

BOQ FOR REPAIR OF TUG BHAGHAT SINGH FOR YEAR 2011-12

SL NO	DESCRIPTION OF WORK	QTY	RATE	AMOUNT	REMARKS
1	Beaching of the vessel including mooring & Dock hiring charges	Comp			
2	(a)Dismantling of both rudder assembly and checking the rudder shaft, truness, blade and flange, checking of clearance of bush, buildup, repaired and fitted back in OE position.				
	(i)Labour charge	2 nos			
	(ii)Cost of materials and machining charge(Act +10 %)	As reqd			
	(b)Fabrication and fitting of 1 no Rudder blade with flange and making flange of Rudder stock	1Set			
3	(a)Both side Propeller, Propeller shaft Astern tube and it bushes opened for finding out the clearness of bush ,truness, and if required build up the shaft, bushes to renew if required(4 nos) etc. and refitted in OE position as per drawing after fairing with same composition of matter.				
	(i)Labour charge	2 Set			
	(ii)Cost of materials and machining charge(Act +10 %)	As reqd			
	(b) Cooling system for water lubrication to install in stern tube bushes.	2 Set			
4	Propeller blades straightened, build up profile checked , bedding and balancing				
	(a)Labour charge	2Nos			
	(b)Cost of material and machining charges (Act+10%)	As reqd			
5	Stbd Main engine to attend for leakage of air C.O and other adjustants	1 No			
6	(a)Engine exhaust Main silencer to renew	Comp			
	(b) Exhaust to relag after necessary insulation	1 Set			
7	Rudder angle indicator to attend and defects to rectify.	Set			
8	All electrical line A.C & D.C to check, rectify defects and renew necessary parts.				
	(a)Labour charge	Comp			
	(b)Cost of spares actual +10%	As reqd			
9	Navigation lights to repair/renew as necessary				
	(a)Labour charge	Comp			
	(b)Cost of spares actual +10%	As reqd			
10	Electro hydraulic steering to attend defect to rectify.	Comp			
11	Renewal of steel on W.H platform	1500 KG			
12	Damaged railing pipes stanchion to renew	As required			
13	Siren to renew	1No			
14	Pushing wooden fender to renew including fairing of filding plates.	As required			
15	Sea. Chest air pipe to replace with 50 mm NB pipe and accessories to renew	2 Set			
16	Blower to repair	Comp			
17	Supply of 12 V 25 P Exide battery	2 Nos			
	Grand Total				