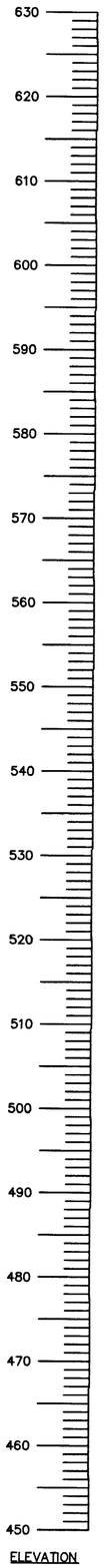
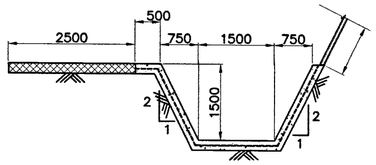
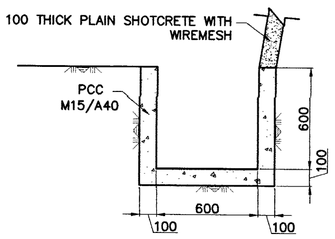




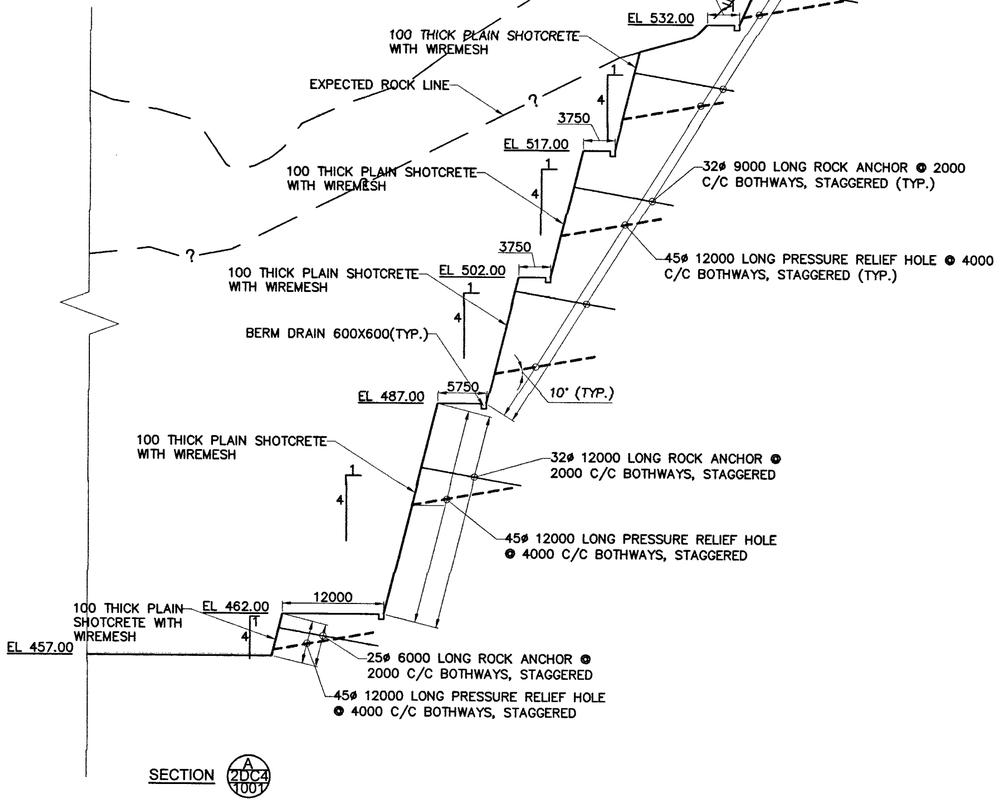
TYPICAL SECTION OF CATCH WATER DRAIN

(NTS)



TYPICAL DETAIL OF BERM DRAIN

(NTS)



SECTION A 2DC4 1001

NOTES:

