



**DEENDAYAL PORT AUTHORITY**  
*(Erstwhile Kandla Port Trust)*  
**Marine Department**



Office of the Deputy Conservator  
A.O. Building, 1st Floor,  
Gandhidham – Kutch, Gujarat – India  
Email ID: [dyconservator@deendayalport.gov.in](mailto:dyconservator@deendayalport.gov.in)



No. MR/WK/1408

Date: 03/05/2024

To,  
M/s. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Expression of Interest**

**Sub: Renewal of steel plates, painting and others works of various Port Owned crafts/tugs of DPA for 3 years.**

Sir,

Deendayal Port Authority intends to award the work of “**Renewal of steel plates, painting and others works of various Port owned crafts/tugs of DPA for 3 years**”. Kindly submit your Expression of interest along with budgetary-offer for the subject work in the prescribed format at Schedule-B on the basis of Scope of work at **Annexure-I** & Terms & Conditions at **Annexure-II** enclosed herewith.

The rates quoted must be inclusive of all costs such as material, labour, transportation etc. and any other charges for successful completion of the work excluding GST. The GST applicable shall be shown separately, which shall not be considered for evaluation purposes.


Your Expression of interest along with budgetary offer for the above work may be submitted on **or before 22/05/2024** at the following address. The Budgetary offer may be submitted by scanning the copy of sealed and signed in email: [fsmarine@deendayalport.gov.in](mailto:fsmarine@deendayalport.gov.in). Any query regarding the subject matter shall be entertained by Shri Nitin Keniya, Mobile no. 9978559903.



Office of the Dy. Conservator,  
Deendayal Port Authority,  
2<sup>nd</sup> Floor, Room No.210,  
A.O. Building, Post Box No.-50,  
Gandhidham (Kutch) – 370 201,  
Gujarat – India.

Thanking you,

Yours faithfully,

  
Capt. Pradeep Mohanty  
Deputy Conservator  
Deendayal Port Authority

Copy to : Chief Manager (ICT), [website@deendayalport.gov.in](mailto:website@deendayalport.gov.in) : for hoisting  
on DPA website.

**SCOPE OF WORK**

The Scope of Work envisages the followings: -

**1.0 Scope of Work:**

- 1.01 The job specifications given for the “**Renewal of steel plates, painting and others works of various crafts/tugs of DPA for 3 years.**” in the Schedule-‘B’ describe broad requirements to which the contractor shall work. However, the fact that everything is not fully specified and there may be omission in the job specifications, shall not absolve the contractor from his responsibility to carry out the work in apt and proper manner and acceptable in all respects as per shipbuilding and ship repair practice. The bidders are requested to visit the site and understand the nature of the work involved before quoting.
- 1.02 The works may be carried out at SFDD or afloat at New Kandla as & when required. During execution of work, any docking/undocking operation of other vessels at SFDD may be carried out. In such a case, the contractor is required maintain a flexibility of diverting his men and resources to available area, without any financial implications; no compensation shall be paid to the contractor for such idle periods. However, an extension of two days for each such operation (Docking /Undocking)) will be granted without levy of L.D.
- 1.03 The quantity mentioned at the Price Bid i.e. **Schedule - B** is purely tentative and the party shall carry out the work as per the direction of Deputy Conservator whenever required during tenure of 03 years. However, payment will be made as per actual work carried out.
- 1.04 The payment to the contractor, for the steel renewal work shall be made on basis of theoretical weight of actually fitted and measured material, no other claims whatsoever shall be entertained by the port.

- 1.05 As & when required, Job Order shall be placed by Deputy Conservator on Tug /Craft basis indicating therein the name of Tug /Craft and area thereof.
- 1.06 Each Job shall be commenced within 03 days after the receipt of written order for respective Job from the Deputy Conservator.

## **2. Details of Work:**

### **2.01 Ultrasonic Gauging**

The calibration certificate of Ultrasonic Gauging Machine shall be submitted and firm that is being engaged by contractor should be approved by classification society. Engineer in charge shall mark the areas that require gauging in consultation with IRS. The ultrasonic gauging report duly signed by IRS has to be submitted to E.I.C.

