

BHARAT HEAVY ELECTRICALS LIMITED, JHANSI

DESIGN, SUPPLY & COMMISSIONING OF 50 TON LIFTING TACKLES IN NEW LOCO SHOP

NOTE :


- 1 VENDOR must submit complete information against clause No.10.0 The offer meeting this clause would only be processed.
- 2 The " offered" Column and where applicable, the " Deviations" Column of this format shall be filled in by the Vender and submitted along with the offer. Technical details also submitted with the offer. Inadequate / incomplete, ambiguous, or unsustainable information against any of the clauses of the specification / requirements shall be treated as non - compliance.
- 3 The offer and all documents enclosed with offer should be in English language only.


SCOPE :


SPECIFICATION CUM COMPLIANCE CERTIFICATE OF 50 TON LIFTING TACKLES 01 SET(02 NO.)


S.NO.	DESCRIPTION FOR BHEL REQUIREMENT	SPECIFIED / TO BE CONFIRMED BY VENDER	OFFERED	DEVIATIONS
1.0 SCOPE				
1.1	This specification governs the quality requirements of DESIGN , SUPPLY & COMMISSIONING OF 50 TON LIFTING TACKLES TO LIFT THE WAG 7 LOCO (100 TON) TACKLES WITH ALL REQUIRED ACCESSARIES	VENDER TO CONFIRM		
2.0 REQUIREMENT				
2.1	DESIGN ,SUPPLY & COMMISSIONING OF 50 TON LIFTING TACKLES-- for lifting and lowering of locomotive for direct lifting with ramshorn hook .Total lifting load 100 ton (01 WAG 7 loco motive w/o axle load) QUANTITY REQ. - 02 NO. (01 SET)	VENDER TO CONFIRM		
3.0 SPECIFICATION				
3.1 LIFTING TACKLES-				
3.1.1	Lifting tackles is required to lift and lower the wag 7 loco as per drawing enclosed of WAG-7 (01 set containing 02 no tackles)	VENDER TO CONFIRM		
3.1.2	Depth of pit from where loco to be lifted(floor level to rail top) - 1.3 mtr. (min)	VENDER TO CONFIRM		
3.1.3	Width of pit from where loco to be lifted - 4.1 mtr.	VENDER TO CONFIRM		
3.1.4	Dia of WAG- 7 wheel - 1.1 mtr.(approx.)	VENDER TO CONFIRM		
3.1.5	Max.lift from floor level (excluding pit depth) - 5 mtr.	VENDER TO CONFIRM		
3.1.6	Max. available lift height of Existing crane - 10 mtr.	VENDER TO SUBMIT		
3.1.7	Finish - Paint	VENDER TO CONFIRM		
3.1.8	Type of metal used for tackles (should be as per respective IS)	VENDER TO SPECIFY		
4.0 COMMISSIONING				
4.1	Supplied lifting tackle will be commissioned in loco shop	VENDER TO CONFIRM		
4.2	Items(accessories & hardware) required for the lifting, tightning etc will be included in the offer and supplied with the item.	VENDER TO CONFIRM		
4.3	The supplier shall bring their own tools for the commissioning of lifting tackle (on returnable basis).	VENDER TO CONFIRM		
4.4	Full load test to demonstrate the capacity of the lifting tackles.	VENDER TO CONFIRM		
4.5	Prove out to lift the WAG-7 loco (Wt. 100 T) successfully with out any deviation.	VENDER TO CONFIRM		
5.0 GUARANTEE				
5.1	Guarantee for complete work shall be for 24 months from the date of commissioning	VENDER TO CONFIRM		
6.0 PACKING:				
6.1	All components shall be suitably packed so that the material reaches BHEL without any damage/loss in transit.	VENDER TO CONFIRM		
7.0 MISCELLANEOUS :				
7.1	All material used should be of the best of their respective kinds and should of the appropriate I.S. Specification/ I S I mark & all workmanship should be of best quality.	VENDER TO CONFIRM		
7.2	Fixing of lifting tackles to be done by the supplier at site with their own labour, tools and tackles, winch etc.	VENDER TO CONFIRM		


