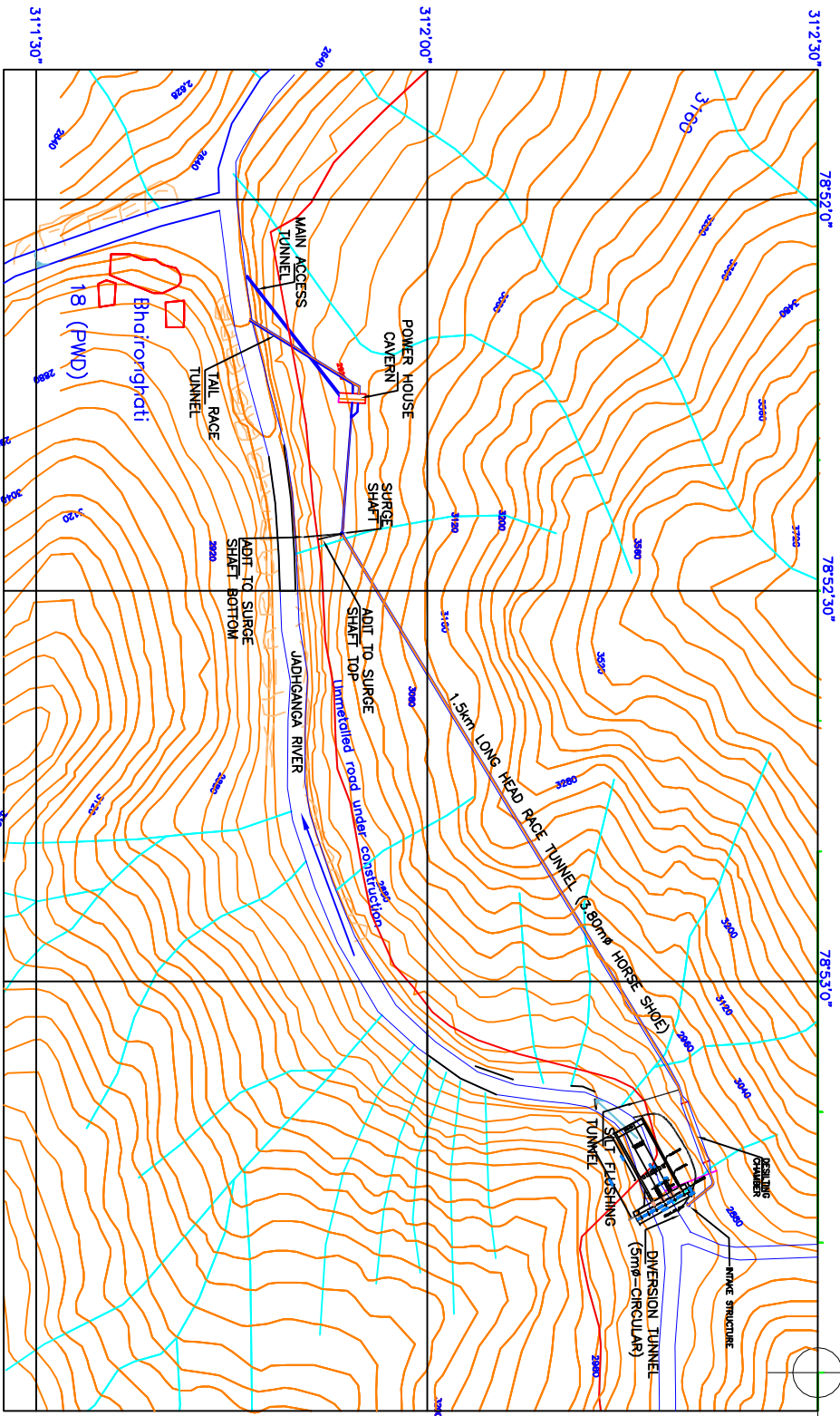




SALIENT FEATURES

1. DIVERSION TUNNEL

- a) LENGTH 400.0m
- b) DIAMETER 5m.Ø
- c) DESIGN DISCHARGE 80cumecs

2. DIVERSION STRUCTURE-GRAVITY DAM

- a) FRL EL. 2802.50m
- b) MODL EL. 2785.50m
- c) RIVER BED LEVEL EL. 2766.00m
- d) TOP OF THE DAM EL. 2805.00m
- e) NO. OF BAYS 3 (14m X 13.25m)
- f) OCEET SPILLWAY CREST EL. 2775.00m
- g) DESIGN FLOOD 6460 cumecs

3. INTAKE

- a) No. OF INTAKES 01
- b) CAPACITY OF INTAKE 47 cumecs

4. DESILTING CHAMBER

- a) No. OF CHAMBER 01
- b) SIZE 220m x 10m x 17m
- c) MINIMUM PARTICLE SIZE TO BE REMOVED 0.2mm

5. HEAD RACE TUNNEL

- a) LENGTH 1.5 km
- b) DIAMETER 3.80m.Ø HORSE SHOE
- c) DESIGN DISCHARGE 38.0 cumecs

6. SURGE SHAFT

- a) DIAMETER 8m
- b) MAXIMUM SURGE LEVEL EL. 2828.00m
- c) MINIMUM SURGE LEVEL EL. 2773.00m

7. PRESSURE SHAFT

- a) No. 01
- b) DIAMETER 3.2m
- c) INCLINATION 51°

8. POWER HOUSE

- a) TYPE UNDERGROUND
- b) INSTALLED CAPACITY 2 X 25 MW
- c) RATED HEAD 142.57m
- d) MAXIMUM TML EL. 2849.00m
- e) MINIMUM TML EL. 2847.00m

NOTES:-

- 1. ALL DIMENSIONS AND ELEVATIONS ARE IN METRES
- 2. UNLESS OTHERWISE SPECIFIED.
- 3. CONTOURS ARE BASED ON SOI TOPO SHEET NO.53 I/18(1:50000 SCALE)

CENTRAL ELECTRICITY AUTHORITY

PRE-FEASIBILITY REPORT	CONSULTANTS
JADHANGA H.E. PROJECT	WATER AND POWER CONSULTANCY SERVICES (PUNJ) LTD.

LAYOUT PLAN

DRAWN BY:	DESIGN BY:	APPROVED BY:	SCALE
CHARTAR SINGH			
GURGOON/HARTANA	DRG. NO. WAP/ PFR/JADHANGA/1001/R1		
JAN. 2004			