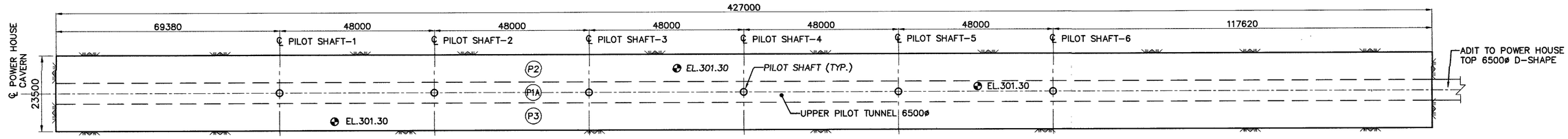
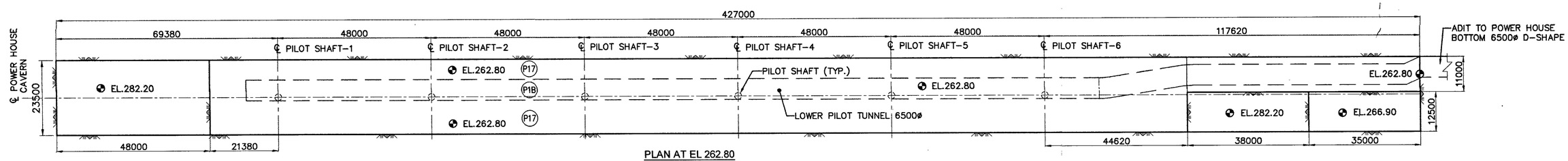
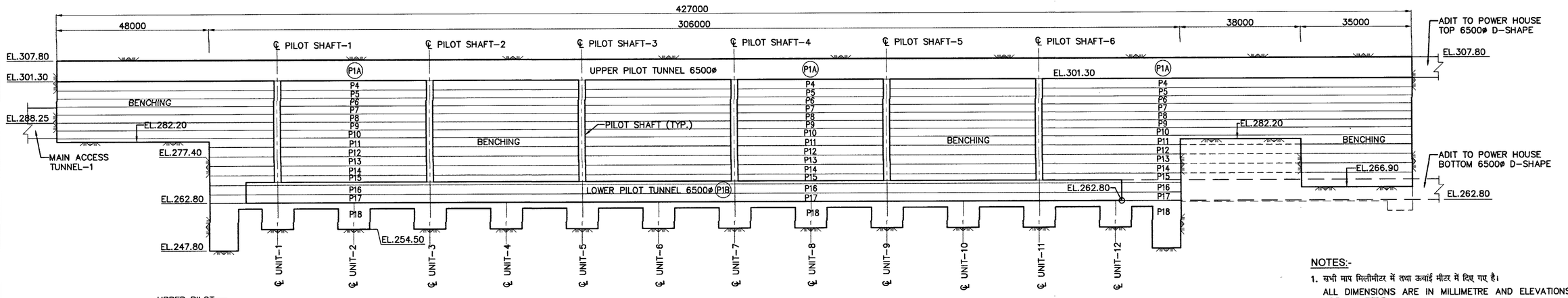


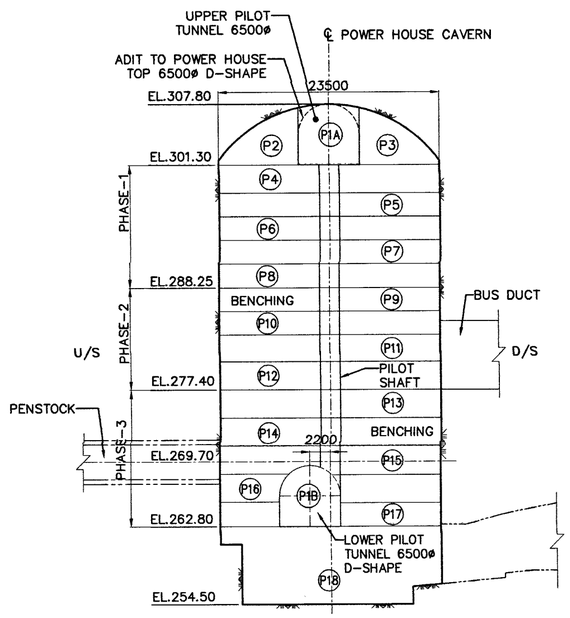
PLAN AT EL 301.30



PLAN AT EL 262.80



POWER HOUSE
LONGITUDINAL SECTION



TYPICAL CROSS SECTION
(POWER HOUSE CAVERN)
(NTS)

EXCAVATION SEQUENCE:-

STEP-1: CONSTRUCTION OF ADIT TO POWER HOUSE TOP AND ADIT TO POWER HOUSE BOTTOM.