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7.3	Not with standing any thing the details in this specification, if any thing else is required for its functioning the same shall be specially brought and included in offer	VENDER TO CONFIRM		
7.4	supplied Item should be in ready to use condition with all accessories	VENDER TO CONFIRM		
8.0' PAINTING				
8.1	The structural steel work should be given one coat of suitable primer with 25 micron of DFT (Dry film Thickness) and 48 hours of compalsory curing after painting. Final paint should be done with two coats of light orange synthetic enamel paint each with a DFT of 25 microns and intermittent curing of minimum 16 hours..	VENDER TO CONFIRM		
9.0 DOCUMENTATION / DRAWING				
9.1	Drawings of assembly and sub assembly parts for lifting tackles with specifying the material used must be submitted with the offer.	VENDER TO SUBMIT		
9.2	03 set of final approved drawing with dimension is required with supply.	VENDER TO CONFIRM		
10.0' QUALIFYING CONDITION				
10.1	Only those vendors who are OEM / MANUFACTURER should quote.	VENDER TO CONFIRM		
10.2	Only those vendor who have supplied/installed at least 01 Nos. lifting tackle or tendem beam or crane of same or more capacity in the past five year (despatch document or commissioning report)and such lifting tackle presently working satisfactorily for more then one year after commssioning(from the date of opening of tender) should quote. The information is to be submitted by the Vendor .This is required from all the vendors for qualification of their offer.	VENDER TO SUBMIT		
11.0	BHEL reserves the right to verify information submitted by vender. In case the information is found to be false/ incorrect, the offer shall be rejected.	Vender to confirm		


A.S. Gurung
DY. Eng(LMM)

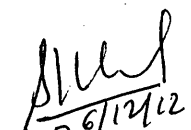

Y.K. Dhingra
Sr. Engr(WEX)


Mohd. Arshad
Mgr.(LMM)

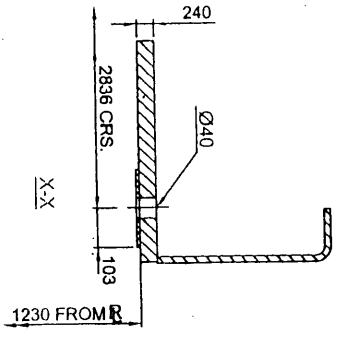
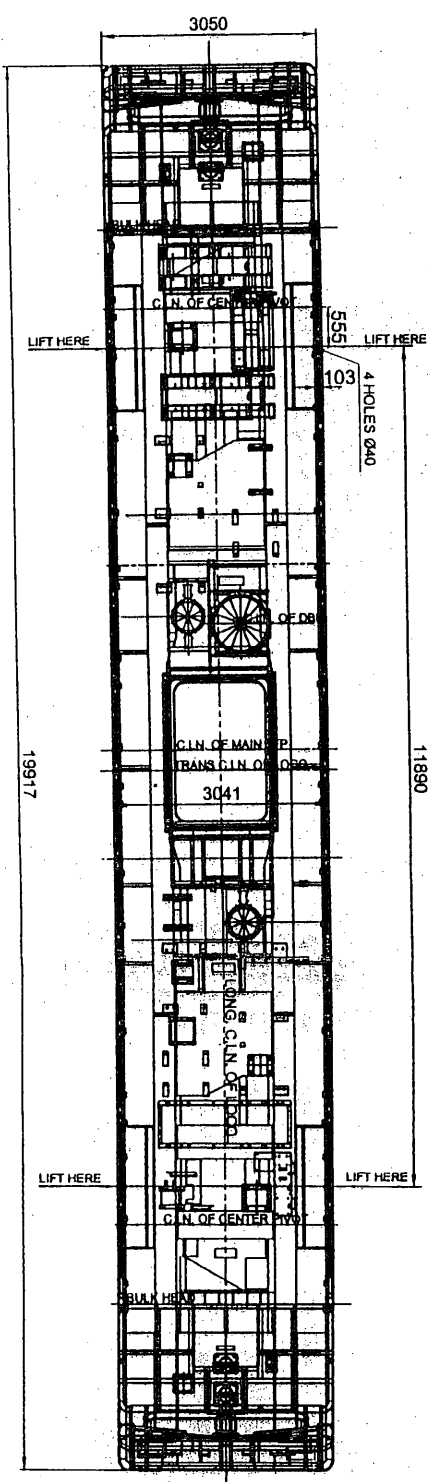
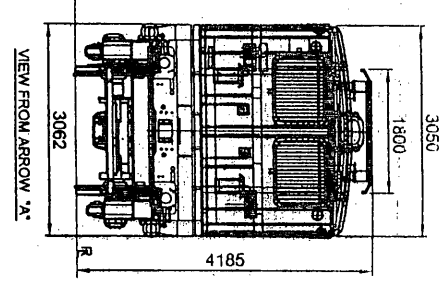
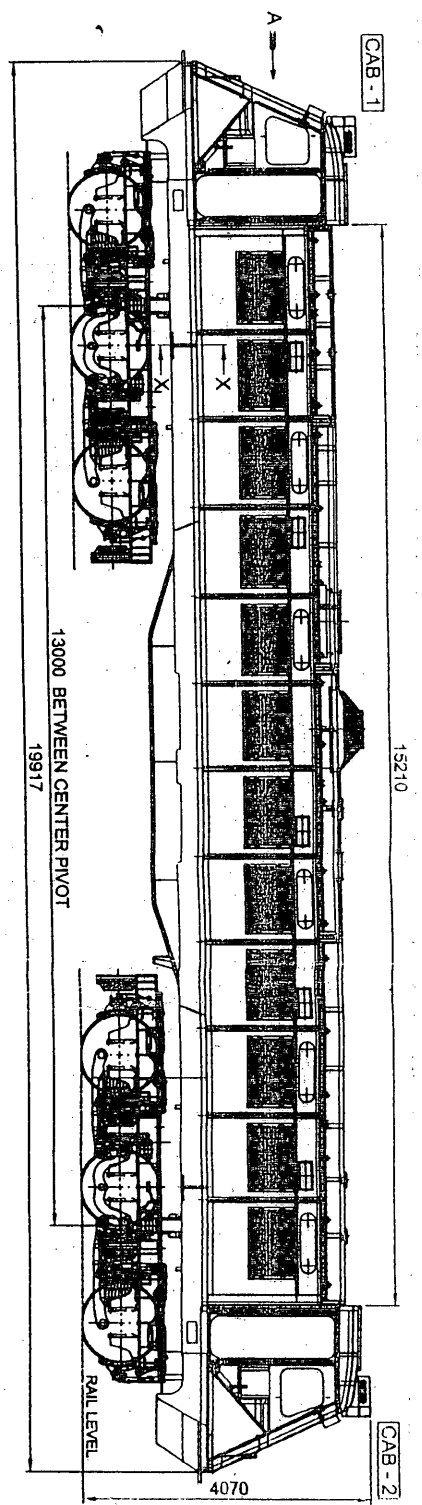

