

**Government of Odisha,
Revenue & Disaster Management Department (Disaster Management)
(State Port Engineering Organisation)
Rajiv Bhawan, Unit-V, Bhubaneswar-751001**

NO. 6610 / R & DM (DM) (SPEO) Dt: 26.11.20

TENDER CALL NOTICE

State Port Engineering Organisation , Revenue & Disaster Management (DM) Dept, Bhubaneswar is contemplating to take up minor / major repair works of the power boats of different sizes of **Steel, Fibre & Aluminium** under its control to make those operable before the flood season. Hence the State Port Engineer invites sealed tenders from the Bonafide boat builder or the boat repairing agencies.

2. The detailed item wise schedule will be obtained from the office of the Asst. Executive Engineer, (mechanical), Ranihat, Canal Road, Cuttack, during office hour up to dated **14.12.2020**.. on any working day by depositing **Rs.600/-** (excluding any taxes) with Nazir, SPEO.
3. Each tender should be accompanied with valid GST Registration and Earnest Money Deposit **Rs.5000/-** in shape of account payee demand draft, fixed deposit receipt, banker's cheque, bank guarantee from any of the commercial banks pledged **in favour of State Port Engineer, R & DM (DM) Dept, Bhubaneswar** falling which the tender will be liable for rejection.
4. The tender will be received upto 01.00 PM on date **15.12.2020** and will be opened on the same day at 1.30 PM in the **office of the Asst. Executive Engineer (Mechanical), Ranihat, Canal Road, Cuttack** in presence of the tenderer or their authorized representatives.
5. In case, the date of receipt / opening happens to be a holiday the quotations shall be received / opened on the next working day at the time, already stipulated.
6. The under signed reserves the right to reject any or all the tenders without assigning any reason thereof.
7. The accepted rates will remain valid for two years from issue of the order.

S. S. Narayana
State Port Engineer 26/11/2020
Revenue & Disaster Management (DM) Dept,
Bhubaneswar

TERMS AND CONDITIONS

1. The Tenderers, who will be entrusted with the repair work are required to deposit security amount as admissible for the concerned boat and then to execute the agreement with the competent authority (Special Relief) and abide by the provisions thereof.
2. The repair works will be completed within **70 days** (Seventy days) for major repair and **30 days** (Thirty days) for minor repair from the date of issue of work order.
3. The rates should be written both in figure and words.
4. Statutory deductions like Income Tax, Sales & GST as admissible as per rule will be deducted at source from the bill of the contractors / repairing agencies.
5. The repair work and the material which will be used for the same should be as per specification of the detailed item wise Schedule.
6. No tenderer shall be awarded with the repair work of the power boats unless the tenders's quoted rate is not the first or the second lowest in respect of at least 25 percent of the no. of items required to be repaired for each category of boats like **FRP, Steel & Aluminum**.
7. The power boats shall be repaired throughout the state of odisha. The powerboats which cannot be repaired at site will be brought to the repairing firms workshop by the department.

Memo no: 6611 Dt: 26.11.20

Copy to the P.S to Special Relief Commissioner, Odisha for kind information of Special Relief Commissioner, Odisha.

E. S. Narayana
26/11/2020
State Port Engineer

Memo no: 6612 Dt: 26.11.20

Copy to the Director, Information and Public Relation Department. Govt. of Odisha, Bhubaneswar for information with a request to publish the Tender Notice in two widely circulated local Oriya daily News paper and send copies of publication to the undersigned for reference. The Cost of advertisement to be borne by the undersigned. (Soft Copy enclosed).

E. S. Narayana
26/11/2020
State Port Engineer

Memo no: 6613 Dt: 26.11.20

Copy forwarded to Notice Board, Board of Revenue, CTC/ SR, CTC/ Collectorate, Cuttack/ AEE(M)/ all AE's/ SO/ Nazir (SPEO)/ Bill asst.(SPEO) for information and necessary action.

