL (Kochi) reserves the right to award the contract to one or more firms or may split the scope of work, depending upon the actual necessity, as deemed fit.
14. CSL – Mumbai ship repair unit (at Mumbai port trust)/ CSL (Kochi) reserves the right to reject any or all the offers without assigning any reason whatsoever.
15. The firm must comply with statutory requirements, ESI/EPF, and other labor laws/regulations in force and as amended from time to time by Govt. of India. The firm must abide by minimum wages act as governed by Govt. of India rules in force and as amended in future. In case firm does not have EPF/ESI registration number, reasons thereof to be submitted along with technical bid (cover A).
16. All relevant clauses of general conditions of contract prevalent in CSL – Mumbai ship repair unit (at Mumbai port trust)/ CSL (Kochi) will be applicable to this contract also.
17. Payment shall be made for actual number of personnel engaged for actual number of days on monthly basis within 30 days of receipt of invoice in triplicate at CSL (MSRU) supported by work completion certificate/attendance log book duly certified by officer in charge/designated officer of CSL – Mumbai ship repair unit and ESI/EPF remittance documents in respect of personnel engaged for work. In

case ESI/EPF remittance documents not submitted with invoice, reasons thereof to be submitted along with invoice. The bank name, account number, IFSC code and other bank details shall be furnished by the firm in the prescribed format of CSL (Kochi). Following documents to be submitted along with the invoice to coordinating officer of CSL (MSRU).

18. Any loss/damage sustained by CSL – MSRU on account of any negligent act of the personnel engaged by the firm will be fully recovered from the firm.
19. It is clarified that the firm cannot go for arbitration for any disputes arising out of the agreement related to this contract work. Cochin Shipyard Ltd. has a grievance redressed cell and all un-resolved disputes after hearing by Chief General Manager (SR) shall be referred to the nodal officer Shri. Syamkamal N, Company Secretary, Cochin Shipyard Ltd in the specified format. All questions, disputes difference or differences arising under, out of, or in connection with the contract after hearing by Cochin Shipyard Ltd Grievance Redressal committee shall be subject to Indian Laws in force and at the exclusive jurisdiction of the courts at Kochi.
20. Failure in performance of any part of this contract arise from war, insurrection, restraint imposed by Government act or legislation of other statutory authority, from explosion, riot, legal lock-out, flood, fire, act of Govt or any inevitable or unforeseen event beyond human control which will be construed as a reasonable ground for extension of time, CSL – MSRU/CSL (Kochi) may allow such deviation as is mutually agreed to be justified by the circumstances of the case.
21. The firm shall observe and comply with the provisions of all labour and industrial laws and enactments and shall comply with and implement the provisions of the Factories Act, 1948, `Employees Provident Funds & Miscellaneous Provisions Act, 1952, Employees State Insurance Act, Payment of Gratuity Act, minimum Wages Act, Payment of Bonus Act, Contract Labour (Regulation and Abolition) Act and all other enactments as are applicable to them and their workmen employed.
22. All contract workmen, except those exempted under the respective Acts, shall necessarily be insured under the ESI scheme and be made members of the EPF Scheme from the day of their engagement as contract workmen at CSL - MSRU. All such insured contract workmen should carry with them their ESI Identity Card for verification by the authorities. No contract workmen without a valid ESI Identity Card for verification by the authorities will be permitted to work in the company.
23. Indemnity: Notwithstanding that all reasonable and proper precautions may have been taken by the contractor at all times during the progress of the work, the contractor shall nevertheless be wholly responsible for all damages, whether to