1. सभी माप मिलीमीटर में तथा ऊंचाई मीटर में दिए गए हैं। ALL DIMENSIONS ARE IN MILLIMETRES AND ELEVATIONS IN METRES.
2. THE INCLINATION AND ORIENTATION OF ROCK ANCHORS SHOWN IN THE DRAWING IS TENTATIVE. HOWEVER, THE SAME MAY BE MODIFIED AS PER SITE CONDITION BASED ON THE ORIENTATION OF JOINTS SETS OR AS DIRECTED BY ENGINEER IN CHARGE.
3. THE SPACING OF ROCK ANCHORS MAY BE MODIFIED AS PER SPECIFIC SITE REQUIREMENT OR AS DIRECTED BY ENGINEER IN CHARGE.
4. EXCAVATION SHALL BE DONE IN STAGES OF UPTO 5 METRE HEIGHTAS PER SITE SPECIFIC CONDITION AND SLOPE (OVERBURDEN/ROCK) SHALL BE STABILIZED SIMULTANEOUSLY WITH THE PROVISION OF ROCK SUPPORT AS INDICATED IN THE DRAWING.
5. CONSOLIDATION GROUTING, IF REQUIRED DUE TO SITE CONDITIONS MAY BE CARRIED OUT WITH THE APPROVAL OF *ENGINEER IN CHARGE TO IMPROVE THE PROPERTIES OF THE* OVERBURDEN/ROCKMASS BEFORE PROCEEDING FOR EXCAVATION OF SLOPE. THE CONTRACTOR SHALL PROPOSE SUITABLE METHODOLOGY INCLUDING ACCEPTANCE CRITERIA BASED ON FIELD TEST.
6. ROCK EXCAVATION BELOW ANY BENCH SHALL NOT COMMENCE UNTIL ALL THE ROCK SUPPORT MEASURES AS SHOWN IS INSTALLED IN ALL RESPECT.
7. 36ø DIA. PERFORATED PVC PIPE SHALL BE INSERTED IN 45ø DIA. PRESSURE RELIEF HOLESOR AS PER SITE SPECIFIC CONDITION OR AS DIRECTED BY ENGINEER INCHARGE
8. BERM DRAINS SHALL BE LINED WITH 100 THICK PCC M15A40.
9. THE LONGITUDINAL SLOPE IN THE DRAIN SHALL NOT BE STEEPER THAN 1 IN 100.
10. CATCH WATER DRAIN BEYOND EXCAVATION EXTENT NOT SHOWN FOR CLARITY. ALL CATCH WATER DRAINS SHALL BE SUITABLY ALIGNED TO DISCHARGE INTO NATURAL DRAINS.
11. NATURAL DRAINS DISCHARGING IN THE PORTAL AREA SHALL BE SUITABLY DIVERTED AWAY FROM THE PORTAL AREA.
12. WORKS REQUIRED FOR DIVERSION OF THE NATURAL DRAINS AWAY FROM THE PORTAL AREA SHALL BE PLANNED AS PER SITE CONDITIONS AND WITH THE APPROVAL OF THE ENGINEER IN CHARGE.
13. REFER SEPARATE DRAWINGS FOR CONCRETE DEFINITION AND REINFORCEMENT DETAILS OF POWER INTAKE TUNNEL PORTALS.
14. TEMPORARY SUPPORT MEASURES LIKE ROCK ANCHORS/SHOTCRETE WITH WIREMESH MAY BE PROVIDED IN THE PORTAL CUT FACE AS PER REQUIREMENT WITH APPROVAL OF ENGINEER IN CHARGE.
15. REINFORCED 3D GEOSYNTHETIC EROSION CONTROL MAT & MULCHING SHALL CONFORM TO SECTION B.17 OF TECHNICAL SPECIFICATIONS.
16. SHOTCRETING SHALL CONFORM TO SECTION B.5 OF TECHNICAL SPECIFICATION.
17. ROCK SUPPORT SHALL CONFORM TO SECTION B4 OF TECHNICAL SPECIFICATION.
18. DRILLING FOR PRESSURE RELIEF HOLES AND ROCK ANCHORS SHALL CONFORM TO SECTION B7 OF TECHNICAL SPECIFICATION.
19. INSTALLATION OF SELF DRILLING ANCHORS SHALL BE AS [redacted] CLAUSE 3.6.2.4 OF SECTION B3 OF TECHNI SPECIFICATION.
20. SCALING OF WEATHERED AND FRACTURED ROCK SURFACE, IF ANY REQUIRED, MAY BE CARRIED OUT AS PER SITE CONDITIONS OR AS DIRECTED BY ENGINEER IN CHARGE.
21. FOR OTHER NOTES REFER DRAWING NO. NHDB-2GC4-41-DD-1001.
22. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH DRAWING NO. NHDB-2GC4-41-DD-1001, 1003 TO 1013.

SCALE:

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

दिबांग बहुउद्देशीय परियोजना
DIBANG MULTIPURPOSE PROJECT

POWER INTAKE
EXCAVATION AND ROCK SUPPORT
SECTIONS

SHEET 02 OF 13

DATE	NO.	REVISION OR ISSUES	BY	CH.	APP.
07.03.25	00	ISSUED FOR CONSTRUCTION			

DESIGN MEMO NO. डिजाइन मेमो संख्या

DRAWN अंकित	SUBMITTED प्रस्तुत	RECOMMENDED अनुशंसित	APPROVED अनुमोदन
ABHISHEK YADAV	ASHISH RAO	SAURABH SINGH	SUDHIR DUBEY

DATE दिनांक	DRG. NO. ड्रेग संख्या					
MAR 2025	NHDB	2GC4	41	DD	1002	00

IMS/DED/F-02 REV. NO. : 03 EFF. DATE 21.07.2016

DRG. NO. NHDB-2GC4-41-DD-1002-00

INKJET 75 MIC D/M, BH. No. JP-151007/7 PRINT ON THIS SIDE