Arjun Singh
Sr.Mgr(WEX)


A.K. Shivpuri
DGM(WEX)


K.D. Manjhi
AGM(LMM)


S.J. Chakraborty
AGM(WEX)

SK. Y.K. Dings (S. Eng)



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| 1. TYPE OF SERVICE | FREIGHT | 10. MAX. OPERTING SPEED | 100 K.M./HR. |
| 2. SUPPLY CURRENT | 25 KV 50 CYCLES | 11. TOTAL WEIGHT OF LOCO IN WORKING ORDER | 123.0 TONNES |
| 3. CLASS OF LOCO. | WAG-7(FITTED WITH FABRICATED ADHESION BOGIE) | 12. MAX. AXLE LOAD | 20.5 TONNES |
| 4. TYPE OF LOCO. | CO-CO | 13. BRAKE SYSTEM | DUAL BRAKE WITH IRAYS-2/ SYSTEM WITH TWIN PIPE |
| 5. TRACK GAUGE | 1676 mm BROAD GAUGE | 14. TRACTION MOTOR | HITACHI TRACTION MOTOR HS - 15250A |
| 6. LENGTH OVER BUFFER | 20,394 mm | 15. TOTAL WITH OF LOCO OVER CAB HAND RAILS | 3179 m.m. |
| 7. WHEEL BASE | 3800 mm | 16. PANTO GRAPH HEIGHT IN LOGED DOWN CONDITION | 4185 m.m. |
| 8. TOTAL H.P LOCO (CONTD. RATED) | 5000 H.P. | | |
| 9. MAX. TRACTIVE EFFORT AT START | 42.0 TONNES | | |

J. S. ...
 28/11/12
 CA-5. GURUNG
 D. H. ...
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