E. S. Narayana
26/11/2020
State Port Engineer

Memo no: 6614 Dt: 26.11.20

Copy along with the copy of draft (Soft copy) forwarded to Officer in charge state Web Portal for publication in the web portal.

E. S. Narayana
26/11/2020
State Port Engineer

SCHEDULE FOR REPAIRS OF ALUMINIUM POWER BOATS

Sl. No.	Details of items of repairs			Rate
1	Repair/renewal of damaged hull portion of the boat with Aluminium sheet of existing quality (i.e. Marine grade Aluminium 5052) and thickness including charges of cutting & fitting adopting the fabrication process.			
	Rate per sft.		-----	
2	Repair of de-shaped hull plate and reshaping the same in proper line including fitting and fixing			
	Rate per sft.....		-----	
3	Renewal of damaged interlock joint section with new section of existing dimension including fitting charges.			
	Rate per rft.		-----	
4	Renewal of Aluminium stringers of hull as per existing dimension including fitting and fixing.			
	Rate per each		-----	
5	Opening and resetting of loose interlock joint sections with replacement of interlock PVC key including resetting charges.			
	Rate per rft.		-----	

6	Complete leak proofing of the boat with application of sealant in joint linings after making necessary scraping & cleaning .				
	Rate per			-----	
7	Renewal of damaged Aluminium moulded seat complete with new seat as per existing quality and dimension including fitting and fixing charges.				
	Rate per each.....			-----	
8	Renewal of damaged detachable bench plank with new FRP laminated plank as per existing dimension including fitting and fixing charges.				
	Rate per each.....			-----	
9	Repair/renewal of damaged sections of hull, deck & bench frames with new S.S sections / M.S Sections / Aluminium Sections as per existing size including fitting and fixing charges.				
	Rate per				
	i)	M.S		-----	
	ii)	S.S		-----	
	iii)	Aluminium		-----	
10	Renewal of corner Aluminium plates (i.e. Marine grade Aluminium 5052) fitted at transom end as per existing dimension including fitting and fixing.				
	Rate per each.....			-----	
11	Renewal of Aluminium section (i.e. Marine grade Aluminium 5052) fitted in gunwale as per existing quality and dimension including fitting and fixing.				
	Rate per rft.			-----	

12	Repair the crack/damage portion of FRP moulded fore-deck with FRP molding including finishing and matching with existing colour.				
	Rate per sft.....			-----	
13	Replace of fore-deck complete with new FRP moulded deck of existing dimension including opening and fitting charges.				
	Rate per each.....			-----	
14	Repair / Renewal of utility box including renewal of hinges and fittings.				
	Rate per each.....			-----	
15	Renewal of damage carrying handle with new handle as per existing size including fitting charges.				
	Rate per each.....			-----	
16	Replacement of damaged bollard with new one of existing size including fitting and fixing.				
	Rate per each.....			-----	
17	Replacement of damaged drain plug with new one of existing size including fitting and fixing.				
	Rate per			-----	
18	Renewal of damage towing hook with new hook as per existing size including fitting charges.				
	Rate per each.....			-----	
19	Renewal of damaged corner cone fitted at transom end as per existing dimensions including fitting and fixing charges.				
	Rate per each			-----	

20	Renewal of damage OBM mounting board / plate fitted in transom with new board / plate as per existing dimension and fitting charges.				
	Rate per each			-----	
21	Renewal of damage floor board with new board of existing quality including fitting charges and fixing charges.				
	Rate per sft			-----	
22	Opening of loose/damaged rivets and re-riveting the joint sections complete for strengthening and leak proofing of boat.				
	Rate per boat			-----	
23	Renewal of damage rubber fender with new fender of existing size including fitting charges.				
	Rate per rft.....			-----	
24	Painting the boat after making proper scraping and cleaning with application of synthetic primer and putty in base coat and synthetic enamel paint (1st Quality) two coats over the base coat including proper scarping and cleaning before painting.				
	Per boat.....			-----	
25	Handling charges for lifting, carrying and positioning of the boat for repair/ painting.				
	Per boat.....			-----	

