

BHARAT HEAVY ELECTRICAL LIMITED, JHANSI			
	Specification No	11001	
	Item No	MH-3/2/6310	
	Location	NEW.B.SHOP	
	Quantity	ONE NUMBER	
SPECIFICATION CUM COMPLIANCE CERTIFICATE OF 05 TON HEAVY DUTY MANUAL RAIL TRACK TROLLEY			
Note :			
1	VENDOR must submit complete information against clause No-8.0 (Qualifying Condition). The offer meeting this clause would only be processed		
2	The "Specified/to be confirmed by vendor/Offered" Column and where applicable, the "Deviations" Column of the formate shall be filled in by the Vendor and submitted along with the offer. Technical details also submitted with the offer. Inadequate/ Incomplete. Ambiguous, of unsustainable information against any of the clauses of the specification / requirement shall be treated as non-compliance.		
3	The offer and all documents enclosed with offer should be in English language only.		
SCOPE:			
DESIGN, MANUFACTURING, SUPPLY, ERECTION & COMMISSIONING OF 05 TON HAND TROLLEY AS PER SPECIFICATION BELOW			
S.NO.	DESCRIPTION FOR BHEL REQUIREMENT	SPECIFIED / TO BE CONFIRMED BY VENDOR	DEVIATIONS
1.0	PURPOSE & WORK PIECE MATERIAL:		
1.1	Hand operated rail trolley is required for transporting of material between old bogie shop and new bogie shop. The pay load on trolley will be 05Ton. Trolley should move on prepared rail track.	VENDOR TO CONFIRM	
2.0	SPECIFICATION		
2.1	Capacity of trolley (Pay load) : 05 Ton	VENDOR TO CONFIRM	
2.2	Trolley platform size : L-3000 MM X W-2000 MM	VENDOR TO CONFIRM	
2.3	Track gauge (Rail) : 1676 mm	VENDOR TO CONFIRM	
2.4	Track length : App. 30 Meter	VENDOR TO CONFIRM	
2.8	Height from rail top : Max. 525 mm	VENDOR TO CONFIRM	
2.9	Wheel base :	VENDOR TO SPECIFY	
2.10	Diameter of the wheel on tread :	VENDOR TO SPECIFY	
2.11	Approximate tare weight of trolley in Ton :	VENDOR TO SPECIFY	
2.12	Number wheels : 4 Nos	VENDOR TO CONFIRM	
2.15	Rail size- 105 LBS ((Provided) (However it may change depending upon actual site condition).	VENDOR TO CONFIRM	
3.0	CONSTRUCTION		
	Heavy duty hand operated rail trolley consist of trolley frame, wheels, toeing and pulling arrangement.	VENDOR TO CONFIRM	
3.1	TROLLEY FRAME		
3.1.1	The trolley frame shall be made out of steel section and beams. The beams and sections shall be welded adequately. Details of section and beam to be given with the offer.	VENDOR TO SPECIFY	
3.1.2	The Trolley frame top to be covered with steel plate of adequate thickness (not less than 8 mm). Chequered plates strips shall be welded on top of the platform to avoid slippage over platform.	VENDOR TO CONFIRM	
3.1.3	The main members of the platform shall be suitably reinforced to withstand shock loads encountered in service.	VENDOR TO CONFIRM	
3.1.5	One No hook type coupling shall be provided on both side of trolley	VENDOR TO CONFIRM	
3.1.7	Lifting lugs of adequate strength shall be provided for lifting the trolley (without load) by EOT crane.	VENDOR TO CONFIRM	
3.2	WHEEL ARRANGEMENT		

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3.2.1	The wheels shall be made out of EN9 forged steel suitable for IRS 52	VENDOR TO CONFIRM	
3.2.2	4 Numbers heavy duty wheels to be provided,	VENDOR TO CONFIRM	
3.2.3	The wheels shall be heavy duty flange type fitted on shaft along with heavy duty bearing frame.	VENDOR TO CONFIRM	
3.2.4	The wheel shall run on antifriction spherical roller bearings housed in cast steel.	VENDOR TO CONFIRM	
3.2.5	The bearing used shall be of SKF/FAG make only.	VENDOR TO CONFIRM	
3.2.6	Provision shall be made topping up of grease in service.	VENDOR TO CONFIRM	
3.3	TOEING ARRANGEMENT		
3.3.1	Suitable toeing arrangement shall be provided on both end of trolley for the pulling of trolley.	VENDOR TO CONFIRM	
3.3	PAINTING		
3.13.1	Two coats of red oxide metal primer followed by two coats of synthetic enamel paint shall be done.	VENDOR TO CONFIRM	
4.0	DOCUMENTATION:		
4.1	Three stes of detailed dapproved drawing will be submitted along with the trolley.	VENDOR TO CONFIRM	
4.2	Operation and maintenance manuals	VENDOR TO CONFIRM	
4.4	Catalogues, O & M manual of all bought out items including drawings.	VENDOR TO CONFIRM	
5.0	GUARANTEE:		
5.1	24 Months form the date of acceptance of the trolley.	VENDOR TO CONFIRM	
6	ERECTION & COMMISSIONING:		
6.1	The trolley is to be Erected & Commissioned at site by the supplier with their own labour, tools and tackles. All tools and tackles shall be brought by the supplier on returnable basis.	VENDOR TO CONFIRM	
7	INSPECTION :		
7.1	Final inspection will be done at suppliers works before dispatch. Load Test : During Final inspection before dispatch, the supplier arrange for its physical inspection & checking of the camber as per IS 3177(2005 or latest) , the same shall be witnessed by BHEL officials. Load test at 125% & deflection at 100% load shall be measured along with running of sub assemblies shall also be witnessed. During this relevant Test.	VENDOR TO CONFIRM	
8.0	QUALIFYING CONDITION		
8.1	Only those venders, who have supplied at least two trolley of 05 Ton or higher capicity in the past five years and such trolleys are presently working satisfactorily for more then one year after commissioning, should quote . The following information is to be submitted by the Vendor sbout the compnies where trolleys have been supplied. THis is required form all the venders for qualification of their offer.	VENDOR TO CONFIRM	
	1 . Name of the customer / company where similar trolley is installed. (copy of purchase order to be furnished)	VENDOR TO SPECIFY	
	2 . Complete postal address of the customer.	VENDOR TO SPECIFY	
	3. Year of suppling / commissioning.	VENDOR TO SPECIFY	

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	4. Name and designation of the contact person the costomer.	VENDOR TO SPECIFY	
	5 . Phone. FAX, no andE-mail address of the contact person of the customer.	VENDOR TO SPECIFY	
	6. Performance certificate from the customer regarding satisfactory performance of trolley supplied to them	VENDOR TO SUBMIT	
9.0	BHEL reserves the right to verify information submitted by vendor. In case the information is found to be false/ incorrect, the offer shall be rejected.	VENDOR TO CONFIRM	
			
	A.K. Shivpuri	MD. ARSHAD	ARJUN SINGH
	SR. MGR (WE&S)	MGR (LMP)	MANAGER (WE&S)
			
			Y.K. Dhingra
			SR. ENG. (WE&S)
			
	K.D. Manjhi	S.J. Chakraborty	
	SR.DGM(LMP)	SR.DGM(WE&S)	