

Heavy Power Equipment Plant, Bharat Heavy Electricals Limited, Ramachandrapuram -502032, Hyderabad, INDIA.		Enquiry No. & Dt.:			
		Due Date :			
		Supplier's Ref.:			
		Date :			
Specification cum Compliance Certificate for 50TONS FLAT WAGON					
Spec Reference No: HY/FPPT/F-117/CAPITAL GOODS/50TONS WAGON			SPEC REV NO: 01		SPEC DT: 09/04/2019
Note:- 1. The Column "VENDOR'S OFFER WITH TECHNICAL DETAILS & REMARKS" of this format shall be filled in by the Vendor and submitted along with the offer. Inadequate / incomplete, ambiguous or unsustainable information against any of the clauses of the specifications / requirements shall be treated as non-compliance. 2. The offer and all documents enclosed with offer should be in English language only.					
Name & Address of the supplier:			Name & Address of the Indian Agent:		
Telephone No.			Telephone No.		
Fax No.			Fax No.		
e-mail :			e-mail :		
Scope: Supply, Erection & Commissioning of 50TONS FLAT WAGON complying with the following specification					
SNO	BHEL TECHNICAL SPECIFICATION	SPECIFIED / TO BE CONFIRMED BY	OFFERED	DEVIATIONS	REMARKS
1.0	PURPOSE				
1.1	This Flat Wagon will be used for movement of the jobs out of the shop floor for sand blasting purpose. It will be hooked with loco and will move on rail gauge of 1676 meter . Sand blasting of the job will be done on the wagon itself. Job will not be lifted out of wagon for sand blasting. All needed safety requirements should be taken care considering the purpose of use. Vendor is required to measure all necessary dimensions like Trolley Gauge, Rail size etc. at site before starting of the trolley design/ manufacturing.	Vendor to note			
1.2	The Wagon is for outdoor use and will be moving on the curved track. It shall be suitable to move on existing tracks of BHEL (straight/curved/points)	Vendor to confirm			
2.0	TECHNICAL PARTICULARS				
	The wagon shall be fabricated out of rolled steel structures and plates. Main load carrying beams shall be boxed for strength. They shall be fitted with standard side buffers and hook type coupler for coupling with locomotive	Vendor to confirm			

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2.1	Pay load	50 Tons			
2.2	Rail gauge	1676mm			
2.3	Length of trolley platform	6000mm			
2.4	Width of trolley	3000mm			
2.5	Height of platform	1300 mm			
2.6	Height of platform (loaded)	Vendor to specify			
2.7	Wheel diameter	800mm/915mm			
2.8	Buffer Assembly	As per IRS Standard			
2.9	Coupler	Hook type coupler			
2.10	Suspension	Coil Spring			
2.11	Type of Axle box Bearing -	Spherical Roller bearings			
2.12	Speed of travel	Vendor to specify			
2.13	Top Platform of Trolley should have 20mm thick Plate	Vendor to confirm			
3.0	WHEELS & AXLE ASSEMBLY				
3.1	Wheel and axle assembly to withstand the applicable loads shall be provided. Axle boxes to be mounted on suitable Helical springs. Wheel material should be C55 Mn <u>75</u> Carbon steel, Hardened to BHN- 300 to 325. or as per IRS R-19 .	Vendor to accept & confirm			
4.0	PAINTING				
	Trolley should be painted with 2 coat of red oxide before dispatch and 2 coats of post office red enamel paint after commissioning at site by supplier	Vendor to confirm			
5.0	TESTING & COMMISSIONING				
	Testing of trolley shall be done at vendor's works with 20% over load condition. Final commissioning of trolley will be done at customer premises i.e. BHEL Works.	Vendor to confirm			

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6.0	MANUAL				
6.1	Two sets of CD's & 4 sets of operating & maintenance manual shall be given with each no. of trolley	Vendor to confirm			
6.2	Mechanical assembly drawings with fast moving spare part drawing i.e gears, drive shafts & wheels etc.shall be provided	Vendor to confirm			
7.0	DRAWINGS				
	Supplier shall submit 3 view G.A. drawing & all the major drawings along with offer for approval.	Vendor to confirm			
8.0	GUARANTEE				
	The trolley supplied should be guaranteed for a period of minimum 24 months from the date of commissioning.	Vendor to confirm			
9.0	INSPECTION				
	The trolley will be inspected by BHEL at supplier works before dispatch.	Vendor to note & accept			
10	PREQUALIFICATION REQUIREMENTS				
10.1	The Tenderer should be an original manufacturer of Wagons, Traders and Authorised agents will not be entertained.	Vendor to confirm			
10.2	The original manufacturer should be in the field of manufacturing wagons atleast for a minimum period of 3years on the date of opening of tender	Vendor to confirm			
10.3	The firm should have manufactured and supplied atleast 5-Wagons of 50T capacity & more on the date of tender opening.Enclose addresses of the customers as documentary proof.	Vendor to confirm and furnish document			
10.4	Supplier shall be in a position to support / supply spares for a minimum of 10-years.	Vendor to confirm			

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C. David Raju
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