

(A) IMPORTANT CONDITIONS:

1. Tenderers are advised to visit the site of work and make them selves acquainted with the site conditions. No claim what so ever shall be entertained after submission of the tender.
2. All above works shall be executed at Transformer Repairing Workshop at Bijnor Distt. Bijnor .
3. All above works shall be executed at (Approximate) 6 M height.
4. All scaffolding, special T&P and hiring charge of crane and testing of the crane 5 M.T. etc. shall be arranged by the contractor and nothing extra shall be paid to the contractor on this account.
5. Tenderer should quote the rates as per. F.O.R. destination.
6. Tenderer shall got his E.O.T. crane inspected as per. I.S.S. provision before dispatching the same for installation at site.
7. Minimum one year guarantee has to be given by the contractor. The rate will include on site repair/replacement of defective parts in the guarantee period of one year. Security deducted from the bill shall be released after one year guarantee period which shall begin from the actual date of completion of work.
8. The steel used should be of "TATA, JINDAL, RATHI, SAIL/Equivalent make only.
9. Contractor should quote G.S.T or other Govt. Levies separately for supply Items, If any trade Tax form are required from the department. The same may be mentioned by the tenderer for taking benefit of rates.
10. Necessary deductions such as security and Income Tax, Labour Cess etc. shall be made from above payment as per terms and conditions of the contract.
11. If specification for any item of work are not covered by any documents mentioned in the contract the same shall be decided and conveyed by the Engineer-in-charge to the contractor.
12. Other items and conditions are same as attached in enclosed documents.

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(B) Technical Specification for 5 MT E.O.T. Crane:

1.	Single- Girder type E.O.T. Crane tested to 25% overload as per IS: 3177 & IS: 807 Complete with bi-rail type Electric Wire Rope Hoist confirming to IS: 3938, having technical parameters as under.		
a)	Capacity		5.0 metric Ton (5,000 Kgs.)
b)	Span of crane		06.60 M (Approximate)
c)	Bridge Construction		Single-Girder type construction consisting of R.S. Joist of adequate strength, complete with M.S. Square bar 40mm welded to top flange of the beam (Girders)
d)	Height of lift		6.0 meters (Approximate) standard lift.
e)	Duty		Class-II (indoor/Outdoor type) duty.
f)	Electric Motors		Crane Duty, TEFC squirrel cage induction motor as per IS: 325, S-4 rating suitable for 150 starts per hours with Class-F insulation and IP: 55 protection, operating on A.C. 3-Phase, 50Mz main power supply at 415 (Volts+/- 10%) of Bharat Bijlee make of other approved I.S.I. mark.
		i)	Hoisting Motors: 5.00 HP/4-Pole
		ii)	Cross Travel Motor: 0.75 HP/4-Pole
		iii)	Long travel Motor: 1.5 HP/4-Pole X 2 (Double Drive)
g)	Operating Speeds	i)	Hoisting Speed 2.5 Meters: per minute
		ii)	Cross Travel Speed 15.0 Meters: per minute
		iii)	Long Travel Speed 15.0 Meters: per minute
h)	Brakes		All motors of the crane shall be coupled to failsafe, A.C. electromagnetic Drum/Disc-type Brakes designed to be de clutched as soon as power supply is cut/switched off.
i)	Gears		All gears shall be of helical-type precision machine hobbled from tested quality alloy steel dully housed in a totally enclosed dust & vermin proof oil-bath lubricated gear boxes.
j)	Wire Rope		Tested quality, un galvanized steel wire rope of 6x36 or 6x37 construction with fiber/hemp core as per IS 2266 of Usha MARTIN make (size 13 mm/4-falls) shall be used.
k)	Controls		From ground level through a plastic bidied pendant controller suspended from the hoist having control Voltage of 110-Volts. For safety of the operator complete with (Mains) On/Off push-buttons.
l)	Other Safety features		Contactors & overload Relay shall be of L&T/BCH make, Electrical terminals of tecnoplast/Phenix/Elemas make snap action type limit switches of PC (L&T) make to prevent over hoisting/lowering of the hook block beyond operating limit two way shunt lever type limit switch shall be provided for long travel movement. Finally, a C-series MCB of MG/Hager make shall be provided for mains incoming supply beside individual fuse protection for all motors.
m)	Weight of crane		Approx, 2,700Kgs
n)	Wheel load		Approx, 3,500 Kgs.
o)	Trailing Cables		Trailing cable, consisting of PVC insulated copper cables complete with cable Carrier trolleys running on the section of ISLT : 50 designation.

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