SCHEDULE FOR REPAIRS OF STEEL POWER BOATS

Sl.	Details of items of repairs	Rate
1	(a) Dry docking, hauling the boat before repair L.S.	
	<u>Rate per boat.</u>	
	i) In Board Engine	-----
	ii) Out Board Engine	-----
	(b) Launching the boat after repairs and painting L.S.	
	<u>Rate per boat.</u>	
	i) In Board Engine	-----
	ii) Out Board Engine	-----
2	Scrapping & Chipping the hull deck & super structure both inside and outside & painting the same with 3 coats of marine paints as per existing colours	
	a) Rate per sft.	
	b) <u>Rate per boat</u> : -	
	i) In Board Engine	-----
	ii) Out Board Engine	-----
3	Renewal of corroded & damaged plate of hull, deck, bulk head, skeg & super structure by new plates as per existing thickness including cutting & fixing with welding / re-erecting (steel to be supplied by the contractor)	
	<u>Rate per M.T.</u>	
	a) 6 mm plates	-----
	b) 5 mm plates	-----
	c) 4 mm plates	-----
	d) 3.15 mm plates	-----
4	Renewal of corroded frames, angles by new M.S. frames & angles as per existing dimensions including cutting and fixing with welding / re-erecting (steel to be supplied by the contractor)	
	<u>Rate per M.T.</u>	
	a) 25 x 25 x 5 mm size	-----
	b) 30 x 30 x 5 mm size	-----
	c) 35 x 35 x 6 mm size	-----
	d) 40 x 40 x 6 mm size	-----
	e) 45 x 45 x 6 mm size	-----
	f) 50 x 50 x 6 mm size	-----
	g) 65 x 65 x 6 mm size	-----

Sl.	Details of items of repairs	Rate
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- 5 Painting the boat outside above W.L. & inside Hull & superstructure after necessary scrapping & cleaning with 2 coats of marine paints of existing colour.

a) Rate per sft. -----

b) Rate per boat : -

- i) In Board Engine -----
ii) Out Board Engine -----

- 6 Repairs to corroded & holed hull / skeg / deck & super structure plates with new M.S. plates of required thickness by patch welding (both side)

Rate per MT

- a) 6 mm plate -----
b) 5 mm plate -----
c) 4 mm plate -----
d) 3.1 mm plate -----

- 7 Renewal of **wooden planks** of deck, superstructure, gunwals and coaming, as per existing dimnesion with sal timber including fitting with screws and caulking & puttying the planks seams with oakum & marineglue to make water tight

Rate per sft.

- a) 1 1/4" thick -----
b) 1" thick -----
c) 3/4" thick -----

- 8 Renewal of deck beams with **sal timber** as per existing dimension including fixing & fitting.

Rate per rft.

- a) 2" x 5" -----
b) 2" x 4" -----
c) 1 1/2" x 3" -----

- 9 Supplying & fitting of floor frames with **synthetic** of required dimension including fitting & fixing

Rate per rft.

