Schedule A-1

BOQ for Dry Dock repair of CSD Mahananda during the year 2009-10
L- 40.3 M, B - 7.0 M, Depth - 2.46 M, Draft - 1.2 M, GRT - 108 .

SL. NO	DESCRIPTION OF WORK	UNIT	QTY	RATE	AMOUNT
1	Docking & undocking charge	No.	1		
2	Dock hire charge	Days	30		
3	Mooring charge	Days	30		
4	Ultrasonic testing of under water hull plate & deck plate	Spot	150		
5	Cropping and renewal of MS plate of hull, Deck, frame, angle which ever detected defective / less than permissible thickness after inspection of IWT surveyor	Ton.	0.5		
6	Chipping, scrapping wire brushing & cleaning of under water hull plates from keel to LWL	Sqm	350		
7	Provision for painting of external shell from keel to LWL with one coat of red oxide primer followed by one coat of anti failing & one coat existing colour marine quality paint as per painting schedule	Sqm	320		
8	Provision for painting of external shell from LWL to Deck with one coat of zinc chromate primer followed by two coat of existing colour marine quality paint as per painting	Sqm	110		
9	Both spud are not holding the dredger during dredging same to be checked & rectified the defects including its assoseries as per directive of IWT Surveyor & E/I				
a)	Labour charges	No	2		
b)	Cost of spare (actual + 10 %)	No.	1		
10	Deck water pump and engine to be serviced				
a)	Labour charges	No.	1		
b)	Cost of spare (actual + 10 %)	No.	1		
11	Checking / Servicing / repairing of under water all lines & all valves & other fitted valves.				
a)	Labour charges	Job comp	1		
b)	Cost of spare (actual + 10 %)	No.	1		
12	Emergency Hydraulic pump Is not working. Motor, Pump, starter including Hy. Pipe lines to be checked and rectified the defects.				
a)	Labour charge	No	1		
b)	Cost of Spare (Actual + 10 % basis)	LS	1		
13	Main Engine water flushing pump to be serviced				
a)	Labour charge	No	2		
b)	Cost of Spare (Actual + 10 % basis)	LS	1		
14	Side railing are failing straightened and welded.	Comp Job	1		
15	Dredging pipe line davit stand is bended to be renewed the stand pipe and supporting pipe.	No	1		

16	CAT main engine model No. - 3508 DITA to be checked & starting problem & exhaust gas leaking from head manifold side same to be arrested rectified the defect as per norms				
a)	Labour charge	No	1		
b)	Cost of Spare (Actual + 10 % basis)	LS	1		
17	Ladder pulley, swing pulley & other fitment of all pulley & its related assoseries to be serviced.				
a)	Labour charge	Comp Job	1		
b)	Cost of Spare (Actual + 10 % basis)	LS	1		
18	Exhaust fan to be serviced				
a)	Labour charge	No	2		
b)	Cost of Spare (Actual + 10 % basis)	LS	1		
19	All tanks & build i.e., HSD tank, Hy oil tank etc. to be cleaned & all deck main hols rubber packing & rusted nut bolt also renewed including labour and materials.	Comp Job	1		
20	Horn is not working same to be repaired / renewed including labour and materials	Comp Job	1		
21	Checking / repairing / servicing (if required replacement of worn out parts) of entire electrical lines / electronic lines (AC / DC) distribution line, panel board, PCB, connected with hydraulic lines / pneumatic lines, switch & holders, tube light, nav				
a)	Labour charges	Comp Job	1		
b)	Cost of spare (actual + 10 %)	LS			
22	Wheel house AC to be serviced				
a)	Labour charge	No	1		
b)	Cost of Spare (Actual + 10 % basis)	LS	1		
23	Wheel house broken window glass to be renewed as per sized and sample including labour and materials	Comp job	1		
24	Dredge pump clutch operating start up unit speed monitoring devices type M 5.24 - is not working to be checked including sensor and electrical / Electronic line and rectified the defects				
a)	Labour charge	No	1		
b)	Cost of Spare (Actual + 10 % basis)	LS	1		
25	Fire extinguisher to be serviced, refitted and tested				
a)	Foam type - 9 lts	No	2		
b)	DCP - 5 kg	No	2		
26	Port side main engine make Cummins, model no. 53GF4, HP-52 to be serviced				
a)	Labour charge	No	1		
b)	Cost of Spare (Actual + 10 % basis)	LS	1		
27	Water supply line is damaged same to renewed and all fitment assoseries provided				
a)	Labour charge	No	1		

