



भारतीय रेल (रेल मंत्रालय)
डीजल रेल इंजन कारखाना
वाराणसी-२२१००४, भारत
INDIAN RAILWAYS (MINISTRY OF RAILWAYS)
DIESEL LOCOMOTIVE WORKS
VARANASI-221004, INDIA



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No. dlw.m.65.262

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DESIGN BULLETIN

1. **Design bulletin no.** DB/02/2013/02
2. **Subject** Provision of 400 Watt twin beam Head Lights in place of the existing Alco type 200 Watt twin beam Head light on Bangladesh locomotives.
3. **Background** DLW has manufactured 10 locomotives for Bangladesh Railways and these are equipped with 200 watt Alco type twin beam Head Lights. RITES vide its letter no.RITES/EXPO/04/2187/16BG Locos dated 15th July' 2013 has requested DLW to provide 400 Watt Twin Beam Head Lights in the next 16 BR locomotives which are under manufacture at DLW.
4. **Objective** Identifying structural modifications required to be done for replacing the existing 200 Watt twin beam Head light on Bangladesh locomotives with 400 Watt twin Beam Head Lights (currently used in HHP locomotives). Specifying the new items/parts required for undertaking this modification.
5. **Changes involved in Modification**

| ITEM | EXISTING | Qty/loco | MODIFIED | Qty/Loco |
|------------------------|--------------------------------|----------|-----------------------|----------|
| Bracket | 11049546 | 02 | 11545823 | 02 |
| Top shade | 11571603 | 02 | Not required | nil |
| Head Light Assembly | 12365830 with lamp | 02 | 18360683 without lamp | 02 |
| DC-DC converter | 12201868 | 01 | Not required | - |
| HLPS | 12319752 | 02 | 12319247 | 02 |
| Resistor 6.6 Ω | Nil | Nil | 18250026 | 02 |
| Resistor 3.75 Ω | Nil | Nil | 18300352 | 01 |
| Lamp | Supplied with Head light assy. | Nil | 18360324 | 04 |