### **2.02 Renewal of Steel Plate**

- i. The M.S. Plates and M.S. Angles used for the subject work shall be confirming to IS 2062, Grade- A/B of same be properly brushed and cleaned of dust and rust before use. IS Grade should also be visible on steel plates.
- ii. The Contractor shall carry out testing of chemical and physical properties of M.S. Plates and Angles brought to the site. A copy of testing report approved by IRS should be submitted to Engineer-in-Charge. The necessary charges for testing shall be borne by the party.
- iii. All the materials and consumables will be supplied by the contractor including required size of steel plates, insulation materials, welding electrodes, etc.
- iv. The welding electrodes to be used shall be of ship building quality like Advani Orelikan, ESAB, L&T or any make approved by IRS.
- v. All steel plates must be sand blasted and painted with Epoxy Primer on both sides before the fitment. The welded portion shall be made free of slag by chipping & wire brushing and hand grinding followed by application of epoxy primer.
- vi. Old plates to be cropped & renewed, removal and refitting of insulating materials (glass wool), removal & refitting of manholes doors, removal & refitting of wooden ply, cleaning the area, removal and refitting of all associated fittings including electrical fittings required for renewal of steel plates. DPA shall not provide any manpower during execution of work.

- vii. Steel plating of Monkey Deck /Main deck /wheelhouse deck / superstructure of Tug Jyeshta & Krittika / other crafts required to renewed of Size 6mm to 8mm. The associated work like removal and refitting of insulating materials (glass wool), removal & refitting of manholes doors, removal & refitting of wooden ply, cleaning the area, removal and refitting of all associated fittings including electrical fittings required during the renewal of steel plates shall be included in the scope of work of renewal of steel plates.
- viii. If any angle/frame/bracket is rusted or wasted, same has to be cropped & renewed for providing the support to the steel plates. The weight of the angle/frame/bracket used shall be calculated as per actual fitted quantity and shall be paid extra as per item no. 2 of schedule B.
- ix. Scrap materials generated shall be returned to DPA main store by the bidder.

2.03 Replacement of steel fender.

Contractor is required to crop up old fender and renew it with M.S. pipe of thickness as per schedule 40. Stiffener has to be placed as per requirement. The M.S. pipe shall be of make TATA/Jindal / Asian.

2.04 Replacement of PVC flooring and Glaze tiles.

During the replacement of PVC flooring, damage portion of cement flooring has to make good by re-cementing. Replacement of glaze tiles shall be carried out in the galley and bath room /toilet as per instruction of Engineer in charge.

2.05 Renewal of rubber fender.

Damaged/Old rubber fender has to be removed. Rubber fender shall be supplied by bidder for replacement. Weight of steel plates/channel/ angle / stud used during the Renewal of rubber fender shall be calculated as per actual fitted quantity and shall be paid extra as under item no. 2 of schedule B. The rubber fender shall be of Make- The make of fender shall be Lion Rubber industries, Trelleborg marine, IRM Offshore & Rane Elastomer. The test certificate also be submitted.

2.06 Overhauling of underwater valves and above water valves.

The overhauling of underwater valves and above water valve and other engine room valves shall be carried out as per IRS Class requirement. Lapping & grinding of valve seat & its lead shall per done as per requirement. The minor machining if required shall be carried out. The

- party is required to dismantle all parts of the valve, clean them and boxed back the valves with new joint and gland packing.
- 2.07 Freeing anchor chains, D- Shackles, anchor chain swivel and Fluke of tugs.  
The above works includes laying up the anchor chain on the floor of the dry dock, freeing D-shackles, anchor chain swivel and Fluke. The work includes Chipping & Painting or sand blasting if required of anchor chains, anchor & chain locker of Tug Jyeshta & Krittika.
- 2.08 Fixing up Zinc Anodes to under water areas of tugs & crafts.  
The old / wasted Zinc anodes have to be removed by gas cutting and new anodes supplied by the bidder have to be welded. The weight of the anodes shall be 03 kgs, 05 Kgs & 09 Kgs. The composition of Zinc (Zinc approx. more than - 99 %). For indicative purpose, Anode shall be Aluminium (Al): -min 0.10, max 0.5, Cadmium (Cd): min 0.025, max 0.07, Iron (Fe): max 0.005, Copper (Cu): max 0.005, Lead (Pb): max 0.006, Others (each): max 0.10, Zinc (Zn) remainder. The test Certificate must be submitted approved by Government Lab or Marine Class Societies. Grease has to be applied on the surface of anode before painting works of underwater area & same shall be cleaned properly after finishing of painting works.
- 2.09 Sand Blasting and Painting to Hull, Deck Plate and Deck Machinery  
a. Surface Preparation
- i) Party is required to remove all the marine growth by manual scrapping / high pressure washing for preliminary inspection of the steel surface by EIC / IRS.
  - ii) Prior to application of paint, all surfaces shall be sand blasted as per Swedish Standard SIS – 05 – 5900 – 1967, dry sand blasting to SA 2 ½. In case of any discrepancy arise during execution on the issue of surface preparation to the required standard (i.e. base metal surface grey), the contractor has to furnish the authentic prints designated as SA 2 ½ for comparison/checking.
  - iii) The surface after sand blasting shall be cleaned with brushes, blown off by compressed air, or cleaned by vacuum. The compressed air used for nozzle blasting shall be free detrimental amount of condensate water and oil. Blast cleaning

operation shall be done in such a manner that no damage is done to partially or entire completed portion of the work.