b)	Cost of Spare (Actual + 10 % basis)	LS	1		
28	Air Bottle Air is leaking to be arrested	No	1		
29	Entire Hydraulic line to be checked & Hy. Oil leaking in Hydraulic arrested including labour & material.	Comp Job	1		
30	Cutter teeth to be build up	Comp Job	1		
31	Sea chest, Mud box, stainer to be checked, repaired, cleaned and painted.	Comp Job	1		
	Total Amount				

Schedule A-2

BOQ for afloat repair CSD Yamuna during the year 2009-2010
L- 40 M, B - 10 M, Depth - 2.30 M, Draft - 1.2 M, GRT - 165 .

Sl. No	DESCRIPTION OF WORK	UNIT	QTY	RATE	AMOUNT
1	Both blower air filter to be renewed including labour and material	No.	4		
2	Fire extinguisher to be serviced, refilled and tested				
a)	Foam type - 9 ltrs	No.	4		
b)	DCP - 5 ltrs	No.	3		
c)	Water CO2 -9 ltrs	No.	2		
3	Fresh Water tank of Main Engine & Aux. Engine to be cleaned	No.	2		
4	Main Engine & Aux. Engine CAT Model No. - 3512 & 3412 safety unit is not working, same to be checked and rectified the defects including Alarm unit, sensor and engine all performance checked & all leakage are arrested etc.				
a)	Labour charges	No.	2		
b)	Cost of spare (Actual + 10%)	L.s	1		
5	Dredge pump pneumatic clutch and main engine pneumatic speed control are not engaging through switch in wheel house & engine room, same to be checked and rectified the defects.				
a)	Labour charges	No.	1		
b)	Cost of spare (Actual + 10%)	L.s	1		
6	Main Spud Hydraulic brake is not holding & releasing properly same to be checked and rectified the defects.				
a)	Labour charges	No.	1		
b)	Cost of spare (Actual + 10%)	L.s	1		
7	Cutter pressure meter-0-250 bar, wheel house, all measuring gauge & its switch i.e., dredging computer, deft meter, vacuum meter, discharge meter, winch swing switch spud career meter, talk back system spud carrier 0-250 bar, mixture density-1.2-0-1.2cum,h				
a)	Labour charges	Comp Job	1		
b)	Cost of spare (Actual + 10%)	L.s	1		
8	All Grease line & motor switch to be checked & cleaned and worn out parts to be renewed				
a)	Labour charges	Comp Job	1		
b)	Cost of spare (Actual + 10%)	L.s	1		
9	Routine maintenance of Harbor engine USA Cummins make Model - 4BT - 3.9 HP with safety unit control system.				
a)	Labour charges	No.	1		
b)	Cost of spare (Actual + 10%)	L.s	1		

10	Anchor swing pulley to be opened, clearness to be checked and if required build up the bush and pin and same to be fitted after repairing.				
a)	Labour charges	No.	7		
b)	Cost of spare (Actual + 10%)	L.s	1		
11	All electrical line its fitting AC/DC to be checked and rectified the defects				
a)	Labour charges	No.	1		
b)	Cost of spare (Actual + 10%)	L.s	1		
12	Compressor engine auto switch (30 bar cut & 20 bar start) to be renewed with labour & materials	No	2		
13	Dredge pump impeller pump shaft & bearing & cooling system to be opened & inspected and worn out parts to be replaced and fitted back, if required draw plate, impeller, and casing to be build up / renewed.				
a)	Labour charges	No	1		
b)	Cost of spare (Actual + 10%)	L.s	1		
17	Hydraulic oil is leaking in several joint, Hy. Pump etc in hy. Line to be to be checked and rectified the defects & all leakage are arrested etc..				
a)	Labour charges	Job	1		
b)	Cost of spare (Actual + 10%)	L.s	1		
18	Sal wood bench to be supplied size - 6' x 2.0'x 1.5'	No	2		
	Total				