- a) 2" x 4" -----
b) 2" x 3" -----
c) 1 1/2" x 3" -----

Sl.	Details of items of repairs	Rate
10	Renewal of roof frames, battens with sal timber of thick including fitting & fixing with M.S. Bolts and nuts	
	<u>Rate per rft.</u>	
	a) 2" x 1"	-----
	b) 2 1/2" x 1"	-----
11	Repairs to & renewal of bench planks with sal plank /marine ply of required thickness including fitting & fixing with screws.	
	<u>Rate per sft.</u>	
	a) sal planks	
	i) 3/4" thick	-----
	ii) 1" thick	-----
	b) Marine Ply	
	i) 9 mm thick	-----
	ii) 12 mm thick	-----
12	Renewal of side screenes with 18-oz, W.P. cotton canvas complete with fitting arrangements of rollers complete fitting & fixing with sal battens , brass screws & M.S. Nuts and bolts.	
	Rate per sft. -----	-----
13	Repairs to navigational light stands as per existing dimension complete with fixing arrangement for navigation light	
	Rate per each. -----	-----
14	Renewal of roof railing with synthetic battens including fitting & fixing with railing bracket.	
	<u>Rate per rft.</u>	
	a) 2" x 1"	-----
	b) 1 1/2" x 3/4"	-----
15	Supply of access ladder 12'.0" x 0'.10" x 1 1/4" thick made with sal wood including painting B.S. Grey paints	
	Rate per each -----	-----
	Sal wood/Iron (G.I)	
	a)Sal wood ---	
	b)Iron (G.I) ----	
16	Chipping, scraping, cleaning & painting anchor & chain with anti-corrossive black paints	
	b) <u>Rate per each</u> : -	
	i) In Board Engine	-----
	ii) Out Board Engine	-----

Sl.	Details of items of repairs	Rate
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17 Supply of bamboo (Kata) suitable for boat 1 1/2" to 2" dia 20ft.
Long
Rate per each -----

18 Supply & fitting of side planks supporting roof frame with sal planks including fitting & fixing with screw and bolts & nuts

Rate per sft.
a) 3" x 3/4" -----
b) 4" x 1" -----

19 a) Repairs to existing rudder including fitting & fixing to boat

Rate per MT.

b) Provision of new steel rudder complete with tiller as per existing dimension, including fitting & fixing to the boat

Rate per MT.

c) Renewal of tiller with M.S. angle as per required dimension including labour charges
a) Rate per each -----
b) Rate per MT.

20 Providing new G.I. Sheets of 24 gauge thick or new alluminium sheet of 26G on the roof, including fitting & fixing with iron screws & bolts & wooden battens, complete making the roof water tight. The joints should be made to stop leaking of water.

Rate per sft. :
a) Alluminum -----
b) G.I. Sheets -----

21 Renewal of **synthetic/ wooden** of Gunwale, deck with **sal timber** of including fitting & fixing with screws

Rate per rft. -----
synthetic / Wooden
A B
a) 2" x 1 1/2" -----
b) 1 1/2" x 1 1/2" -----
c) 1 1/2" x 1" -----
d) 1" x 1" -----

Sl.	Details of items of repairs	Rate
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- 22 Provision of 9 mm thick, masonite or synthetic plywood in the roof including fitting and fixing

Rate per sft.

- a) Masonite -----
b) synthetic plywood -----

- 23 Renewal or providing M.S. angle rafters for roof including fitting & fixing

Rate per MT

- a) 25 x 25 x 5 mm -----
b) 30 x 30 x 5 mm -----
c) 35 x 35 x 6 mm -----
d) 40 x 40 x 6 mm -----
e) 45 x 45 x 6 mm -----
f) 50 x 50 x 6 mm -----
g) 65 x 65 x 6 mm -----

- 24 Provision of new tarpfelt over masonite / timber roof laid on thick paints including fitting & fixing to make it water tight

Rate per sft. -----

- 25 a) Renewal of steering wire rope flexible & complete fitting & fixing with M.S. clamps

Rate per rft. :

- i) 5/16" dia -----
ii) 3/8" dia -----
iii) 1/4" dia -----

- b) Renewal of steering chain as per existing dimension completed with fitting & fixing with M.S. clamps

Rate per rft. -----

- c) Renewal of steering wire guide pulley including fixing with M.S. brackets, bolts and nuts to the boat.

Rate per each.

- i) 3" dia -----
ii) 4" dia -----

- d) Renewal of steering wire rope adjusted to steering guide & including fitting and fixing

Rate per each -----

Sl.	Details of items of repairs	Rate
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e) Renewal of chain clamps or shackles as per existing dimension and materials

Rate per each -----

f) Renewal of steering chain link including welding etc.