- iv) Dry sand blasting operation shall be carried out with Godhara sand of size 2 to 6 cu mm and shall not be conducted on surface that will be wet and paint will not be applied on wet surfaces after sand blasting. If required re-blasting and cleaning shall be done before painting.

**b. Painting:**

The underwater, above water and deck shall be painted with epoxy type paint and superstructure shall be painted with conventional Alkyd Paint. The party is required to only use the following Make / Brand of the Paints for painting work.

1. Jotun
2. International
3. Sigma
4. or Equivalent make

**c. Painting Schedule:**

Party is required to strictly follow the painting scheme of paint manufacturer for respective brand of paint. A Standard Painting Scheme place at clause-10 for the reference and party is required to maintain the minimum DFT mentioned for respective type of paints. However, before application of the paint the H.M. / F.S. shall approve the painting scheme. The bidder have to submit the painting scheme if it is of different manufacturer other than mentioned in Para 2.03 (b), having similar technical specification with the documentary proof in the pre-bid meeting. After pre-bid meeting / clarification, no addition of make / brand shall be allowed. Anti-fouling paint should be TBT free.

The painting work shall be guaranteed as below.

1. Painting to underwater area after sand blasting – 3 year
2. Painting to area above water level after sand blasting – 1 year
3. Painting to super structure after manual chipping / hard wire brushing/ machine grinding – 1 year.

**d. Application of Paint (General):**

1. Application of primer and paint shall be done by airless spray only.
2. Intervals between surface preparation and application of first coat of primer shall be as short as possible and in no case more than four (04) hours.
3. Preparation of paint mixture, time gap between successive coatings, period between paint mixing and application of paint should be strictly as per recommendation of paint manufacturer.
4. Painting shall be done according to the painting scheme prescribed by the Manufacturer. The paints/thinner for a particular Craft/Tug shall be from one manufacturer only.
5. Wherever necessary, assistance from paint manufacturers shall be arranged regarding application, mixing, thinning, quality etc. by the contractor at no extra cost to the Port Authority.
6. If the required microns thickness of paints specified by manufacturer of paints is not arrived by applying minimum number of coats specified, the same shall have to be arrived by applying more number of coats at no extra costs to the Port. The requirement of both minimum number of coats and microns thickness specified in any case will have to be satisfied. A certificate of final DFT measurement should be obtained from Manufacturer & IRS Surveyor by the party and the same to be submitted to the Harbour Master.
7. Each container of paint, preferably in 20-liter size, should provide the following information.
  - Batch Number.
  - Date of manufacture.
  - Mixing ratio.

If any one of the above is not to the satisfaction of the Engineer-in-charge, the container shall be rejected for use.



8. The instruments such as Elcometer etc. will be made available by the contractor, whenever required at the site, at his own cost.
9. Any addition of thinner shall be allowed only as per manufacturer's data sheet and it should be done under the supervision of the Engineer-in-charge.
10. The paint shall not be applied under the following conditions.
  - When relative humidity is greater than 90%.
  - During rain, fog and mist.
  - Where amount of moisture on surface or that likely to be caused by subsequent condensation may have harmful effect.
11. Color shades in the painting system will be as follows.
  - Top Deck Plates – Green
  - Deck Machinery – Dark Grey
  - Out Side Area of Funnel – Yellow
  - Super Structure – White
  - Outside of Bulwark down to water line- Sky Blue
  - Inside of Bulwark- Yellow
12. Paint manufacturer's instructions shall be followed at all times and particular attention shall be paid to the following:
  - I. Proper storage to avoid exposure to extremes of temperature.
  - II. Mixing and thinning.
  - III. Pot life.
  - IV. Application of paint and the recommended limits on time intervals between coats.
13. **Chipping and Painting to Super Structure & Bulkhead**

The surface preparation for painting to super structure and any other areas shall be carried out by manual chipping / Wire Brushing / machine grinding followed by cleaning with soap water and then by fresh water along with mopping with dry cloth. No sharp scratches or cuts shall be made on the surface

during chipping/cleaning operation. The surface should be free of rust.