Schedule A-3

BOQ for afloat repair of HSD Sone during the year 2009- 10
L- 27.50 M, B - 10 M, Depth - 2.80 M, Draft - 1.2 M, GRT - 185 .

SL.NO	DESCRIPTION OF WORK	UNIT	QTY	RATE	AMOUNT
1	Provision for supply of spare parts, tools, electrical goods, wooden pin, wooden hammer, battery, PP rope, wire rope, first aid boiler suits, paint & brush other related items etc	LS	1		
2	Fire extinguisher to be serviced refilled and tested.				
(a)	DCP - 5 Kg	No.	3		
(b)	Foam type 9 Lts	No.	4		
(c)	Water type CO_2 9 Lts	No.	3		
3	200 lts Refrigerator to be serviced				
a)	Labour charges	No.	1		
b)	Cost of spare (Actual + 10%)	LS	1		
4	Toilet basin wooden base is damaged to be renewed	No.	1		
5	Gen set sea water pump to be supplied and fitted	No.	1		
6	Advertisement charges	LS	1		
	Total				
7	Contingency @ 3 %				
	Grand Total				

Schedule A-4

BOQ for dry docking repair of tug Birsamunda during the year 2009- 10
L- 21.5 M, B - 6.5 M, Depth - 2 M, Draft - 1.2 M, GRT - 73 Ton.

SL.NO	DESCRIPTION OF WORK	UNIT	QTY	RATE	AMOUNT
1	Docking & Undocking	No.	1		
2	Dock Hire charges	Days	30		
3	Mooring charges	Days	30		
4	Ultra Sonic testing to be made of Hull & deck plate	Spot	150		
5	Cropping & renewed of under wall hull plate, side plate decks plate, angle frames, bracket etc if required	Ton	1		
6	Under water hull plate & side plate to be chipped, wire brushed and cleaned from Keel to water level	Sqm	210		
7	Under water hull plate & side plate painted by 3 coats as per painting scheme from keel to water level	Sqm	210		
8	The Entire ship side shell plate from LWL to Main deck to be chipped, wire brushed and cleaned	Sqm	50		
9	The entire ship side shell plate from LWL to deck Main deck to be painted by 3 coats as per painting scheme	Sqm	50		
10	All Main sea suction valve and sea line valves to checked, tested and serviced including other fitment valve in entire ship.				
a)	Labour charge	Job comp	1		
b)	Cost of spare (Actual + 10 %)	LS			
11	Sea chest, Mud box, strainer to be checked, cleaned, repaired and painted & mud box to be modified as per E/S	No.	2		
12	Electronic sukan is not working to be checked including line, limit switch, micro switch and rectified the defects				
a)	Labour charge	No.	1		
b)	Cost of spare (Actual + 10 %)	LS			
13	All Electrical / Electronic line & AC/DC fan navigation lite, other fitment including engine related to be checked line, panel board, sensor and rectified the defects				
a)	Labour charge	Job comp	1		
b)	Cost of spare (Actual + 10 %)	LS			
14	Routine maintenance of both main engine make Cummins, Model NT - 855 M				
a)	Labour charge	No.	2		
b)	Cost of spare	LS			
15	Entire deck, super structure railing and other fitting to be chipped, wire brushed, cleaned and painted by one coat of primer and one coat cort of Marine quality existing colour paint	Sqm/per coat	800		
16	All bilge to be cleaned	Job comp	1		
17	Fire hydrant valve to be serviced				

