Annexure -A

Technical Specifications

1. **SCOPE OF WORK/ SUPPLY:**

Manufacture, Supply and Delivery of **Turned & Fitted Bolts (Property Class 8.8)** complete with Nuts and Washers, conforming to **BBJ Drawing Nos. 3144-ERC-61.0M-SK-10** for the **Gorakhpur–Valmiki Nagar Doubling Project**.

The scope shall include manufacture, testing, inspection, packing, loading, transportation, and delivery of the following:

Sl. No.	Description	Quantity
01	Turned & Fitted Bolts (Gr. 8.8) – 25MM Dia complete with Nuts & Washers for Bridge Nos. 16, 50 & 391 as per the following: (a) **25mm Dia X 80mm Length** (b) **25mm Dia X 90mm Length**	**410 Sets** **410 Sets**

The materials shall be supplied strictly in accordance with the drawings, technical specifications, inspection requirements, and other provisions of the tender document.

The successful bidder shall also be responsible for submission of Manufacturer's Test Certificates (MTCs), inspection reports, packing, safe transportation, and replacement of any defective materials during the Defect Liability Period.

2. **TECHNICAL SPECIFICATIONS:**

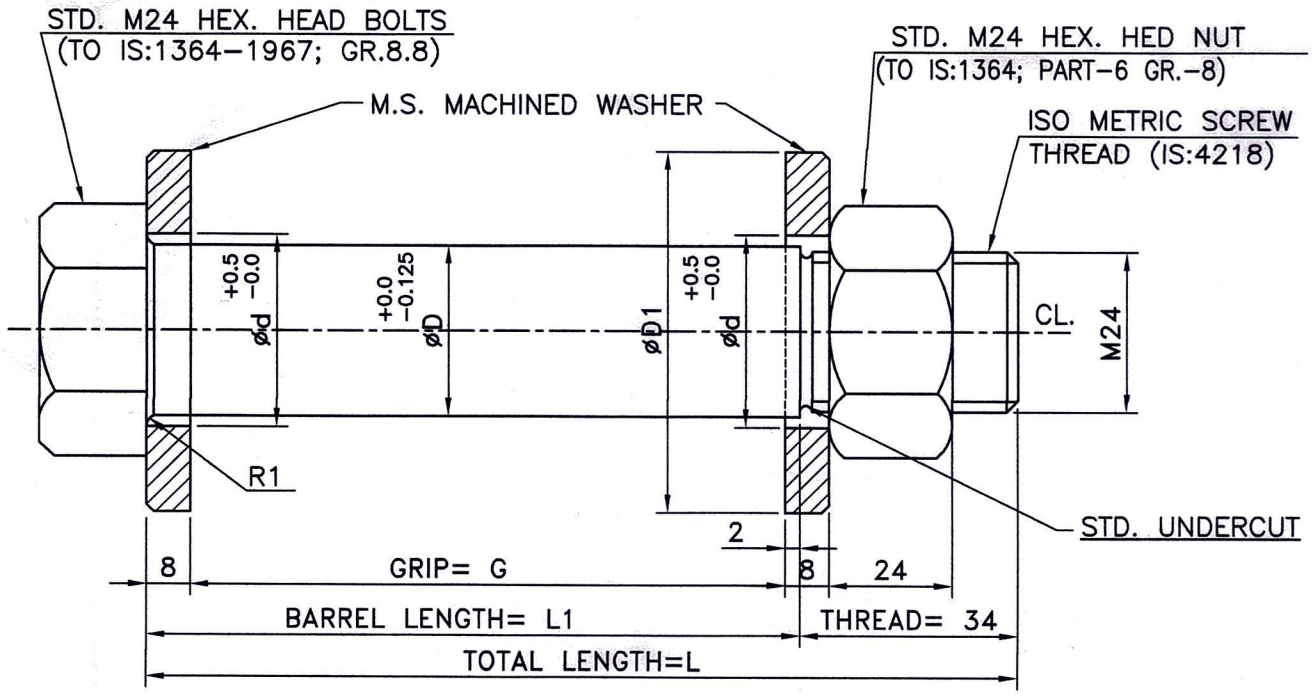
The materials shall conform strictly to the technical specifications, dimensions, tolerances, and requirements stipulated in **BBJ Drawing Nos. 3144-ERC-61.0M-SK-10**, enclosed at **Annexure–A**.

