

**ESTIMATE FOR DRY-DOCKING REPAIR & MAINTENANCE OF VISHESWARIYA DURING THE YEAR  
2009-2010**

*LENGTH-54.56 Mts. WIDTH-9.6 Mts. DEPTH-2.4 Mts. DRAFT- 1.20 Mts.*

SL NO	DESCRIPTION OF WORK	UNIT	QTY	RATE	AMOUNT	REMARKS
1	Beaching,blocking,unblocking including of dock hire charges as required to be done for repair of vessels.	Comp.	Comp.	L.S		
2	Mooring charges as required to be done for repair of vessels.	Days	60			
3	Checking the thickness of hull plate by ultrasounding test as required to be done per direction of IWT Surveyor/EIC.	No	100			
4	Renewal of hull, deck ,side shell etc.M.S plate/pipe of existing thickness as required to be done as per direction of IWT Surveyor/EIC.	Kg	800			
5	Opening and fitting of both side rudder assembly after straightening,fairing , repairing/renewal of bearing etc. as required to be done as per direction of IWT Surveyor/EIC .					
a	Labour charges		2			
b	Cost of spare parts as required ( Acutal+10% basis).	As req.	As req.			
6	Opening and fitting of both side gun metal propeller( appx.dia-1000 mm,material-Manganeze Bronze) after remelting, fairing , balancing and bedding as required to be done as per direction of IWT Surveyor/EIC .	No	2			
a	Labour charges		2			
b	Cost of spare parts as required ( Acutal+10% basis).	As req.	As req.			
7	Opening and fitting of both side propeller shaft( appx.dia-100 mm,material-SS 316) and bushes after remelting,straightening,maching,bedding with the bushes alongwith renewal of bushes etc. as required to be done as per direction of IWT Surveyor/EIC.					
a	Labour charges	No	2			
b	Cost of spare parts as required ( Acutal+10% basis).	As req.	As req.			
8	Sea water pump of both side M.E to be repaired after renewal of spare-parts as required.					
(a)	Labour charges	No	2			
(b)	Cost of spare parts as required ( Acutal+10% basis).					
9	Pressure & temp. gaues are not working of both side gear boxes (Model no. 509) Make KPC. Same to be checked and rectified/ renewed as required.					
(a)	Labour charges	No	2			
(b)	Cost of spare parts as required ( Acutal+10% basis).					
10	Exhaust temp. meter of port & Stbd. side M.E (model no. N 743TM, BHP-195, Cummins India Ltd.) to be renewed as per direction of EIC.					
(a)	Labour charges	No	2			
(b)	Cost of spare parts as required ( Acutal+10% basis).					
11	Self Starter of both side M.E (model no. N 743TM, BHP-195, Cummins India Ltd.) is to be serviced/ repaired after renewal of spare-parts as required as per direction of EIC.					
(a)	Labour charges	No	2			
(b)	Cost of spare parts as required ( Acutal+10% basis).					

12	Port side RPM meter is not working. Same to be checked and renewed as required.					
(a)	Labour charges	No	1	LS		
(b)	Cost of spare parts as required ( Acutal+10% basis).					
13	Water temp. gauge of both side M.E to be replaced as required.					
(a)	Labour charges	No	2			
(b)	Cost of spare parts as required ( Acutal+10% basis).					
14	All sea water valve to be checked and repaired as required as per direction of Surveyor/ EIC.	NO	11			
15	Fresh water pump of both side Gen. set to be repaired after renewal of spare- parts as required as per direction of EIC.					
a	Labour charges	NO	2			
b	Cost of spare parts as required ( Acutal+10% basis).					
16	Self Starter/ dynamo of both side G.E is to be serviced/ repaired after renewal of spare-parts as required as per direction of EIC.	NO	1	LS		
a	Labour charges	NO	4			
b	Cost of spare parts as required ( Acutal+10% basis).	As reqd,	As reqd,			
17	Harbour alternator of 15 Kva-415 v-3PH.0.8P.F is to be serviced after renewal of spare-parts as required.					
a	Labour charges	NO	2			
b	Cost of spare parts as required ( Acutal+10% basis).	As reqd,	As reqd,			
18	Windlas electric lever is not working. Same to be checked and repaired as required as per direction of IWT Surveyor/ EIC.	NO	1	LS		
19	All navigational lights is to be checked and made operation as required after renewal of spare- parts as per direction of EIC/ IWT surveyor.					
a	Labour charges	Comp.	Comp.	LS		
b	Cost of spare parts as required ( Acutal+10% basis).	As reqd,	As reqd,			
20	Necessary servicing/ hy.testing and re-filling of all FFA as per direction of IWT surveyor/ EIC.(Pl. check all FFA before quote)	As reqd.	As reqd.	LS		
21	Supply and fitting of 3"coir & 1" H.D foam mattresses of good quality (Reputed make) as per direction of EIC..	NO	8			
22	Chipping, Scraping,Wire brushing,Cleaning and surface preparation to be done for painting of vessel from keel to water level as per direction of EIC.	Sq.m	700			
23	Painting of keel to water level by one coat of anti corrosive metal primer and two coat of anti-corrosive marine paint to be done as per direction of E.I.C.	Sq.m	700			
24	Chipping, Scraping,Wire brushing,Cleaning and surface preparation to be done for painting of vessel from water level to main deckas per direction of EIC.	Sq.m	190			
25	Painting of vessel from water level to main deck with one coat of anti corrosive metal primer and two coat of Ox-Blue marine paint to be done as per direction of EIC.	Sq.m	190			
<b>Total</b>				RS		