- the works themselves or to any other ship property or to the lives or persons or property of others during the progress of the works and period of maintenance.
24. If the firm fails to pay any contributions, charges or other amounts payable under any of the aforementioned provisions of law, CSL – MSRU shall deduct or adjust amounts equivalent to such contribution, charges or amounts from amount payable to the firm by CSL – MSRU including any deposit or amounts payable against bills and make payments on their account to the appropriate authority. The firm shall not be entitled to question or challenge such deductions, adjustments or payment made by CSL – MSRU.
25. Order dated 23<sup>rd</sup> March 2012, from ministry of MSME, pertaining to public procurement policy is applicable for this tender.
26. The bidder has to submit necessary documentary proof along with bids in support of their registration under MSME and NSIC to be eligible for above privileges.
27. During the evaluation of tender DM (CMSRU) may at his discretion ask the bidders for clarification in writing. Response for clarification shall be given in writing and no change in prices or substance of the bid shall be sought, offered or permitted. No post bid clarification on the initiative of the bidder will be entertained.
28. The acceptance of a tender will rest with GM (CMSRU) who does not bind himself to accept the lowest tender and reserves the right to himself the authority to reject any or all of the tenders received without assigning any reason.
29. CSL – MSRU reserves the right to terminate the contract at short notice in case the firm's performance is found not satisfactory with regard to progress of work, quality, time factor, labour dispute with their workers, poor safety records and other violation of any contract conditions. No claim whatsoever will be entertained by CSL – MSRU on this account.
30. PROHIBITION OF CHILDREN'S EMPLOYMENT: Contractor shall note and follow the Govt. of India Notification of 'Prohibition of Children's employment in the schedule occupation and process under the Child Labour (Provision and Regulation) Act, 1986".
31. **Safety Provision:** Attention is invited regarding safety provisions and adheres to the same while executing the work. In addition to the instructions stipulated therein, contractor should note that it is compulsory that every worker employed by the contractor/successful tenderers shall use PPE while the contract work is in progress, at CMSRU premises / site. The contractor should take necessary safety measures to carry out the job, without causing any accident, and shall not cause

any Loss to CMSRU either directly or indirectly. However, if any such incident took place while carrying out the work, loss to the CMSRU properties will be borne by the contractor.

32. Manpower has to be mobilized against CMSRU LOI/WO and work has to be commenced immediately as per the instruction of executing officer.
33. Vendors are strongly advised to visit work site prior to quoting.
34. Vendors should be able to carry out and complete the work at CMSRU, Mumbai and all the necessary passes to be arranged accordingly by the vendor.
35. CMSRU reserves the full right to change the work scope/amend the work scope according to the site condition.
36. Vendors should be able to carry out the work in line with the requirement and should be able to follow the safety rules and regulations of the worksite accordingly.
37. Vendors should possess similar work experiences and able to submit document proofs of work experiences as mentioned in the prequalification criteria.
38. CMSRU reserve the right to offload the job to more than one subcontractor (parallel contract) to meet the schedule against this tender.
39. CMSRU have the full right to modify (Deletion) the work scope in line with the final requirement, time lines of repair project, availability and spares.
40. CMSRU have the full right to issue the work order on system wise L1 basis. Final decision shall be under CMSRU.
41. L1 firm has to provide detailed price split up (if required) within 03 days from the date of confirmation from CMSRU.
42. The projected quantity may vary according to actual job scope. Hence final amount shall be calculated based on the actual work done certified by CMSRU executing officer.
43. Firm to provide necessary valid certificates (wherever required).
44. CSL/CMSRU has the full right to withdraw the tender in partial or full during the course of this tender without giving any prior notice / clarifications to vendors.
45. CSL/CMSRU has the right to accept or reject any or all of the offers

46. All tools and tackles for successful completion of the job shall be arranged by the contractor.
47. Contractor shall abide by the CSL safety rules.
48. All consumables for the job shall be in the scope of vendor.
49. Job completion period has to be mentioned in the unpriced priced bid format.
50. Vendor should be able to submit all necessary certificates/proofs for the disposal of materials at designated disposal points outside Mumbai Port Trust as approved by Pollution Control Board/Mumbai Municipal Corporation/ statutory authority.
51. Safety Measures that are to be ensured by contractors are:
- 1.Db IP44 type with ELCB
  - 2.Blower with guard on both side
  - 3.24-volt lamp with wire and DB
  - 4.Flash back and non-return valve for Cylinder (DA and Oxygen is allowed)
  - 5.welding machine with ELCB of 30 mA to provided
  - 6.Power tools like Grinding Machine should have handle and guard
  - 7.Proper PPEs need to provide by the contractor to workers
  - 8.Induction class need to attend by the new workers

