

ANNEXURE-I**Tender No. : KID5846P08/04****Tender Date : 12.07.2007**

Item No./ Mat. Code	Material Description	Quantity	UOM
	<p>lubricated.</p> <p>f) The main hoist motion shall be provided with DC disc type solenoid brake for reliability of holding the load. CT and LT motion shall be provided with hydraulic thruster brake.</p> <p>g) The speed /motion of the main hoist, CT & LT should be variable.</p> <p>h) Limit switches shall be provided in all the three motions of the crane.</p> <p>i) The hook of the hoist block shall be swiveling type to rotate 360 degree on antifriction thrust bearing</p> <p>j) A protective cum control panel comprising of heavy duty air brake contactors, O/L Relay, single phasing preventor, MCCB, Isolating switch, Step down transformer shall be provided. Besides 8 way pendant push button unit with start-stop, hoist up-down, right-left and forward-reverse and an indicating lamp showing ON and OFF position of power supply shall be provided. The control voltage should be 30VAC.</p> <p>k) The cross travel power feeding shall be of PVC flexible copper cable.</p> <p>l) The crane structure shall be painted with two coats of red oxide primer and two coats of synthetic golden yellow enamel paint.</p> <p>m) The crane shall be designed for 25% overload as per IS: 807. The load and overload test of the cranes shall be carried out at bidder's works prior to dispatch. We will depute our engineer at bidders worksite during load test.</p> <p>n) Further load test is required at our site by Govt. authorized competent person and certificate of load testing has to be submitted along with the commissioning report.</p> <p>D) Safety Precaution</p> <p>a) While carrying out dismantling of existing 10 MT HOT crane and installation, commissioning & testing of 10 MT EOT crane inside Oil,s Electrical workshop, all the safety norms are to be strictly complied with and adhered to.</p> <p>b) Personal Protective Equipment namely Safety belt, Helmat, Hand gloves, Goggles etc. must be used while carrying out the above job.</p> <p>c) The supplier shall be responsible for safety & security of their men & materials during the entire job. O.I.L will be not responsible for safety & security of contract persons.</p> <p>d) All the jobs should be carried out under constant supervision of competent person authorised by supplier in writing.</p>		
<p>30 0C000103</p>	<p>SUPPLY, ERECTION & COMMISSIONING OF EOT CRANE AT RIG WORKSHOP IN DULIAJAN, ASSAM REPLACING THE EXISTING ONE</p> <p>-----</p> <p>A) Scope of Works.</p> <p>1) Dismantling of Existing H.O.T crane and Existing steel gantry girder with rail</p> <p>2) Design, Manufacture, Supply, Erection & Commissioning of:</p> <p>a) 10 MT capacity double beam girder pendant control EOT crane.</p> <p>b) Steel gantry girder with square rail suitable for above crane and to be design as per column pitch distance.</p> <p>c) PVC flexible cable with four wheeler cable trolleys, Traveling track with supporting brackets etc. as per bay length for electrical operation of the crane.</p> <p>d) Load testing at site by Govt. authorised competent person and certificate of load testing has to be submitted along with the commissioning report.</p>	1	NO