- 2.10 The Fresh water tank, water ballast tank and Fuel Oil tank cleaning after opening the manhole shall be carried out by the bidder as per satisfaction of EIC/ IRS Surveyor. If any chipping & painting work require then rate shall be applicable as mentioned in para 10 of BOQ.
- 2.11. All vent heads (Tanks) of Tugs to be overhauled, steel wire net to be renewed. Damaged and rusted parts to be renewed.
- 2.12 Plumbing job: - renewals of different types of water tap valves (Brass/steel) used in the bath room, wash basin, galley, and toilet.
- 2.13 Renewal of seals of hydraulic cylinder of windlass if required of tug Jyeshta & Krittika shall be carried out as per requirement of site.
- 2.14 Renewal of break liner of windlass if required of tug Jyeshta & Krittika shall be carried out as per requirement of site.
- 2.15 Supply & replacement of flexible hoses, Size: 1 inch dia, length of pipe shall be approximately 1m to 1.6 m with end fittings as per sample as per site required. Minimum working Pressure of flexible pipe shall be 250 bar. The total length of supply & fitment of pipe shall be 30 m during the tenure of the contract.
- 2.16 Entire Engine Room Bilge Cleaning, Removal of sludge, Garbage and unwanted materials, clearing all limber holes between frame & girders. Followed by high pressure jet washing. If any chipping & painting work require then rate shall be applicable as mentioned in para 10.
- 2.17 Disconnecting & removing from place, fabricating new pipe, cropping out flanges from old pipes, boring out & welding the same on new pipes. Fitting the pipes in place with new joints/sealing ring/nuts & Bolts. Specification: - M.S. Pipes/Bends, Seamless, Schedule 40, Make- Tata, Jindal, Asian or equivalent, after fabrication 1 coat of primer and 2 coats of finish paints of DFT- 25 micron each coat, paint shall be applied. The length of the pipe / bends shall be counted as per actual fabricated for fitting in place. The cost shall be inclusive of materials & paints. The size of the pipe line shall be 15mm to 25 mm, 32 mm to 50 mm & 65mm to 100 mm. This work shall be carried out as and when required during the tenure of contract.
- 2.18 Overhauling of General/ Bilge / Fire / Ballast pumps. The overhauling work require dismantling, cleaning, minor metal filling & machining as per requirement and renewal of mechanical seals & renewal of bearings. The mechanical seal has to be supplied & fitted as per sample. Capacity of the pump- 88 m<sup>3</sup> / hour. Make - Becon Pumps, Tug Jyeshta & Krittika.

- 2.19 Overhauling of SRP Sea water cooling pumps. The overhauling work require dismantling, cleaning, minor metal filling, machining and renewal of mechanical seals, gasket, orings & renewal of bearings. The mechanical seal has to be supplied & fitted as per sample. Capacity of the pump- 28 m3 / hour. Make - Becon Pumps, Tug Jyeshta & Krittika.
- 2.20 Dismounting of Propeller, Overhauling SRP Lower Gear Box Unit after dismantling. Inspection/cleaning all parts, Renewal of Shaft Liner, Radial Seals, Bearings and worn out Parts. Boxing back the SRP Lower Gear Box Unit with new sealing rings and mounting the propeller. The OEM items shall be supplied by DPA. or shall be paid as per actual if spares are not available with DPA. If service engineer required for above work shall be in the scope of the Bidder. The above work is pertaining to Tug Jyeshta & Krittika and OEM is M/s. Kongsberg Maritime India Pvt Ltd.
- 2.21 Overhauling of Motor Driven Air compressor. The overhauling work require dismantling, renewal of piston rings, oil rings, bearings & other worn out parts. OEM Spares shall be paid as per actual. Model- HP 15300, Make ELGI. If service engineer required for above work shall be in the scope of the Bidder. The OEM spares shall be supplied by bidder and shall be paid as per actual. The above work is pertaining to Tug Jyeshta & Krittika
- 2.22 Overhauling & cleaning of plate type heat exchanger of Main Engines, model -CAT3516C, OEM Spares shall be paid as per actual. The party is required to remove & refit the same after proper cleaning. This work may be done at site or bidder workshop. The above work is pertaining to Tug Jyeshta & Krittika.
- 2.23 Overhauling of firefighting pump suction and discharge valves operating mechanism (Actuators). Renewal of o-Rings, the overhauling work require dismantling, overhauling & renewal of valve mechanism. The required sealing rings items has to be supplied and fitted as per sample. OEM Spares shall be paid as per actual. OEM Ghibson valves, Type- UT50-0FAF13S. The above work is pertaining to Tug Jyeshta & Krittika
- 2.24 Dismantling of coupling between main engine and fire pump. The renewal of worn out parts like rubber coupling elements shall have done. The Minor machining / filling up metal by welding shall be done as per requirement. The OEM spares shall be paid as per actual incase spares are not available with DPA. OEM- Vulcan Technology PVT, pune, Model Vulastic L, 2X3712. The above work is pertaining to Tug Jyeshta & Krittika
- 2.25 Dismantling & overhauling of Fresh water hydrophore pump including renewal of parts, mechanical seals as per sample. The minor machining and building up metal by welding shall be done as per requirement.