**Seal & Sign of Authorized Person**

**Rules for engaging contractor's workmen in CSL-MSRU**

- I) The following labour statutory compliance measures should be followed by contractors working in CSL Mumbai Ship Repair Unit;
  - 1. If the contractor is engaging 10 or above contract workmen, their firm must have independent establishment registration under EPF.
  - 2. If the contractor is engaging 10 or above contract workmen, their firm must have independent establishment registration under ESI.
  - 3. If the contractor is engaging less than 10 contract workmen and they are exempted under ESI/EPF, their workmen should be covered under Employee Compensation policy.
  - 4. The wage payment for workers should be disbursed through bank payment only and contractor have to submit monthly Challan for ESI Remittance ,EPF Remittance and bank statement of wage disbursement along with their monthly bills.
  - 5. If the contractor is engaging 20 or above contract workmen, they should take the Labour Licence under Contract Labour Contract Act.
- II) The contractor is solely responsible for complying ESI & EPF rules for contract workmen engaged by them for the work.
- III) It is mandatory to submit police clearance from Mumbai Police station to issue gate entry pass. Hence all the workmen belong to other states shall have to take police clearance from their respective home station to submit application form for obtaining police clearance from Mumbai Police Station.
- IV) Employee/worker deputed for the work shall not be over 58 Years of age.

**Seal & Sign of Authorized Person**

## **Health, Safety & Environment Contract Guidelines for OEMs /Turnkey jobs / Sub contract works inside CSL**

### **Introduction**

CSL is the largest public sector shipyard in India in terms of dock capacity, and caters to clients engaged in the defence sector in India and clients engaged in the commercial sector worldwide.

CSL is committed to provide safe and healthy work environment for the prevention of work- related injury and ill health by following the best practices in safety. CSL is certified Occupational Health and Safety management System and Environmental Management system under ISO standards/international standard.

Many of the works of CSL at various sites are executed by the sub-contractors. During these works, sub-contractors personnel are likely to be exposed to different types of hazards. Similarly unsafe acts of contractors personnel may create hazards for CSL staff or workmen of other contractors working at the site. Such unsafe acts may also pose danger to the existing installations and even to members of public.

CSL ensures that the requirements of its HSE Management System are conveyed by contractors and their workers. This guide is prepared to facilitate safe working during execution of contract works. The General guide lines and HSE requirements are given below for compliance in CSL.

### **I. General guidelines**

1. OEMs/Turnkey jobs /Contractors are selected to work inside the CSL based on their track record.
2. Along with the contract order/Registration, a copy of the HSE Safety Handbook (CSL/ QMS/S&F/SOP 02) of CSL is given to all contractors. The details of all HSE requirements to be followed in CSL for the various types of work are detailed in the hand book. The OEMs/Turnkey jobs /Contractors shall go through all the details and strictly follow the relevant HSE guidelines for their work. In case of any doubt the same shall be clarified from Chief Safety Officer (CSO). Being ignorant of these HSE requirements will not be treated as an excuse for any HSE violations during course of work.
3. OEMs/Turnkey jobs /Contractors workmen are given a multilingual HSE induction and Emergency Response training. The individual passes for contractors and their workers are issued only after successful completion of this training. The passes are revalidated every year after successful completion of refresher training. Training requirements of other roles of the subcontractor's staff shall be complied as per the CSL requirements time to time.
4. Before start of any work, the CSL officer in charge explains the scope of work and the safety precautions, hazards, PPE usage as per PPE matrix of CSL, Work Instructions, SOPs, Emergency responses to the contractor and his workers. Only trained worker with necessary skills are allowed to work as per the requirement. Necessary PPEs for the work are to be arranged by the contractor.
5. Workmen shall have Cotton coverall with identifiable logo on the dress. Supervisors, fire watch man if required, safety staff and other workforce shall be deployed as per CSL guide lines.
6. The site work supervisor of the OEMs/Turnkey jobs /Contractors shall be ensured that works are being carried out by CSL HSE requirements on daily basis and till the completion of works. The safe start and safe end requirements shall be verified by the site work supervisor on daily basis.
7. OEMs/Turnkey jobs /Contractors HSE performance will be evaluated on HSE matters as per the CSL policies time to time.
8. During the course of work if any HSE violation is noticed the same is dealt as per the Rewards and Reprimand (R&R) Policy of CSL.