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	<p>Technical Specification:</p> <ol style="list-style-type: none"> 1. Location : Rig workshop 2. Capacity : 10 M.T 3. Construction : Double beam girder 4. Span : 6.065 mtrs 5. Existing rail height from floor level : 6.08 mtrs 6. Total length of the girder : 44.66 mtrs 7. Overhead clearance : 1.50 mtrs 8. Vertical lift available : 5.0 mtrs 9. Hoisting Speed : Variable (3 M/Min,Max) 10. CT speed : Variable (10 M/Min,Max) 11. LT speed : Variable (15 M/Min,Max) 12. Power supply : 415V,10%(+/-),3Phase,50Hz 13. Method of control : By pendant push button switch from floor 14. Column Pitch distance for supporting gantry girder : 4.06 mtrs 15. Class and duty : Crane shall be suitable for class II duty indoor operation conforming to IS 807, IS 3177 & IS 3938. <p>C) Special Features:</p> <ol style="list-style-type: none"> a) The main girders shall be double beam girder of standard rolled steel joist. b) The end carriages shall be of box construction. c) A full-length non-skid MS chequered platform of 750 mm width minimum shall be provided on driving side for maintenance purpose and for mounting LT drive mechanism. d) All motors shall be high torque crane duty Squirrel cage induction motors of 40% CDF rating, 150 starts/hour, TEFC enclosure, class F insulation as per IS 325. Motor shall control by D.O.L starter e) All totally enclosed gear boxes shall be spur/helical type oil splash lubricated. f) The main hoist motion shall be provided with DC disc type solenoid brake for reliability of holding the load. CT and LT motion shall be provided with hydraulic thruster brake. g) The speed /motion of the main hoist, CT & LT should be variable. h) Limit switches shall be provided in all the three motions of the crane. i) The hook of the hoist block shall be swiveling type to rotate 360 degree on antifriction thrust bearing j) A protective cum control panel comprising of heavy duty air brake contactors, O/L Relay, single phasing preventor, MCCB, Isolating switch, Step down transformer shall be provided. Besides 8 way pendant push button unit with start-stop, hoist up-down, right-left, forward-reverse and an indicating lamp showing ON and OFF position of power supply shall be provided. The control voltage should be 30VAC. k) The cross travel power feeding shall be of PVC flexible copper cable. l) The crane structure shall be painted with two coats of red oxide primer and two coats of synthetic golden yellow enamel paint. m) The crane shall be designed for 25% overload as per IS: 807. The load and overload test of the cranes shall be carried out at bidder's works prior to dispatch. We will depute our engineer at 		

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	<p>bidders worksite during load test.</p> <p>n) Further load test is required at our site by Govt. authorized competent person and certificate of load testing has to be submitted along with the commissioning report.</p> <p>D) Safety Precaution</p> <p>a) While carrying out dismantling of existing 10 MT HOT crane and installation, commissioning & testing of 10 MT EOT crane inside Oil,s Rig workshop, all the safety norms are to be strictly complied with and adhered to.</p> <p>b) Personal Protective Equipment namely Safety belt, Helmat, Hand gloves, Goggles etc.must be used while carrying out the above job</p> <p>c) The supplier shall be responsible for safety & security of their men & materials during the entire job. O.I.L will be not responsible for safety & security of contract persons.</p> <p>d) All the jobs should be carried out under constant supervision of competent person aythorised by supplier in writing.</p>		
	Installation and commissioning		
10	Installation, commissioning dismentling	1	AU
	Installation,Commissioning		
10	Installation,commissioning,dismantling	1	AU

- Special Notes :**
- The bidder must submit technical literature / catalogue of the offered product in duplicate along with the offer, failing which offer may be liable for rejection.
 - Bidder should quote separately for the following clearly indicating the applicable tax :-
 - Supply of new E.O.T cranes & their accessories.
 - Dismantling of existing HOT cranes & their accessories
 - Erection & commissioning of new EOT cranes & their accessories.
 - The given dimensions/measurements may not be accurate. Hence before submitting the offer the bidders may visit our site for obtaining all site measurements and based on which bidder can submit their offer.
 - All the tools & tackles required for dismantling of existing HOTcranes/installation & commissioning of new EOT cranes & their accessories are to be arranged by the supplier.
 - Both skill & unskilled manpower required for dismantling of existing HOT cranes & installation/commissioning of new EOT cranes,are to be arranged by the supplier.
 - Accommodation & transportation for supplier's personnels are to be arranged by the supplier.O.I.L will not arrange for the same.
 - Cranes are required to be load tested by the supplier through Govt. authorised competent person & certificate of load testing (Certified by authorised person)has to be submitted along with the commissioning report.
 - The cranes should be guaranteed for a minimum period of 18 months from the date of despatch or 12 months from the date of commissioning whichever is earlier and relevant guarantee certificates have to be provided along with the bill / despatch documents from the date of commissioning.
 - Test certificate and guarantee certificate of the crane to be provided along with the supply of crane and the same to be produced at the time of pre-despatch inspection.
 - Three sets of installation, commissioning and maintenance manual should be submitted after successful commissioning.
 - The bidder should be reputed manufacturer of similar type of crane having experience of installation/commissioning of same. Documentary evidence is required in this respect without

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