- Model-SP 30/3, head 33 to 35 m, Capacity 2 M2 /hours, Make- Florite Engg. Corp. The above work is pertaining to Tug Jyeshta & Krittika
- 2.26 Removal & refitting on main engine sea water pump. Overhauling of sea water pump. Replacement of worn out parts. The cost of OEM spares shall be paid as per actual. The above work is pertaining to Tug Jyeshta & Krittika.
- 2.27 Supply & fitment of MCCB: DN2-250D 3P MTX 36 KA MTX 1.0, SE-EOM 240 VaC, 50 HZ, UVR-240 Vac, 50 HZ, Cat. NO. CM900290OPOX1, Release Type: -Microprocessor, Rating 250 A Make L&T. The above work is pertaining to Tug Jyeshta & Krittika.
- 2.28 Renewal of glass Fibre glass work 6 mm to 8 mm thickness including cost of labour & materials. This work shall be carried out by the bidder as per site requirement on board the Crafts. The area shall be counted in m2 actually renewed. The above work is pertaining to Crafts/Launches.

## **Annexure-II**

### Terms & conditions

1. The party at their own cost shall arrange all consumables required for performing the works.
2. Party shall arrange for all the workshop facility, tools & tackles, labour etc. at their own expenses. DPA shall not provide any workshop facility, skilled or unskilled labour or supervisory staff.
3. The party may inspect the vessel with prior permission to be acquainted with nature of works and if any relevant information required may be obtained from DPA.
4. Work of painting should be carried out with the best workmanship and quality with a guarantee of as specified in schedule B. The contractor will be responsible to rectify the defect without any extra cost during the guarantee the period. If any portion of steel surface of Tugs/craft found rusted or paint peel off during the guarantee period, then contractor has to again re-paint the same with no extra cost. Therefore, bidder shall apply the paint after proper surface preparation.
5. The contractor is required to engage the paint manufacturer's representative during the period of surface preparation, sand blasting and application of paint to the respective vessel at its own cost.
6. Contractor will be responsible for any damage, theft and fire during the execution of said works.

7. The party should strictly follow all statutory rules & regulations like labour law, insurance, safety norms etc.
8. The work may have to be carried out when Tug is in Dry Dock or afloat condition at Jetty at Kandla.
9. The party at their own cost shall arrange all consumable like Grease, Cotton Waste, Cleaning Cloth, and Cleaning Agent etc.
10. Precision instruments, torque wrenches, gauges and other tools, Elcometer, Spanners etc., will have to be arranged by the contractor for carrying out the work.
11. Removal and refitting of rubber fender necessary for repair work to be carried out by the contractor.
12. For welding work, the contractor shall employ only qualified welders approved by the Classification society, IRS.
13. Old material, scrap, etc. generated on account of the renewal of Pipelines and steel plates shall be property of port and same shall be returned to DPA Main Store Kandla.
14. The work of renewal of steel shall be carried out with the best workmanship and quality with a guarantee period of six months. The contractor will be responsible to rectify the defects without any extra cost during the guarantee period.
15. Supply of ventilation air in the confined space shall be responsibility of contractor during working on board.
16. Staging, Scaffolding or any tools and tackles including Jigs etc. during execution of work shall have to be arranged by the contractor and his rates shall be inclusive of such arrangement.
17. It shall be the responsibility of the Contractor to ensure that the persons engaged for the work are clear from Security angle.
18. To execute the work with due diligence, efficiency and in conformity with sound engineering, administrative and financial practices to protect the interest of the employer.
19. To co-ordinate with outside agencies for obtaining permission /approval / clearances etc. that may be required to execute the work.
20. Painting Tug's Name, Port of Registry & Draft Marking on Hull as per rules & regulations of MMD.
21. High Pressure (250 kg/ cm<sup>2</sup> min.) and Low Pressure (30 Kg/cm<sup>2</sup> min.) shall be done by the party as per the requirement of paint manufacturer during surface preparation and paint application.
22. The port shall not provide any residential or official accommodation and transport facilities to the contractor or his employees during the execution of the work.

23. Electricity shall be supplied **free of cost** for the execution of respective work of D.P.T. The party is required to obtain permission from concerned DPT's officials
24. Fire watch shall be provided by DPT **free of cost**. The party is required to obtain the fire watch permission from respective officials of DPA.
25. DPT shall provide water and crane facility inside the Dry Dock **free of cost**.
26. The Docking and Un-Docking of the Tug shall be carried out by DPA, if required and no charges towards such expenses shall be levied upon the party.
27. DPA shall assist for port entry permit for men and material, subject to the submission of sufficient document and photo identity as required by CISF.
28. The party is required to complete the work after docking the Tug / craft in Steel Floating Dry Dock (SFDD) or Afloat, as per the period defined below;
  - i. To carry out Ultrasonic Gauging and submission of report after docking of the craft / tug – 5 days (after clearance from IRS / EIC).
  - ii. Renewal of steel plates (up to 5 tons) – 15 days (after clearance from IRS / EIC).
  - iii. Renewal of steel plates (up to 10 tons) – 30 days (after clearance from IRS / EIC).
  - iv. Renewal of steel plates (up to 15 tons) – 45 days (after clearance from IRS / EIC).

