

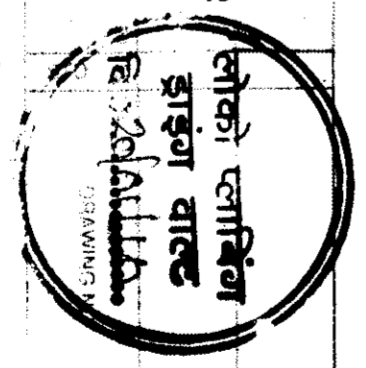
- NOTES:**
- 1 ALL SHARP EDGES AND CORNERS TO BE ROUNDED OFF.
  - 2 THIS DRG ISSUED FOR TENDER ENQUIRY INDICATES OVER ALL DIMENSIONS AND DESIGN FEATURES OF AFTER COOLER WHICH ARE PREFERRED FOR INSTALLATION ON ELECTRIC LOCCS DIMENSIONS MARKED WITH ASTERISKS ARE BINDING OTHER DETAILS OF DESIGNS ARE LEFT TO THE TENDERERS TO DECIDE WHO WILL FURNISH THEIR DETAILED DRAWING FOR APPROVAL AND TWO PROTOTYPE SAMPLES FOR TEST AND SERVICE TRIALS.
  - 3 PLASTIC CAPS TO BE PROVIDED AT THE PIPE CONNECTIONS AFTER INSPECTION & TESTING THE CAPS SHOULD BEAR THE SIZE OF BSP/NPT THREADS MARKED ON THEM.

- TECHNICAL DATA RELEVANT TO DESIGN OF THIS AFTER COOLER**
- 1 THE CAPACITY OF MAIN AIR COMPRESSOR DELIVERY INSTALLED IN DIESEL ELECTRIC LOCCS IS 1000 LITRES/MIN.
  - 2 THIS AFTER COOLER IS LOCATED APPROXIMATELY TWO METERS AWAY FROM MAIN COMPRESSOR DELIVERY END AND CONNECTED BY 1/4 BORE STEEL PIPE.
  - 3 THE CAPACITY OF THE AFTER COOLER SHALL BE ADEQUATE TO MATCH WITH THE MAIN COMPRESSOR AIR DELIVERY CONDITIONS ON DIESEL ELECTRIC LOCCS.
  - 4 TEMPERATURE OF AIR AT THE DELIVERY END OF MAIN COMPRESSOR WILL BE 125°C MAX. AND PRESSURE 8 kg/cm<sup>2</sup>. THIS AFTER COOLER IS REQUIRED TO COOL DOWN THE HOT AIR (TEMP 125°C) TO TEMPERATURE OF 82°C.
  - 5 SUPPLIER SHALL GAURANTTEE SATISFACTORY PERFORMANCE OF AFTER COOLER FOR A PERIOD OF 24 MONTH FROM THE DATE OF COMMISSIONING OF DIESEL ELECTRIC LOCC ON WHICH IT IS INSTALLED.
  - 6 ANTI-CORROSSIVE TREATMENT SHOULD BE DONE ON THE INSIDE SURFACES OF HEADERS TO PREVENT CORROSSION IN SERVICE. WORKING PRESSURE = 8 kg/cm<sup>2</sup> FOR AIR.
- TEST PRESSURE = 12 kg/cm<sup>2</sup> (AIR)  
TEST PRESSURE = 16 kg/cm<sup>2</sup> (HYD)

**STYLE LIST**

STYLE NO	ITEM VAR	DESCRIPTION	VERIFIED	SIGN	DATE
709015	001	AFTER COOLER FOR MAIN COMPRESSOR			14-10-97
7091736					

ITEM NO	DESCRIPTION	UNIT	QTY	UNIT WT	NET WT
01	AFTER COOLER FOR MAIN COMPRESSOR CAP 16 CO/L/MIN		1		



ADDITIONAL INFORMATION		TYPE OF PROJECT: DESL / 25KV ELECTRIC LOCOMOTIVE	
STATUS OF DRAWING		NAME OF CUSTOMER/PROJECT: BHARAT HEAVY ELECTRICALS LIMITED, JHANSI	
DISTRIBUTION OF PRINTS		DISTRIBUTION OF PRINTS	
LME (DV)	1	LMP (DV)	2
LME (DV)	3	BAY1&2 (DV)	1
BAY3 (DV)	1		

REV	DATE	BY	CHKD	APPD	REASON
03	12/12/06	CHAKRAVARTY	CHAKRAVARTY	CHAKRAVARTY	APPD
02	12/12/06	CHAKRAVARTY	CHAKRAVARTY	CHAKRAVARTY	DELETED & DRG UPDATED