### **II. HSE requirements**

1. The OEMs/Turnkey jobs /Contractors shall take all safety precautions during the execution of awarded work and shall maintain and leave the site safe at all times. At the end of each working day and at all times when the work is temporarily suspended, he shall ensure that all materials,

equipment and facilities will not, cause damage to existing property, personal injury or interfere with the other works of the project or Station.

2. The OEMs/Turnkey jobs /Contractors shall provide and maintain all type of lights, guards, fencing, warning signs, caution boards and other safety measures for vigilance as and where necessary or as required by the CSL officer-in-charge or Safety staff. The caution boards shall also have appropriate symbols.
3. Where Permit to work (PTW) is required, the work has not started without obtaining the necessary permit and the PTW requirements are followed strictly throughout the work.
4. For Project specific or non-routine work on the existing installations, separate Job Safety Assessment (JSA) is to be prepared by the contractor, cleared by the Dept in charge and approval obtained from CSO before start of work.
5. A separate HSE plan will be required for the new projects in the yard or any turnkey projects. It shall be in line with CSL HSE requirements and same shall be routed through respective S&F dept and approved by respective HOD.
6. OEMs/Turnkey jobs /Contractors shall hold toolbox talks with his workers on daily basis to convey matters regarding the Safety aspects of the work.
7. The OEMs/Turnkey jobs /Contractors shall plan his operations so as to avoid interference with other Departmental works and other Sub-Contractors at the site. In case of any interference, requires, coordination shall be sought by the contractor from the Department for safe and smooth execution of work. This shall be done through CSL executing officer.
8. The OEMs/Turnkey jobs /Contractors shall at all times keep their work spot, site office and surroundings clean and tidy from rubbish, scrap, surplus materials and unwanted tools and equipment. Welding cables, hoses and electrical cables shall be so routed as to allow safe way to all concerned.
9. All waste generated in course of the work shall be segregated as per the yard requirements and shall be disposed at the respective collection pallets / points of the work areas as the case may be. Any kind of pollution made by the subcontractor shall attract the reprimand proceedings.
10. All necessary precautions shall be taken to prevent outbreak of fires at the work site. Adequate provisions shall be made to prevent the possibility of fires and ensure the availability of fire extinguishers at site.
11. The OEMs/Turnkey jobs /Contractors shall be held responsible for non-compliance of any of the safety measures and delays, implications, injuries, fatalities and compensation arising out of such situations of incidents including statutory obligations.

**COMPLIANCE MATRIX**

**(TO BE SUBMITTED WITH THE "Technical" BID)**

SL.NO.	DESCRIPTION	REMARK
1.	ACCEPT THE ENTIRE SCOPE OF WORK AS PER ENQUIRY	YES / NO
2.	IF THE ANSWER TO QUESTION 1 ABOVE IS NO, PLEASE LIST THE SPECIFIC JOBS NOT BEING UNDERTAKEN AS A DEVIATIONS LIST AND ATTACH WITH THIS MATRIX.	LIST OF DEVIATIONS FROM SCOPE OF WORK ATTACHED/ NOT ATTACHED
3.	ACCEPT THE GENERAL TERMS AND CONDITIONS AND TENDER TERMS & CONDITIONS INDICATED IN THE ENQUIRY.	YES / NO
4.	IF THE ANSWER TO QUESTION 3 ABOVE IS NO, LIST THE DEVIATIONS AND ATTACH WITH THIS MATRIX.	LIST OF DEVIATIONS FROM GTC.
5.	PAYMENT TERMS AS INDICATED IN ENQUIRY IS ACCEPTABLE.	YES / NO

(Signature of the Contractor)

Seal of the firm.