Rate per link -----

26 A) Renewal of glass pannels with 5 mm thick, ordinary glass complete fitting & fixing with nails etc.

Rate per sft. -----

B) Renewal & repairs to window frames with Sal timber including fitting & fixing with hanger & hooks & painting with 2 coats of paints

a) Rate per each

i) 3" x 1" -----

ii) 2" x 2" -----

b) Rate per rft.

i) 3" x 1" -----

ii) 2" x 2" -----

C) Supply and fitting of window hinges and hooks

Rate per each

a) Hinges

i) 2" long -----

ii) 3" long -----

b) Hook -----

27 A) providing new door with 3/4" thick sal planks including fitting & fixing with hinges & hooks in the boat.

Rate per boat -----

B) Providing new door frames with sal including fitting & fixing to the boat

Rate per rft.

i) 2" x 2" -----

ii) 3" x 1 1/4" -----

Sl.	Details of items of repairs	Rate
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C) (i) Repairs to existing doors with frame **sal** as per existing dimension.

Rate per sft. -----

(ii) Repairs to existing door frames with **sal**

Rate per rft.

i) 2" x 2" -----

ii) 3" x 1 1/4" -----

28 Renewal of **synthetic** floor boards with **synthetic** as per required dimension including fitting and fixing to the boat.

Rate per sft. (a) 1" thick -----

(b) 3/4" thick -----

29 Repairs to and renewal to engine bearers of as per existing dimension with M.S. Plate & angles including fitting & fixing & welding etc.

Rate per MT, Plate / Angle -----

30 Rectification of distortion of propeller blades as and where necessary

Rate per propeller -----

31 Supply & fitting of brass and copper pin to propeller shaft to lock the nut of propeller

Rate per each -----

32 Supply & fitting of M.S. nuts & bolts as and where necessary

Rate per each

i) 1/4" x 2" to 3" long -----

ii) 3/8" x 3" to 4" long -----

iii) 1/2" x 4" to 5" long -----

iv) 5/8" x 5" to 6" long -----

33 A) Supplying & fitting of C.I. Bollard and fair lead with M.S. nuts & bolts on wooden base

Rate per each

a) C.I. Bollard

i) 7" long -----

ii) 3" to 4" long -----

b) Fair lead -----

Sl.	Details of items of repairs	Rate
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B) Taking out the existing C.I. Bollard and fair leads & refitting with new M.S. bolts & nuts after renewal of wooden base

Rate per each

- a) C.I. Bollard
 - i) 7" long -----
 - ii) 3" to 4" long -----
- b) Fair lead -----

34 Supplying of dressed sal ballah

Rate per each

- i) 4" dia - 12' long -----
- ii) 5" dia - 14' long -----
- iii) 6" dia - 16' long -----

35 Supplying & fitting of flag stand of 5' height with M.S. rod or sal timber with 2 coats of approved paints including fitting and fixing to the boat.

Rate per each

- a) Wooden flag stand -----
- b) M.S. flag stand -----

36 Fitting and fixing of old existing servicable steel plate after cutting & welding

Rate per rft. -----

37 Fitting the engine and stern-gear assembly complete with necessary allignment of propeller shaft and stern tube.

Rate per each -----

38 Providing new roof ralling made with M.S. rod 12 mm dia and where necessary including fitting & fixing with welding

Rate per rft. -----

39 Renewal and repairs to stanchion with **sal wood** including fitting & fixing to the boat with M.S. Bolts and nuts

Rate per rft.

- a) 3" x 2"
- b) 3" x 1 1/2"

Sl.	Details of items of repairs	Rate
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- 40 M.S. Scraps recovered from the boat after repairs (The M.S. scraps have to take back by the repairing agency)

Rate per kg. -----

(Highest bid rate will be accepted)

41

Labour charges of overhauling of engine with sterngear assembly including machining work and calibration of fuel pump.

