



REFERENCE DRAWING:
1. NHDB-3BC4-41-DD-0001.

19.09.2024	00	ISSUED FOR CONSTRUCTION	DR. ANIL KUMAR	DR. ANIL KUMAR	DR. ANIL KUMAR	DR. ANIL KUMAR	DR. ANIL KUMAR	DR. ANIL KUMAR	DR. ANIL KUMAR
DATE	NO.	REVISION OR ISSUES	BY	CH. APP.	DATE	NO.	REVISION OR ISSUES	BY	CH. APP.
19.09.2024	00		DR. ANIL KUMAR		19.09.2024	00		DR. ANIL KUMAR	

- NOTES:-**
- सभी माप मिलीमीटर में तथा ऊंचाई मीटर में दिए गए हैं।
ALL DIMENSIONS ARE IN MILLIMETERS AND LEVELS IN METERS.
 - THE DEFINITION OF 'A', 'B' LINE AND VARIOUS CLASSES OF EXCAVATION SHOWN SHALL BE AS PER SECTION B.3 OF TECHNICAL SPECIFICATIONS.
 - UNDERGROUND EXCAVATION INCLUDING PROTECTION OF TUNNEL INVERT SHALL BE CONFORMING TO SECTION B.3 OF TECHNICAL SPECIFICATION.
 - ROCK BOLTS/ANCHORS SHOWN IN THE DRAWING SHALL BE CONFORMING TO SECTION B.4 OF TECHNICAL SPECIFICATION.
 - MINOR MODIFICATION IN THE LENGTH, ORIENTATION, PATTERN AND LOCATION OF ROCK BOLTS/ANCHORS MAY BE DONE TO SUIT THE SITE CONDITIONS WITH THE APPROVAL OF ENGINEER-IN-CHARGE.
 - STEEL RIBS SHOWN IN THE DRAWING SHALL BE CONFORMING TO SECTION B.4 OF TECHNICAL SPECIFICATION. THE SPACING OF RIBS SHOWN MAY BE MODIFIED TO SUIT THE SITE CONDITIONS WITH THE APPROVAL OF ENGINEER-IN-CHARGE. FOR STEEL RIB DETAILS REFER SEPARATE DRAWING.
 - LATTICE GIRDER SHALL BE CONFORMING TO SECTION B.4 OF TECHNICAL SPECIFICATION. FOR LATTICE GIRDER DETAILS REFER DRAWING NO. NHDB-4BC4-41-DD-1015.
 - STEEL LAGGING OR PRE CAST CONCRETE LAGGING AS SPECIFIED IN SECTION B.4 OF TECHNICAL SPECIFICATION SHALL BE USED WITH THE APPROVAL OF ENGINEER-IN-CHARGE.
 - IN CLASS-VB TYPE OF ROCK, INVERT STRUT MAY ALSO BE REQUIRED.
 - SFR SHOTCRETE SHOWN IN THE DRAWING SHALL BE APPLIED AS SPECIFIED IN SECTION B.5 OF TECHNICAL SPECIFICATION. IF REQUIRED PLAIN SHOTCRETE WITH WIREMESH CAN BE USED WITH THE APPROVAL OF ENGINEER-IN-CHARGE. 50mm THK. MINIMUM SHOTCRETE SHALL BE PROVIDED AS FINAL SUPPORT IN ENTIRE LENGTH OF TUNNEL IRRESPECTIVE OF ROCK CLASS.
 - 450 5000 LONG (INTO ROCK) CONSOLIDATION GROUTING @ 3000 C/C STAGGERED BOTHWAYS SHALL BE PROVIDED IN CLASS IV, VA & VB OR AS DIRECTED BY ENGINEER-IN-CHARGE, AS PER SECTION B.7 OF TECHNICAL SPECIFICATION.
 - 450 5000 LONG (INTO ROCK) PRESSURE RELIEF HOLES @ 3000 C/C WITH 36MM DIA. PERFORATED PVC PIPES STAGGERED BOTHWAYS SHALL BE PROVIDED ON AND ABOVE SPRINGING LEVEL IN CLASS II & III EXCEPT LOW COVER ZONE OR AS DIRECTED BY ENGINEER-IN-CHARGE, AS PER SECTION B.7 OF TECHNICAL SPECIFICATION.
 - FOR ADDITIONAL ROCK SUPPORT MEASURES IN POOR ROCK/ REACHES REFER DRAWING NO. NHDB-4BC4-41-DD-1007.
 - PREGROUTING/FOREPOLING/PIPE ROOFING SHALL BE USED WHERE RMR VALUE IS LESS THAN 35 OR AS DIRECTED BY ENGINEER-IN-CHARGE.
 - M25/A40 GRADE FOR INVERT CONCRETE AND M15/A40 FOR BACKFILL CONCRETE CONFORMING TO SECTION B.9 OF TECHNICAL SPECIFICATION SHALL BE USED.
 - FOR ADITS JUNCTION(BIFURCATION/INTERSECTION) DETAILS REFER SEPARATE DRAWINGS.

एन एच पी सी लिमिटेड
(भारत सरकार का उद्यम)
NHPC Limited
(A GOVT. OF INDIA ENTERPRISE)

दिवांग बहुउद्देशीय परियोजना
DIBANG MULTIPURPOSE PROJECT

HEAD RACE TUNNEL
ADIT TO HRT (9M D-SHAPE)
TYPICAL CROSS SECTIONS