**Note: The contractor shall carry out the renewal of steel plate, steel fender and rubber fender simultaneously.**

29. The party is required to complete the sand blasting and painting work for each unit within the specific period after renewal of steel plates as mentioned below:
  - a. Mooring Craft – 7 days
  - b. Pilot Craft – 12 days
  - c. Tug – 15 days
30. In the event of any natural calamities, strike, or delay attributed to DPA for any reason time limit will be extended correspondingly by the period of this circumstance; otherwise, tug / craft shall be repaired within the time as mentioned above.
31. If required, IRS shall be engaged by DPA being classification society. Contractor shall carry out the job as per the direction of IRS/FS. The IRS

visits shall be arranged by DPA as and when required and all charges toward such expenses shall be borne by DPA.

- 32 100 % payment of each Job will be made as per rates mentioned under Schedule B through NEFT/RTGS within 30 days on satisfactory completion of each job and on submission of invoice. This payment will be subject to deductions as provided in the conditions of this contract.
- 33 The contractor's request for payment shall be made to the Employer in writing, accompanied by invoices describing, as appropriate, Services performed and by the documents submitted & upon fulfillment of all other obligations stipulated in the Contract.
- 34 Payment shall be made promptly by the Employer for each job, but in no case later than Thirty (30) days after submission of an invoice and other relevant documents/certificates and on request for payment by the contractor and after the Employer has accepted it.
- 35 The currencies in which payments shall be made to the Contractor under this Contract shall be Indian Rupees only.
- 35 The contractor shall note that no interest be payable by the Employer on Retention Money or for any Delayed Payments.
- 36 No payment of any bills or any advance will be made until the stamped Acceptance Letter/the Contract Agreement is executed
- 37 Security deposit shall consist of two parts;
- a) Performance Guarantee to be submitted at award of work, and
  - b) Retention money to be recovered from Running Bills.

Performance guarantee shall be 10% of Contract price of which 5% of contract price should be submitted as Bank Guarantee, or Demand Draft within 21 days of receipt of letter of acceptance and balance 5% recovered as Retention Money from Running Bills. Recovery of 5% of Retention Money to commence from the first bill onwards @ 5% of bill value from each bill. Retention Money will be refunded within 14 days from the date of payment of final bill. Balance SD to be refunded immediately not later than 14 days from after satisfactory completion of defect liability period last job work completed.

Failure of the successful Bidder to comply with the requirements of submission of Performance Guarantee at the rate of 5% of contract price by way of BG/DD within 21 days of receipt of LOA shall constitute

sufficient grounds for cancellation of the award of work and forfeiture of the Bid security.

Note:- If any defect observed during defect liability period is not rectified by the contractor 5% of job work amount held as Balance security deposit will be forfeited.

- 38 The Bank Guarantee submitted in lieu of security deposit / EMD must be from any Nationalized Bank having its branch at Gandhidham (Kutch) (Performa enclosed). Should be send by issuing branch to D.P.T. directly by register AD Post.
- 39 Income Tax at applicable rate and surcharge as applicable on the payment to contractor will be deducted from the payment and only net amount shall be paid for as directed by the Central Board of Direct Taxes, Ministry of Finance, and Government of India. Contractor has to furnish PAN No. along with tender.
- 40 The contractor shall submit the bill, monthly in triplicate for the work done during the preceding month.
- 41 While submitting tender, INCOME TAX PAN, GST REGISTRATION has to be mentioned. The Service Tax Registration No. Should invariably be mentioned in the bid/tender/quotation, failing which the bid / tender / quotation will be considered as non-responsive and be liable for discharge.
- 42 The contract is valid for 36 **months**, from the date of issue of work order.
- 43 All the tools & tackles, plants and sundries etc. are required to be brought by the contractor for carrying out the work to the complete satisfaction of Engineer-in-charge without any extra cost
- 44 Force Major: These will be restricted to acts of God only.
- 45 Liquidated Damage: In case of delay in completion of the contract, liquidated damages (L.D) may be levied at the rate of 1/2% of the contract value per week of delay or part thereof of each job work, subject to a maximum of 10 per cent of the contract price.