All Turned & Fitted (TF) Bolts shall be of **Property Class 8.8** and shall conform to the applicable provisions of relevant **IS/ IRS/ RDSO specifications**, including the latest amendments thereof.

The successful bidder shall ensure that all bolts, nuts, and washers are manufactured, tested, inspected, and supplied in accordance with the approved drawings, technical specifications, and applicable quality assurance requirements.

SOUVIK BHATTACHARYA

Digitally signed by SOUVIK BHATTACHARYA
Date: 2026.11.18 15:08:43 +05'30'



25 DIA TURNED & FITTED BOLTS; CLASS 8.8
FOR FIXING CROSS GIRDER & STOOL CONNECTION AT EXPANSION STRINGER

TYPE	BARREL DIA. OF BOLTS 'D'	GRIP (G)	BARREL LENGTH (L1)	THREAD LENGTH	TOTAL LENGTH	ROUND WASHER OUTER DIA 'D1'	WASHER BORE DIA 'd'	TOTAL QTY. PER SPAN	LOCATION
	25	36	46	34	80	50	26	8	Top Angel+Stool pl. +Cross girder web pl. (12+12+12)
	25	46	56	34	90	50	26	8	Stif. Angel+Top Angel+Stool pl. +Cross girder web pl. (10+12+12+12)

REQD. FOR BR. NO.– 16 (18 NOS. SPAN) = 150+150 SETS (WITH SPARE)
REQD. FOR BR. NO.–391 (17 NOS. SPAN) = 142+142 SETS (WITH SPARE)
REQD. FOR BR. NO.– 50 (14 NOS. SPAN) = 118+118 SETS (WITH SPARE)
TOTAL REQUIREMENT FOR 49 NOS. SPAN = 410+410 SETS (WITH SPARE)

NOTE:–

1. ALL DIMENSIONS ARE IN MM.
2. T.F. BOLTS ARE GR.–8.8 AND NUTS ARE GR.–8. CONFORM TO IS:1367 WITH MACHINED WASHER
3. THESE BOLTS ARE REQD. FOR 49x61.0M SPAN

THE BRAITHWAITE BURN AND JESSOP CONSTRUCTION COMPANY LIMITED
(A GOVT. OF INDIA ENTERPRISE)

CLIENT: NORTH EASTERN RAILWAY

PROJECT: 25Ton. AXLE LOADING STANDARD–2008, OPEN WEB WELDED THROUGH TYPE GIRDER FOR BR.NO.–50(14x61.0M) SPAN FOR BETWEEN PANIAHWA–VALMIKINAGAR DOUBLING, BR.NO 16 (18x61.0M)BETWEEN MANJHI–BAKULAHA STATION OF CPR–BUI DOUBLING,BR.NO 391 (17x61.0M) BETWEEN CHOWKA GHAT– GHAGHRA GHAT OF BUG–GD 4TH LINE PROJECT.

TITLE: DETAILS OF TURNED & FITTED BOLTS FOR FIXING STOOL AT EXPANSION JOINT CROSS GIRDER

SCALE:– 1:2	NAME	DATE	B.B.J. ORDER NO.– 3144	
DRAWN BY:	R. BOSE	16.09.2026	DRG. NO. 3144–ERC–61.0M–SK–10	REV. 0
CHECKED BY:	S.MAJUMDER	16.06.2026		
APPROVED BY:			REQN.NO.– D/3579 DATE:–16.09.26	A4