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SHEET-1

TENDER SPECIFICATION

NO. CLW/MS/10/014

ALT.	①	②								
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ENCLOSURES





1. ANNEXURE:
2. DRG. NOS. AS INDICATED UNDER SCOPE OF SUPPLY.

TOTAL NO. OF SHEETS: 2 (Two) + ALT. SHEET (Sheet-3)

ALT. NO.	①	②							
SHEETS	2,3	2							

SPECIFICATION FOR  
POLYPROPELENE COMPONENTS FOR WAP/5, 3 PHASE, A.C.(BO-BO) LOCOMOTIVE

ISSUED BY  
 DY. CHIEF MECHANICAL ENGINEER/D&D  
 CENTRE FOR D&D  
 CLW/CHITTARANJAN

PREPD. BY 	CHKD. BY 	REVD. BY 	APPROVED BY  31.8.98	SPECIFICATION FOR POLYPROPELENE COMPO NENTS FOR WAP/5 3 PHASE A.C.(BO-BO) LOCO MOTIVE	CENTRE FOR DESIGN & DEV. CHITTARANJAN LOCOMOTIVE WORKS CHITTARANJAN 713331
CDM	SIIDRT	AME/D&D	NYCME/D&D		
				No. CLW/MS/10/014 DATE: 31.8.98	ALT. No. ① ②

SPECIFICATION FOR POLYPROPELENE COMPONENTS  
FOR WAP-5, 3-PHASE, A.C. (BO-RO) LOCOMOTIVE

1. SCOPE :

This specification covers the manufacture and supply of Polypropelene components to be fitted in WAP-5 locomotive mainly as supports for pipes of the pneumatic Brake Systems.

2. SCOPE OF SUPPLY :


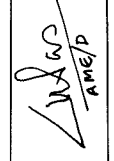
The following set of Polypropelene components shall consist of -




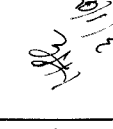
- i) (fifteen) nos. of clamp Assly. (single) as per Drg. Nos. 1209-18.306-152 and 1209-18.406-151
- ii) 4 (Four) nos. of clamp Assly. (single) as per Drg. Nos. 1209-18.306-150 and 1209-18.406-153
- iii) 4 (Four) nos. of clamp Assly. (Double) as per Drg. Nos. 1209-18.306-061(Ref-1), 1209-18.406-064(Ref-2) & 1209-18.406-062(Ref-1).
- iv) 4 (Four) nos. of clamp Assly. (Double) as per Drg. Nos. 1209-18.306-061(Ref-2), 1209-18.406-064(Ref-2) & 1209-18.406-062(Ref-2).
- ① v) 8 (Eight) nos. of Hose as per Drg.No. 1209-16.417-096  
120 (one hundred Twenty)
- ① vi) ~~100 (One hundred)~~ nos. of cable tie as per Drg.No. 1209-18.406-119.
- vii) 46 (forty six) Metres of Cushion Unistrut as per Drg.No. 1209-18.406-117.
- ① viii) ~~4 (four) nos. of clamp light duty as per Drg. no. 1209-18.306-142 ALT-1~~

3. For technical details and other information refer to CLW Specn.No. CLW/MS/3/065(ALT-6) ① ② ③ ④ (from sheet 1 to sheet 4).

PRP. BY <i>[Signature]</i> CDM	REVD. BY <i>[Signature]</i> AME/D&D 31.8.98	SPECIFICATION FOR POLYPROPELENE COMPONENTS FOR	CHITTARANJAN LOCOMOTIVE WORKS CHITTARANJAN, (W.B.), INDIA
CHK. BY <i>[Signature]</i>	APPD. BY <i>[Signature]</i> DY. CME/ D&D	WAP-5, 3-PHASE, AC (BOBO) LOCOMOTIVE	ALT - ② NO: CLW/MS/10/014 DATE : 31.8.98
SUPD.T.			

DETAILS OF ALTERATION

ALT. NO.	DATE	DESCRIPTION	SIGNATURE	REMARKS
①	03.01.'04	QUANTITY OF CABLE TIE (SL. NO. VI) UNDER CLAUSE 2 WAS 100. ALT. SHEET (SHEET : 3) ADDED. CLAMP LIGHT DUTY (ITEM SL. NO. VIII) DELETED. CLW/MS/3/065 ALT ② WAS ALT ③ UNDER CLAUSE 3. DRG. NO. OF ITEM AT SL. NO. (V) IN CLAUSE 2 WAS 1209-18.477-006.	 A.M.E./D 3/1/04 DY. CEE/D	DUE TO INTRODUCTION OF COPPERTUBE IN HORN, WIPER LINE AND DELETION OF W.F.L. SYSTEM IN LOCOMOTIVE.
②	13.12.04	UNDER CLAUSE 3, CLW/MS/3/065 ALT. ③ WAS ALT. ⑦.	 A.M.E./D	

PREP. BY	CHKD BY	REVIEWED BY	APPROVED BY	SPECIFICATION FOR	ELECTRIC LOCOMOTIVE DESIGN OFFICE (M)
				POLYPROPYLENE COMPONENTS FOR WAP/5.3 PHASE A.C. (BO-80) LOCOMOTIVE	CHITTARANJAN LOCOMOTIVE WORKS CHITTARANJAN-713331 DATE - 03.01.04 NO. CLW/MS/10/014
JE-I/DRG.	SE/DRG.	A.M.E./D-II	DY.CEE/		ALT NO. ① ②