

ESP-001- 2A Rev.00 	PROJECT ENGINEERING & SYSTEMS DIVISION			Std. / Doc. Number
				PY56613
				Rev. No. 00
				Sheet 1 of 3

<p style="text-align: center;">COPYRIGHT AND CONFIDENTIAL</p> <p>The information on this document is the property of BHARAT HEAVY ELECTRICALS LIMITED, It must not be used directly or indirectly in any way detrimental to the interest of the company.</p>	<h1 style="margin: 0;">Technical Specification</h1> <h2 style="margin: 0;">for</h2> <h1 style="margin: 0;">SUPPLY OF RELEASED RAIL</h1> <h2 style="margin: 0;">(FOR EC POST IN RE JOB)</h2>		
	<table border="1" style="width: 100%;"> <tr> <td style="width: 25%; vertical-align: top;"> PROJECT EPC – 3. </td> <td> RAILWAY ELECTRIFICATION WORKS IN FARRUKHABAD-SHIKOHABAD INCLUDING MAINPURI - ETAWAH SECTION, BIRLANAGER TO ETAWAH SECTION, AND BHANDAI TO UDI-MORE SECTION. Gr 239, Gr 240, Gr 241 & Gr 241 SECTIONS IN NORTH CENTRAL RAILWAY,386 RKM/440TKM </td> </tr> </table>	PROJECT EPC – 3.	RAILWAY ELECTRIFICATION WORKS IN FARRUKHABAD-SHIKOHABAD INCLUDING MAINPURI - ETAWAH SECTION, BIRLANAGER TO ETAWAH SECTION, AND BHANDAI TO UDI-MORE SECTION. Gr 239, Gr 240, Gr 241 & Gr 241 SECTIONS IN NORTH CENTRAL RAILWAY,386 RKM/440TKM
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Revisions: Refer to record of revisions	Prepared by :	Checked by :	Approved by :	Date :
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**1.0 INTENT OF SPECIFICATION:**

This specification governs the requirements of supply of Released rail (old Rail) in NCR Division located at Gr239, Gr240, Gr 241 & Gr 241A sections.

2.0 TECHNICAL REQUIREMENTS:

Supply of Released rail post having following details:

SL No.	Technical parameters	Required Parameters	Remarks
1.	Length of each piece	2.8 Meters.	
2.	Dimension / quality	90R rail post (min)	
3.	Source	To be sourced from Railway	
4.	Weight of each piece (2.8 Mtrs)	100 Kg's (Minimum)	
5.	Rail Type	Broad Gauge (BG) type.	

One set of Released rail post shall have above technical features. The total quantity in sets (each 2.8 Mtrs) shall be as per variant table mentioned below.

3.0 INSPECTION & TESTING

Following inspection and testing shall be conducted before shipment of material:

- a. Visual inspection:-
 - i. The material is free from the Rust, dust, damage, cracks and bends.
 - ii. The material shall be considered directly from the scrap with out further usage by vendor.
 - iii. The material shall not have any holes, cuts and not less than 2.8 Meters in length etc.,
 - iv. Uniform distribution of weight across the length of the Rail post.
- b. Dimensional inspection:-
 - i. It has to be broad gauge rail, dimensions shall be matching to Railway standard dimensions of post usage.
 - ii. Each piece shall be in straight, edges shall be smoothen for handling.
- c. The material will be inspected at either at works or at receipt end by either jointly or individually by BHEL / RE / Div Rly representatives.

4.0 PACKING & DISPATCH

The material shall be dispatched in a 2.8 Meters each piece with above technical requirements to the project site located at Mainpuri station (BHEL Store) located in Utter Pradesh. Each store required quantities will be intimated during dispatch stage. The material shall be transported and dispatched till BHEL stores by contractor.

5.0 VARIANT TABLE

Var No.	Material Code	Material Code description	Len (Mtrs)	Weight (Kgs)	Remarks
00	PY9756613009	Rail post released from railway	2.8	100 (Min)	BG line

6.0 DOCUMENTATION

No Documentation is required.

Annexure-I : Price Estimation for released rail post (2.8 Meters each)				[Technical Specification No: PY56613]		
Sl. No.	Item Description	Unit	QUANTITY [A]	Final Unit Rate (Rs.) [B]	Amount (Rs.) [C = A x B]	Remarks
1	Gr 241 Section (Mainpuri Stores) Released Rail post (2.8 Mtrs height) (Material Code: PY9756613009)	Set	225			
2	Gr 239 Section (Mainpuri Stores) Released Rail post (2.8 Mtrs height) (Material Code: PY9756613009)	Set	20			
3	Gr 240 Section (Mainpuri Stores) Released Rail post (2.8 Mtrs height) (Material Code: PY9756613009)	Set	20			
				Grand Total Price=		

Notes: 1. The above approx. unit price estimation is without taxes and duties.