

SPECIFICATION FOR OIL PUMP BRACKET FIXING WAG-9 (Co-Co), ELECTRIC LOCOMOTIVES

SPECIFICATION No. CLW/ES/3/0148 ALT.A

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ISSUED BY:

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CHITTARANJAN LOCOMOTIVE WORKS

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ALTERATION RECORD SHEET

ALT. No.	DATE	REASON	AUTHORITY
A		(i) Qty/Loco column deleted from para 4 (scope of supply) and note added below para 4. (ii) Material Specification is updated.	

Specification have been digitized and all alterations have been incorporated.

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SPECIFICATION FOR
OIL PUMP BRACKET FIXING

1. SCOPE :

This specification covers the manufacture and supply of OIL PUMP BRACKET FIXING for WAG-9, (Co-Co), 6000 HP. 3-Phase, 25 KV. 50 Hz. AC Locomotive.

2. CLIMATIC AND ENVIRONMENTAL CONDITION:

Maximum atmospheric temperature : +70°C (in sun) & +50°C (in shade)
Humidity : 100% saturation during rainy season.

Reference site condition:

(i) Ambient Temperature (Operating) : Max 55°C min. 0°C
(ii) Humidity : 60%
(iii) Altitude : 160 m above mean sea level.
(iv) Rain Fall : Very heavy in certain areas.

The Locomotive will be designed to permit its running at 10 km/hr in flood water level of 102mm above rail level.

Atmosphere during hot weather : Extremely dusty and desert terrain in certain areas.

Coastal areas : Locomotive and equipment will be design to work in coastal areas in humid and salty laden atmosphere.

Vibration : The equipment sub-system and their mounting arrangement will be designed to withstand vibrations and shocks encountered in service as specified in corresponding IEC publications unless otherwise prescribed.

3. STANDARD:

As per relevant IS/IEC.

4. SCOPE OF SUPPLY:

SL. No.	Description	Drawing No.	Material
1	Oil Pump Bracket Fixing	CLW/ES/3/SK-1/0148	X6-Cr-Ni-Ti-1810 as per DIN 17440 (07.85) IS 6911:2017 Gr.X04cr18Ni10Ti/ Gr.321

Note: Qty/Loco to be followed as mentioned in related Category No.P/0/0014 for WAG-9HC, WAP-7 AND WAP-5 locos.

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5. DRAWINGS:

The following drawings are attached with the specification:

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5.1. Technical documents and drawings to be furnished by the supplier as part of the contract.

6. TESTS:

Type test and routine test shall be carried out according to the relevant IS/IEC standard.

7. SUBMISSION OF TENDER QUOTATION:

- 7.1. All tender documents including the quotation shall be submitted in triplicate including any correspondence till a contract is finalised.
- 7.2. The tenderer shall give sufficient information to prove that his factory has adequate facilities and capacity to manufacture the above materials to meet fully the technical requirements of the specification, quality of materials and workmanship.
- 7.3. Quotation shall not be considered complete unless all information is furnished and are therefore liable to be rejected.
- 7.4. Detailed drawings of the above materials should be submitted for approval of purchaser.
- 7.5. Past test reports (if any).

8. TECHNICAL DOCUMENTS TO BE SUPPLIED BY THE SUPPLIER:

- | | | |
|--|---|------------|
| (i) Type test reports | : | 10 Copies. |
| (ii) Routine test report along with each set | : | 4 Copies. |
| (iii) Detailed drawings | : | 6 Copies. |

9. QUALITY ASSURANCE:

Quality assurance should be as per ISO: 9000

NOTE :- The tenderer shall embossed the Name of the firm on the material.

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