Rate per each (a) Inboard Engine -----

SCHEDULE FOR REPAIRS OF F.R.P POWER BOATS

Sl.	Details of items of repairs			Rate
1	Dry docking, beaching and blocking the boat before repairs			
	Rate per boat :	i)	Above 25' long F.R.P.	-----
		ii)	20' to 25' long FRP	-----
		iii)	13' to 14' long FRP	-----
2	Launching the boat after repairs and painting			
	Rate per boat :	i)	Above 25' long F.R.P.	-----
		ii)	20' to 25' long FRP	-----
		iii)	13' to 14' long FRP	-----
3	Repairs to crack / damage of hull with keel, stem and side bit with FRP moulding upto 6 layers including finishing and matching the colour and labour charges			
	Rate per sft.			-----
4	Repairs to crack / damage of gunwale, bulkhead, deck, superstructure and benches with FRP moulding upto 4 layers inclusive of finishing and matching of colour and labour charges			
	Rate per sft.			-----
5	Repairs to and renewal of damaged Rubber fender of sal wood including fitting finishing and matching of colour with labour charges.			
	Rate per rft.			
6	Repair to wooden bench plank with fibre plank including fitting, finishing & painting including labour charges			
	Rate per sft.			
		i)	3/4" thick	-----
		ii)	1" thick	-----
		iii)	1 1/4" thick	-----
	PVC Board (18 mm)			

Sl.	Details of items of repairs			Rate
7	Repairs of floor boards with synthetic ply including fitting and fixing with 3 coats of FRP coating including labour charges.			
	Rate per sft.:			
	a) 9mm synthetic ply with FRP coating		-----	
	b) 9mm synthetic ply without FRP coating		-----	
	c) 12mm synthetic ply with FRP coating		-----	
	d) 12mm synthetic ply without FRP coating		-----	
8	Painting of entire boat inner & outer with 2 coats of paint of existing colour after repairs with labour charges.			
	a) Rate per sft.:		-----	
	b) Rate per boat :			
	i) Above 25' long F.R.P.		-----	
	ii) 20' to 25' long FRP		-----	
	iii) 13' to 14' long FRP		-----	
9	Repairs to or renewal of stanchion of existing dimension with salwood including fitting & fixing with M.S. Bolts & nuts and painting with matching colour including labour charges.			
	Rate per rft.			
	i) 3" x 1 1/2"		-----	
	ii) 2 1/2" x 1 1/4"		-----	
10	Renewal of damaged transom planks with sal wood / synthetic ply including fitting and fixing with nut & bolts including labour charges.			
	Rate per sft.			
	a) Sal wood -			
	i) 1 1/2" thick		-----	
	ii) 1" thick		-----	
	b) Synthetic Ply -			
	i) 19 mm thick		-----	
	ii) 12 mm thick		-----	
11	Fitting of old and existing C.I. Bollard or fair lead on wooden base including fixing with M.S. Bolts and nuts and FRP coating to avoid leakages.			
	Rate per each.			
	i) 7" long		-----	
	ii) 3" to 4" long		-----	