STEP-2: CONSTRUCTION OF UPPER PILOT TUNNEL AND LOWER PILOT TUNNEL.

STEP-3: SIDEWISE EXCAVATION OF UPPER PILOT TUNNEL FOR FULL WIDTH OF POWER HOUSE CAVERN.

STEP-4: *EXCAVATION OF PILOT HOLE/PILOT SHAFT WITH THE HELP OF RAISE* BORER INSTALLED IN THE UPPER PILOT TUNNEL.

STEP-5: POWER HOUSE (INCLUDING SERVICE BAYS, CONTROL BLOCK ETC.) WOULD BE BENCHED DOWN THROUGH PILOT SHAFTS. MUCK WOULD BE DOZED THROUGH PILOT SHAFTS AND HAULED THROUGH LOWER PILOT TUNNEL.

PHASE-1: BENCHING WILL BE DONE FROM EL.301.30 TO EL.288.25.

PHASE-2: BENCHING FROM EL.288.25 TO EL.277.40 SIMULTANEOUSLY WITH BENCHING IN MIV CAVERN. ROCK SUPPORTS (INCLUDING TENDONS) SHALL BE INSTALLED SIMULTANEOUSLY.

PHASE-3: BENCHING FROM EL 277.40 TO EL.262.80 SHALL BE DONE SIMULTANEOUSLY WITH BENCHING IN MIV CAVERN AFTER EXCAVATION OF HORIZONTAL PORTION OF BUS DUCTS AT EL.277.40. ROCK SUPPORTS (INCLUDING TENDONS) SHALL BE INSTALLED SIMULTANEOUSLY.

STEP-6: EXCAVATION BELOW EL.262.80 MAY BE HAULED THROUGH ADIT TO POWER HOUSE BOTTOM/ TAIL RACE TUNNELS.

NOTES:-

1. सभी माप मिलीमीटर में तथा ऊचांई मीटर में दिए गए है।
   ALL DIMENSIONS ARE IN MILLIMETRE AND ELEVATIONS ARE IN METRE.
2. THIS IS SCHEMATIC ARRANGEMENT OF EXCAVATION SEQUENCE FOR POWER HOUSE CAVERN BETWEEN EL.307.80 TO EL.262.80. FOR EXCAVATION BELOW *EL.262.80 REFER SEPARATE DRAWINGS.* EXCAVATION OF CAVERN SHALL BE AS PER SECTION B.3 OF TECHNICAL SPECIFICATIONS. IN TERMS OF CONTRACT CONDITIONS/ PROVISION, CONTRACTOR IS REQUIRED TO FURNISH THE EXCAVATION SEQUENCE AND METHODOLOGY PROPOSED TO BE CARRIED OUT BY HIM FOR THE APPROVAL OF THE ENGINEER-IN-CHARGE. EXCAVATION SEQUENCE MAY BE MODIFIED AS PER SITE REQUIREMENT WITH THE APPROVAL OF ENGINEER-IN-CHARGE.
3. FOR ROCK SUPPORTS REFER SEPARATE DRAWING.

REFERENCE DRAWING:
1. NHDB-4AC4-41-DD-0001

SCALE:-
0 9 18 27 36 45 METRE
(SCALE= 1:900)

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 HOUSE CAVERN
EXCAVATION SEQUENCE
GENERAL ARRANGEMENT

DATE	NO.	REVISION OR ISSUES	BY.	CH.	APP.
07.03.2025	00	ISSUED FOR CONSTRUCTION			

DRAWN अंकित	SUBMITTED प्रस्तुत	RECOMMENDED अनुशंसित		APPROVED अनुमोदन
VINAY KUMAR	PRABHAT ASWAL	RAJEEV KUMAR	DEWANI	CHOWDHURY

DESIGN MEMO NO.:- डिजाइन मेमो संख्या

DATE दिनांक	DRG. NO. ऊंचा संख्या					
MAR 2025	NHDB	4CC4	41	DD	1001	00

DRG. NO. NHDB-4CC4-41-DD-1001-00