

RAIL COACH FACTORY KAPURTHALA

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SCOPE OF WORK FOR FITMENT & TESTING OF AIR BRAKE SYSTEM

APPLICABLE DRAWING TO COACH TYPE AS PER TABLE GIVEN BELOW:-

SNO	TYPE OF COACH	MAIN DRAWING NO	PART DRAWINGS
A	LWSCN	LS36003 alt 'nil'	LW36182 ALT 'a' LS36130 ALT 'NIL' LS36131 ALT 'NIL' LS36132 ALT 'NIL' LS36133 ALT 'NIL'
B	LWACCN LWACCW LWFAC LWCBAC LWFCWAC	LW36002 ALT 'e'	LW36182 ALT 'a' LW36135 ALT 'e' LW36136 ALT 'c' LW36137 ALT 'f' LW36218 ALT 'c'
C	LWSCZ	LJ36002 ALT 'Nil'	LW36182 ALT 'a' LJ36135 ALT 'nil' Lj36136 ALT 'nil' LW36137 ALT 'f' LJ36134 ALT 'nil'
D	LS LWS LSDD	LG36126 ALT 'd'	LG36108 alt 'a' LG36005 alt. 'e' LG36103 alt 'e' LG36003 alt 'e' LG36007 alt 'e'

Fitment of air brake system (fitment of its equipments , pipe & pipe fittings) includes its final air brake testing and quality clearance from quality department. The work will be executed as per main drg no and part drawings given in table against each type of coach.

Air brake fitment work related to Bogie in Bogie shop & Electrical stage work linked with WSP & EP assisted Air brake system is not covered in this scope of work.

Material will be supplied to contractor on stage. The sequence of work for fitment of air brake equipments and pipe fittings for coaches in above table will be as under ;

- 1 Fitment of train pipe brackets at under gear of coach as per main drg no and part drawings given in table against each type of coach.
- 2 Loading and securing of Axle mounted disc brake panel , dump-valve , Passenger emergency Alarm Valve, brake accelerator and indicator as main drg no and part drawings given in table against each type of coach.
- 3 Laying of Stainless steel pipe line at under-gear to connect all equipments (Isolating cock, flexible hose, Passenger Emergency Alarm Valve (PEAV) as per main drg no and part drawings given in table against each type of coach.
- 4 Clamping / securing of pipe lines and its fitting including Air brake equipment at under-gear as per main drg no and part drawings given in table against each type of coach.
- 5 Fitment and clamping of twin pipes at both ends of coach end area with fitment of FP & BP hose pipe with cut-off angle cock under as per main drg no and part drawings given in table against each type of coach.
- 6 Fitment & clamping of releasing device as per main drg no and part drawings given in table against each type of coach.

- 7 Minor design changes (as per latest applicable drawings) including cutting & welding of pipes and under-frame , air brake pipelines , securing brackets at the time of fitment , clamping of pipes, final assembly and testing will be done at the contractor end. Latest drawings will be followed.
- 8 Supply of pipes , pipe fittings, clamps, brackets , hardwares as per above mentioned drawings, grease, sealing tapes air brake testing equipments will be by provided by RCF, Kapurthala. Crimping machine/ crimping hand tools/die for making ferrule joints will be arranged by contractor himself.
- 9 Contractor will use his own working hand tools , welding consumables for welding purpose and small power tools. .
- 10 Contractor will leakage test the entire air brake system .
11. Shop Stage In-charge (SSE or his deputed representative) will test quality of workmanship, operation of air brake system and leakage test before offering coach to quality deptt. for quality test.
12. Final Leakage testing and quality clearance for good workmanship, perfect working & leak-proof work as per QMF-9757 version (01) for above mentioned type of coaches will be done by Quality deptt./furn.
13. Contractor will take care of his workmen and will provide necessary & mandatory PPEs as per rules /regulation prevalent in RCF. Contractor will be solely responsible for any damage done to air brake equipment issued for fitment.
14. Compressed air supply will be provided by RCF, Kapurthala. Electrical power supply for operating hand tools & welding set for welding purpose will be supplied by RCF, Kapurthala. Material handling equipment like lifter etc will be provided by RCF, however, valid industrial driver shall be arranged by contractor himself.
15. The Firm should deploy skilled qualified, well experienced man power for executing the work.
16. Firm will also abide by all the legal provisions of labour law prevalent and updated time to time.
17. Dy.CME/Furnishing will issue installation and commissioning certificates after getting completion certificates from Dy.CME/Bogie.

FREE SUPPLY ITEMS TO CONTRACTOR

1. Grease, PL No.80031250
2. Teflon Tape, PL No.37983313



AWM/Fur

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