a)	Labour charge	No.	3		
b)	Cost of spare	LS			
18	Fire extinguisher to be serviced and refilled and tested				
a)	DCP - 5 kg	No.	4		
b)	Foam type - 9 lts	No.	4		
c)	Water Co2 - 9 Lts	No.	3		
19	Routine Maintance of Both Generator Engine Make Kirloskar BHP - 23.6 & 13.3				
a)	Labour charge	No.	2		
b)	Cost of spare (Actual + 10 %)	LS			
20	Both side propeller, propeller shaft Asten tube and it bushes to be opened for finding out the clearness of bush, truness and if requierd buildup the shaft, bushes etc and refitted in OE position as per drawing after faring with same composition of mater				
a)	Labour charge	No.	2		
b)	Machining charge	LS			
c)	Cost of spare / remetallin	LS			
21	Propeller blade to be strainghted, build up, profele to be checked, bedding and balancing				
a)	Labour charge	No.	2		
b)	Machining charge	LS			
c)	Cost of material	LS			
22	Both rudder assembly to be opened and checking the rudder shaft, truness, blade and its flange, checking of clearness of bush and if required same to be buildup repaired and fitted back in OE Position				
a)	Labour charge	No.	2		
b)	Machining charge	LS			
c)	Cost of spare / remetallin	LS			
23	Side rubber funder is damaged to be renewed with labour & materials length - 8 mtr	Job comp	1		
24	Rotary (hand pump) to be serviced				
a)	Labour charge	No.	2		
b)	Cost of spare	LS			
25	G.S. & Emergency pump to be checked & sound defect rectified.				
a)	Labour charge	No.	4		
b)	Cost of spare & machining (actual + 10%)	LS			
26	Main engine sea water pump to be seviced				
a)	Labour charge	No.	4		
b)	Cost of spare & machining	LS			
27	Chain locker compartment to be cleaned & painted, chain to be drawn out, cleaned and painted	Job comp	1		
28	Servicing of Anchor windless assembly.				
a)	Labour charge	No.	1		

b)	Cost of spare & machining (actual + 10%)	LS			
29	Modification of fore pick hand pump including labour & materials as per E/I	No.	1		
30	Fixing 2 nos each side bollard on fore pick STBD & Port	No.	4		
31	All fitment of wooden / sunmica wall & furniture to be repair / renewed as E/I				
a)	Labour charge	Job comp	1		
b)	Cost of spare & machining (actual + 10%)	LS			
	Total Amount				

Schedule A-5

BOQ For Dry Dock Repair of PT Tilak during the year 2009-10
(20.5 M. x 6.5M, x 1.2 M.)

SL. No	DESCRIPTION OF WORK	UNIT	QTY	RATE	AMOUNT
1	Docking & Undocking	No.	1		
2	Dock Hire charges	Days	30		
3	Mooring charges	Days	30		
4	Ultra Sonic testing to be made of Hull & deck plate	Spot	150		
5	Cropping & renewed of under wall hull plate, side plate decks plate, angle frames, bracket etc if required	Ton	1		
6	Under water hull plate & side plate to be chipped, wire brushed and cleaned from Keel to water level	Sqm	210		
7	Under water hull plate & side plate painted by 3 coats as per painting scheme from keel to water level	Sqm	210		
8	The entire ship side shell plate from LWL to Main deck to be chipped, wire brushed and cleaned	Sqm	50		
9	The entire ship side shell plate from LWL to deck Main deck to be painted by 3 coats as per painting scheme	Sqm	50		
10	All Main sea suction valve and sea line valves to checked, tested and serviced including other fitment valve in entire ship.				
a)	Labour charge	Job comp	1		
b)	Cost of spare (Actual + 10 %)	LS			
11	Sea chest, Mud box, strainer to be checked, cleaned, repaired and painted & mud box to be modified as per E/S	No.	2		
12	Rudder indicator is not working to be checked including line, limit switch, micro switch and rectified the defects				
a)	Labour charge	No.	1		
b)	Cost of spare (Actual + 10 %)	LS			
13	PORT & STBD rudder (new one manufactured as per drawing) assembly to be dismantled rudder stock and bushes for finding out the clearance & checking of trueness etc. to be checked and if required built up as per OE size (as per drawing) and fitted back				
(a)	Labour charge	No.	2		
(b)	Machining charges Actual + 10%	LS			
(c)	Cost of spare actual+10% (including 2nos. new one rudder blade)	LS			
14	Main engine sea water pump and Emergency pump to be serviced and align with engine.				
(a)	Labour charge	No.	4		
(b)	cost of spare (actual +10 %)	LS			
15	Checking and servicing of fire pump and suction and delivery valves lines				
(a)	Labour charge	No.	1		
(b)	Cost of spare actual +10 %	L S			