32. **Painting Scheme: -**

Sr. No.	Location / Paint Area	Application (Coat)	Jotun	DFT	Sigma	DFT	International	DFT
1.	Underwater-4575m <sup>2</sup>	1st	Penguard Primer	50	Sigma Cover 280	50	Intertuf262	175
		2nd	Jotamastic 80, Aluminium	150	Sigma Cover 300	150	Interguard 263	100
		3rd	Safeguard universal	75	Sigma Cover 510	75	Interspeed 6400	160
		4th	Seaforce-80	160	Sigma Eco Fleet 290	160	--	---
2.	Above Water (Deck & Bulwark)-6250m <sup>2</sup>	1st	Penguard Primer	50	Sigma Cover 280	50	Intertuf262	175
		2nd	Jotamastic 80, Aluminium	150	Sigma Cover 620	150	Interguard 740	75
		3rd	Penguard TC	50	Sigma Cover 456	50	---	---
3.		1st	Alkyd primer	40	Sigmarine 24	40	Interprime 538	50

	Super- structur e 6150	2nd	Alkyd Top	40	Sigmarin e 48	40	Interlac 665	40
		3rd	Alkyd Top	40	Sigmarin e 48	40	Interlac 665	40

**Schedule – B**

**Note- For Price Bid please see attached Excel Sheet, please fill up and attached the sealed and signed copy with the budgetary offer.**

**Seal & Sign of the Bidder**

**Subject: Renewal of steel plates, painting and others works of various Port Owned crafts/tugs of DPA for 3 years.**

Sr.	Description	Qty.	Unit	Rate in words	Rate in figure	Amount
1	Ultrasonic thickness gauging of steel plates and submission of report (two copies)	5000	Points			
2	Renewal of steel plates (old plates to be cropped & renewed) (Plate thickness 6mm to 12mm)	40,000	Kgs			
3	To crop and renew half round steel fender with inside stiffner at 1 mtr distance					
a	Fender Pipe size - 200mm, Thickness as per schedule 40, Make-TATA/JINDAL/ASIAN- For Tugs	15	per meter			
b	Fender Pipe size - 150mm, Thickness as per schedule 40, Make-TATA/JINDAL/ASIAN - For Crafts	50	per meter			
4	Replacement of PVC flooring, 1.5 to 2mm thick	50	m2			
5	Replacement of Glaze tiles flooring	15	m2			
6	Fixing of New key hole Type rubber fender after Removal of old rubber fender, outer 300mm X 300 mm. Steel used shall be paid extra as per <b>item 2. Rubber Fender shall be supplied by Contractor. The make of fender shall be Lion Rubber industries, Trelleborg marine, IRM Offshore, Rane Elastomer, the test certificate also be submitted.</b>	15	per meter			
7	Fixing of New DD Type rubber fender after Removal of old rubber fender, outer 150mm X 100 mm Inner, Hollow-25mm x 25mm. Steel used shall be paid extra as per item 2 <b>Rubber Fender shall be supplied by contractor. The make of fender shall be Lion Rubber industries, Trelleborg marine, IRM Offshore, Rane Elastomer the test certificate also be submitted.</b>	150	per meter			
8	Overhauling of Underwater Main Sea Chest/Main Fi-Fi Pump Valve, Size 6 inch to 10 inch, including cleaning of strainer and removal & refitting of sea chest grating.	12	Nos.			
9	Overhauling of others Underwater Valves & above water valve, Size 2 inch to 3 inch.	70	Nos.			
10	Laying the anchor chain on the floor of the dry dock, freeing D-shackles, anchor chain swivel and Fluke. Painting of anchor, Anchor chain & chain Locker	4	Nos.			
11	Fixing up Zinc Anodes after removing the old/ wasted Anodes. <b>Zinc Anodes shall be supplied by Contractor. The weight of each anode as follow:-</b>					
a	Weight 3 Kgs	60				
b	Weight 5 Kgs	150				