Sl.	Details of items of repairs			Rate
12	Providing & fitting of C.I. Bollard on wooden base including fitting and fixing with M.S. Bolts & nuts & FRP coating .			
	<u>Rate per each</u>			
	i) 7" long		-----	
	ii) 3" to 4" long		-----	
13	Providing of access ladder of G.I including painting with 2 coats of paints.			
	<u>Rate per each :</u>			
	a) 07' - 0" long x 10" x 1"		-----	
	b) 10' - 0" long x 10" x 1 ^{1/4} "		-----	
	c) 12' - 0" long x 10" x 1 ^{1/4} "		-----	
14	Providing of Bamboo (Kata) suitable for Boat 2" / 1½" dia 20'-0" to 25'-0" long			
	Rate per each		-----	
15	Providing of dressed sal bullahs for 4" to 5" dia 10'-0" long			
	Rate per each		-----	
16	Cleaning the boat inside and outside with soap including labour charges.			
	<u>Rate per boat :</u>			
	i) Above 25' long F.R.P.		-----	
	ii) 20' to 25' long FRP		-----	
	iii) 13' to 14' long FRP		-----	
17	Chipping, scarping and painting of anchor with anticorrosive black paint including labour charges			
	<u>Rate per each :</u>		-----	
18	Painting the boat above water level outside and inside with 2 coats of approved marine paints of existing colours after washing & cleaning with soap including labour charges			
	a) Rate per sft.		-----	
	b) <u>Rate per boat :</u>			
	i) Above 25' long F.R.P.		-----	
	ii) 20' to 25' long FRP		-----	
	iii) 13' to 14' long FRP		-----	

Sl.	Details of items of repairs				Rate
19	Renewal of roof planks with synthetic including fitting and fixing over the roof frame with 3 coats of FRP to make the roof water tight.				
	Rate per sft.				
		i)	6 mm synthetic ply with moulding	-----	
		ii)	9 mm synthetic ply with moulding	-----	
		iii)	12 mm synthetic ply with moulding	-----	
20	Renewal of Deck, gunwale and coming with synthetic ply including fitting and fixing with nuts & bolts / screws and 3 coats of FRP coating as per existing colour including labour charges.				
	Rate per sft.				
		a)	9 mm Synthetic ply with moulding	-----	
		b)	12 mm Syntheticply with moulding	-----	
		c)	19 mm Synthetic ply with moulding	-----	
21	Straightening and renewal of 40 HP rudder shaft and making the rudder pulley for smooth operation including labour charges.				
	Rate per each			-----	
22	Repairs or renewal of roof railing with 1" dia G.I. Pipe including painting with marine paint including labour charges.				
	Rate per rft			-----	
23	Renewal of deck railing with 1" dia G.I. Pipe including fitting and fixing with bolts & nuts and FRP moulding the base plates and painting.				
	Rate per rft			-----	
24	Repairs or renewal of floor boards Jally with salwood battons (1/4" x 1½ " size) in 4" apart including fitting and fixing with screws and nails with labour charges.				
	Rate per sft			-----	
25	Repairs and renewal of floor board frames with 2" x 1½" sal wood including fitting and fixing complete.				

Sl.	Details of items of repairs						Rate
	Rate per rft					-----	
26	Renewal or replacement of damaged planks of ceiling or inner portion of the boat where necessary with Synthetic ply including fitting and fixing with screws, nails etc.						
	<u>Rate per sft.</u>						
		i)	6 mm Synthetic ply			-----	
		ii)	9 mm Synthetic ply			-----	
27	Renewal of glass panel with 5 mm thick glass / fibre glass complete fitting and fixing to make water tight with rubber breeding.						
	Rate per sft. :	a)	Glass			-----	
		b)	Fibre Glass			-----	
28	Taking out the damaged rubber bidding of glass and renewing the same as per existing dimension.						
	Rate per rft					-----	
29	Renewal of wooden bearers / beams of deck, roof & super structures with sal wood including fitting and fixing						
	<u>Rate per rft. :</u>						
		i)	2" x 4"			-----	
		ii)	1 1/2" x 3"			-----	
		iii)	1 1/2" x 2"			-----	
		iv)	2" x 2"			-----	
30	Renual of canopy raxin						
		i)	20 ft to 25 ft lonf for FRP				
		II)	More than 25 ft long for FRP				

Sl.	Details of items of repairs					Rate
31	Renual of 1 inch dia steel pipe to be used for spreading of cannopy in the steering power boat making the pipe into proper shape with fitting and fixing charges.					
		a)	Rate per one no.			