16	Routine maintenance of both main engine Make- Cummins engine, model no-NT-855 M including all electric line and its sensor is to be checked and rectified the defect (inspection done by authorized agent)				
(a)	Labour charge	No	2		
(b)	Cost of spare parts.	LS			
17	Side rubber fender, support bracket, Iron plate, all damaged bollards are to be cropped and renewed the plate.				
(a)	Labour charge	Job comp	1		
(b)	Cost of materials	LS			
18	Hydraulic/ mechanical steering pump, and rudder system to be checked and rectified the defect.				
(a)	Labour charge	No	1		
(b)	Cost of spare parts.	L.S			
19	Anchor winch and chain to be checked and rectified the defect of break system.	Job comp	1		
20	All Electrical / Electronic line & AC/DC fan navigation lite, other fitment including engine related to be checked line, panel board, sensor and rectified the defects				
a)	Labour charge	Job comp	1		
b)	Cost of spare (Actual + 10 %)	LS			
21	LWL to Deck, Deck plate , Supper structure , side railing and all fittings to be scrapped ,cleaned and painted by two ports	Per Sqm/ Per quot	500		
22	Damaged ply board ceiling & side wall in wheel house and crew cabin to be renewed	L.S			
23	Fire extinguisher to be serviced and refilled				
(a)	Foam type - 9 lts	No	5		
(b)	Soda Acid (9Ltrs)	No	2		
(c)	DCP - 5 kg	No	3		
24	Servicing of self startar				
(a)	Labour charge	No	3		
(b)	Cost of spare (Actual + 10 %)	LS			
25	Servicing of dynamo				
(a)	Labour charge	No	3		
(b)	Cost of spare (Actual + 10 %)	LS			
26	Wheel house kitchen window wooden door to be renewed.	No	3		
27	Both side propeller, propeller shaft astan tube, cort nozzle and it bushes is to be opened for finding out the clearness & checking of turness, buildup of bushes, etc and rectified in OE position as per drawing after fairing with same composition of Material				
(a)	Labour charge	No.	2		
(b)	Machining charges	L-S			
(c)	Cost of spare (Actual + 10 %)	L-S			
28	Build up of propeller blade if required, dressing to profile, bedding balancing of propeller, key to be bedded	No.	2		
	TOTAL				

Schedule A-6

BOQ for Dry Dock repair of W.B. Lily during the year 2009- 10
L- 24.58 M, B - 8.56 M, Depth - 2 M, Draft - 1.2 M, GRT - 131 .