c	Weight 9 Kgs	20			
12	Sandblasting & Painting of underwater area with 4 / 5 coats of paints as per painting scheme approved by paint manufacturer (Jotun/international/Sigma) under guarantee period of 3 years	2100	m2		
13	Sandblasting & Painting of area above water line with 3/4 coats of paints as per painting scheme approved by paint manufacturer (Jotun/international/Sigma) under guarantee period of 1 years	2000	m2		
14	Manual Chipping, hard wire brushing, machine grinding & Painting of inside & outside area of superstructure with 3 coats of paints as per painting scheme approved by paint manufacturer (Jotun/international/Sigma) under guarantee period of 1 years	6000	m2		
15	Fresh water tank, water ballast tank and Fuel Oil tank cleaning. If any chipping & painting work require then rate shall be applicable as mentioned in para 10.	500	m3		
16	All vent heads of Tugs to be overhauled, steel wire net to be renewed. Damaged and rusted parts to be renewed.	50	Nos.		
17	Plumbing job:- renewal of different types of water tap valves (Brass) used in the bath room, wash basin, galley, and toilet	100	Nos.		
18	Renewal of seals of hydraulic cylinder of windlass if required of tug Jyeshta & Krittika.	2	Nos.		
19	Renewal of break liner of windlass if required of tug Jyeshta & Krittika.	2	2 Nos.		
20	Supply & replacement of flexible hoses, Size: 1 inch dia, length 1m to 1.6 m with end fittings, as & when required. Minimum working Pressure : 250 bar	30	m		
21	Entire Engine Bilge Cleaning, Removal of sludge, Garbage and unwanted materials, clearing all limber holes between frame & girders. If any chipping & painting work require then rate shall be applicable as mentioned in para 10.	2	Nos.		
22	Disconnecting & removing from place, fabricating new pipe, cropping out flanges from old pipes, boring out & welding the same on new pipes. Fitting the pipes in place with new joints/ sealing ring/nuts & Bolts. Specification: - M.S. Pipes/Bends, Seamless, Schedule 40, Make- Tata, Jindal, Asian or equivalent, after fabrication 1 coat of primer and 2 coats of finish paints of DFT- 25 micron each coat, paint shall be applied. The length of the pipe / bends shall be counted as per actual fabricated for fitting in place.				
a	Nominal Bore size : 15mm to 25 mm	250	m		
b	Nominal Bore size : 32mm to 50 mm	100	m		

c	Nominal Bore size : 65mm to 100 mm	75	m			
23	Overhauling of General/ Bilge / Fire / Ballast pumps. The overhauling work require dismantling, cleaning, minor metal filling & machining as per requirement and renewal of mechanical seals & renewal of bearings. The mechanical seal has to be supplied & fitted as per sample. Capacity of the pump- 88 m3 / hour. Make - Becon Pumps.	2	Nos.			
24	Overhauling of SRP Sea water cooling pumps. The overhauling work require dismantling, cleaning, minor metal filling, machining and renewal of mechanical seals & renewal of bearings. The mechanical seal has to be supplied & fitted as per sample. Capacity of the pump- 28 m3 / hour. Make - Becon Pumps.	2	Nos.			
25	Dismounting of Propeller, Overhauling SRP Lower Gear Box Unit after dismantling. Inspection/cleaning all parts, Renewal of Shaft Liner, Radial Seals, Bearings and worn out Parts. Boxing back the SRP Lower Gear Box Unit with new sealing ring and mounting the propeller. The OEM items shall be supplied by DPA. or shall be paid as per actual if spares are not available with DPA.	2	Nos.			
26	Laying the anchor chain on the floor of the dry dock, freeing D-shackles, anchor chain swivel and Fluke. Painting of anchor, Anchor chain & chain Locker	4	Nos.			
27	Overhauling of Motor Driven Air compressor. The overhauling work require dismantling, renewal of piston rings, oil rings, bearings & other worn out parts. OEM Spares shall be paid as per actual. Model- HP 15300, Make ELGI	2				
28	Overhauling & cleaning of plate type heat exchanger of Main Engines, model - CAT3516C, OEM Spares shall be paid as per actual.	4				
29	Overhauling of firefighting pump suction and discharge valves operating mechanism ( Actuators). Renewal of o-Rings, The overhauling work require dismantling, overhauling & renewal of valve mechanism. The required sealing rings items has to be supplied and fitted as per sample. OEM Spares shall be paid as per actual. OEM	8				
30	Dismantling of coupling between main engine and fire pump. The renewal of worn out parts like rubber coupling elements shall done. The Minor machining / filling up metal by welding shall be done as per requirement. The OEM spares shall be paid as per actual. OEM- Vulcan Technology PVT, pune. Model Vulastic L, 2X3712	2				

31	Dismantling & overhauling of Fresh water hydrophore pump including renewal of parts, mechanical seals as per sample. The minor machining and building up metal by welding shall be done as per requirement. Model-SP 30/3, head 33 to 35 m, Capacity 2 m2 /hours, Make- Florite Engg. Corp. Mumbai	4				
32	Removal & refitting on main engine sea water pump. Overhauling of sea water pump. OEM spares shall be paid as per actual.	4				
33	Supply & fitment of MCCB: DN2-250D 3P MTX 36 KA MTX 1.0 , SE-EOM 240 VaC, 50 HZ, UVR-240 Vac, 50 HZ, Cat. NO. CM90029OOPOX1,Release Type Microprocessor, Rating 250 A Make L&T					
34	Renewal of glass Fibre glass work 6 mm to 8 mm thickness including cost of labour & materials.	20	m2			
Total Amount in Figure		Rs.				
Total Amount in Words		Rs.				