SL. NO	DESCRIPTION OF WORK	UNIT	QTY	RATE	AMOUNT
1	Docking & undocking charge	No.	1		
2	Dock hire charge	Days	30		
3	Mooring charge	Days	30		
4	Ultrasonic testing of under water hull plate & deck plate	Spot	150		
5	Cropping and renewal of MS plate of hull, Deck, frame, angle which ever detected defective / less than permissible thickness after inspection of IWT surveyor	Ton.	0.5		
6	Chipping, scrapping wire brushing & cleaning of under water hull plates from keel to LWL	Sqm	400		
7	Provision for painting of external shell from keel to LWL with one coat of red oxide primer followed by one coat of anti failing & one coat existing colour marine quality paint as per painting schedule	Sqm	320		
8	Provision for painting of external shell from LWL to Deck with one coat of zinc chromate primer followed by two coat of existing colour marine quality paint as per painting	Sqm	80		
9	Checking / Servicing / repairing of under water all lines & all valves & other fitted valves.				
a)	Labour charges	Job comp	1		
b)	Cost of spare (actual + 10 %)	No.	1		
10	Checking cleaning of Mud box including labour & materials	No.	1		
11	Buildup of propeller blade if required, dressing to prifile, bedding, balancing of propeller, key to be bedded	No.	2		
12	Routine Maintenance of Main Engine make DAF - 1160, HP 265				
a)	Labour charges	No.	2		
b)	Cost of spare (actual + 10 %)	LS			
13	Servicing / repairing of fresh water pump				
a)	Labour charges	No.	2		
b)	Cost of spare (actual + 10 %)	LS			
14	Routine of Gen. Engine Make DAF, 58 KW (Running hrs. 23900)				
a)	Labour charges	No.	1		
b)	Cost of spare (actual + 10 %)	LS			
15	Servicing / Calibration of fuel pump				
a)	Labour charges	No.	1		
b)	Cost of spare (actual + 10 %)	LS			
16	Servicing / testing / calibration of injectors				
a)	Labour charges	No.	6		
b)	Cost of spare (actual + 10 %)	LS			

17	Servicing / repairing of fresh water pump				
a)	Labour charges	No.	1		
b)	Cost of spare (actual + 10 %)	LS			
18	Checking, cleaning & cementing of fresh water tank (Cap. 6000 & 280 ltrs.) & cleaning of HSD tank (Cap. 27000 & 3220 ltrs) sewage tank including labour & materials charge	Job comp	1		
19	Checking / repairing / servicing (if required replacement of worn out parts) of entire electrical lines / electronic lines (AC / DC) distribution line, panel board, PCB, connected with hydraulic lines / pneumatic lines, switch & holders, tube light, nav				
a)	Labour charges	Job comp	1		
b)	Cost of spare (actual + 10 %)	LS			
20	Wheel house window glass renewed including labor & materials as per sample	No.	1		
21	HRP unit Hand Follow - up steering of Both side electrical / electronical / hydraulic line to be checked and rectified the defects. If required the PCB, repit back unit (Rudder sensor) and Hydraulic valve oil sensor line of HRP oil all sensor line of HRP				
a)	Labour charges	No.	2		
b)	Cost of spare (actual + 10 %)	No.	1		
22	Renewed of intermediate shaft bearing and block				
a)	Labour charges	No.	2		
b)	Cost of spare (actual + 10 %)	LS			
23	Servicing and repairing of generator engine self starter				
a)	Labour charges	No.	1		
b)	Cost of spare (actual + 10 %)	LS			
24	Battery charger amp Meter line and Meter to be checked and rectified the defects with labour & materials	No.	1		
25	Engine room Blower to be serviced (STBD)				
a)	Labour charges	No.	1		
b)	Cost of spare (actual + 10 %)	LS			
26	Bilge Rotary hand pump not worming, same to be checked and rectified the defects				
a)	Labour charges	No.	1		
b)	Cost of Materials (actual + 10 %)	LS			
27	Port side Main Engine Lube oil Filter stand to repaired including labour & materials and oil leakage arranged	No.	1		
28	Both side pneumatic clutch is not working properly, electric line, pneumatic line & is valve and clutch plate to be checked and rectified the defects. If required Both side clutch plate to be renewed and calibrated as per norms				
a)	Labour charges	No.	2		
b)	Cost of spare (actual + 10 %)	LS			
29	STBD side Main engine RPM Meter is not working, same to be checked including, electric line, sensor & meter and calibrated. If required sensor and meter to be renewed.				
a)	Labour charges	No.	1		

b)	Cost of spare (actual + 10 %)	LS			
30	Fire extinguisher to be serviced, refilled and tested				
a)	Foam type- 9 kgs	No.	8		
b)	Dry Powder - 5 kgs	No.	3		
c)	Mechanical Foam - 9 lts	No.	6		
31	Owing FRP sheet to be renewed including labour & materials sheet size 120" x 32" & provided iron strip for fixing all FRP sheets	Job comp	1		
32	Kitchen room door and window to be repaired including labour & materials	Job comp	1		
33	Table Fan to be serviced				
a)	Labour charges	No.	3		
b)	Cost of Materials (actual + 10 %)	LS			
34	Swedge pumps is not working, same to be checked including motor, pump etc and rectified the defects.				
a)	Labour charges	No.	1		
b)	Cost of spare (actual + 10 %)	LS			
35	Both Main Engine Fuel pump and all injector to be serviced and calibrated				
a)	Labour charges	No.	2		
b)	Cost of spare (actual + 10 %)	LS			
36	Air bottle valve is leaking, to be checked and rectified the defects including labour & materials.	No.	1		
37	Crane operating switch panel line to be checked and rectified the defects	LS			
38	Anchor chain to be renewed accordance with Gipsee (stud link anchor chain 16 mm dia grade U-2 complete with one no. kenter join shackle) one length x 27 .5 mtrs x 3	Mtr	27.5 *3		
	Total Amount				

Schedule A-7

BOQ for afloat repair of HB Vishwakarma during the year 2009-10
L- 30.5 M, B - 7.6 M, Draft - 0.8 M, GRT - 250 .

SL. NO	DESCRIPTION OF WORK	UNIT	QTY	RATE	AMOUNT
1	Routine maintenance of 65 HP Leyland Gen. Set engine model no. ALU 370				
a)	Labour Charge	No.	1		
b)	Cost of spare (Actual + 10 %)	LS	1		
2	Routine maintenance of Kirloskar Gen Set. Engine 28 HP Silencer pipe is damaged to be repaired including labour and materials				
a)	Labour charge	Job comp	1		
b)	Cost of spare (Actual + 10 %)	LS			
3	All Electrical AC & DC lines, wall fans, exhaust fans, navigation light, switches, holders, tube lights , bulbs and other fitment including engine related to be checked line, pannel board, sensor and rectified the defects				
a)	Labour charge	Job comp	1		
b)	Cost of spare (Actual + 10 %)	LS			
4	All water supply lines pipe and its fitting to be checked and arrasted leakage.				
a)	Labour Charge	Job comp	1		
b)	Cost of spare (Actual + 10 %)	LS	1		
5	Fire extinguisher to be serviced, refitted and tested				
a)	Foam type - 9 lts	No	8		
b)	DCP - 5 kg	No	3		
	Total				

Schedule A-8

BOQ for afloat repair of HB Chandradinga during the year 2009- 10
L- 26.50 M, B - 9.0 M, Depth - 2.20 M, Draft - 0.80 M, GRT - 230

SL.NO	DESCRIPTION OF WORK	UNIT	QTY	RATE	AMOUNT
1	All Electrical AC & DC lines, wall fans, exhaust fans, navigation light, switches, holders, tube lights , bulbs and other fitment including engine related to be checked line, panel board, sensor and rectified the defects				
a)	Labour charge	Job comp	1		
b)	Cost of spare (Actual + 10 %)	LS			
2	All water supply lines pipe and its fitting to be checked and arrested leakage.				
a)	Labour Charge	Job comp	1		
b)	Cost of spare (Actual + 10 %)	LS	1		
3	Routine maintenance of Genet or Engine				
a)	Labour Charge	Job comp	1		
b)	Cost of spare (Actual + 10 %)	LS	1		
4	Sea Water & fresh pump Motor fan is broken to be renewed				
a)	Labour Charge	No.	2		
b)	Cost of spare (Actual + 10 %)	LS	1		
5	Fire hose box glass is broken to be renewed	No.	1		
6	Side guard railing to fairing, welding & straightened	Job comp	1		
7	Fire Extinguisher to be serviced, refilled and tested				
a)	Foam type - 9 kgs	No.	2		
b)	DCP - 5 kgs	No.	2		
c)	Water Co2 - 9 lts.	No.	3		
	Total Amount				