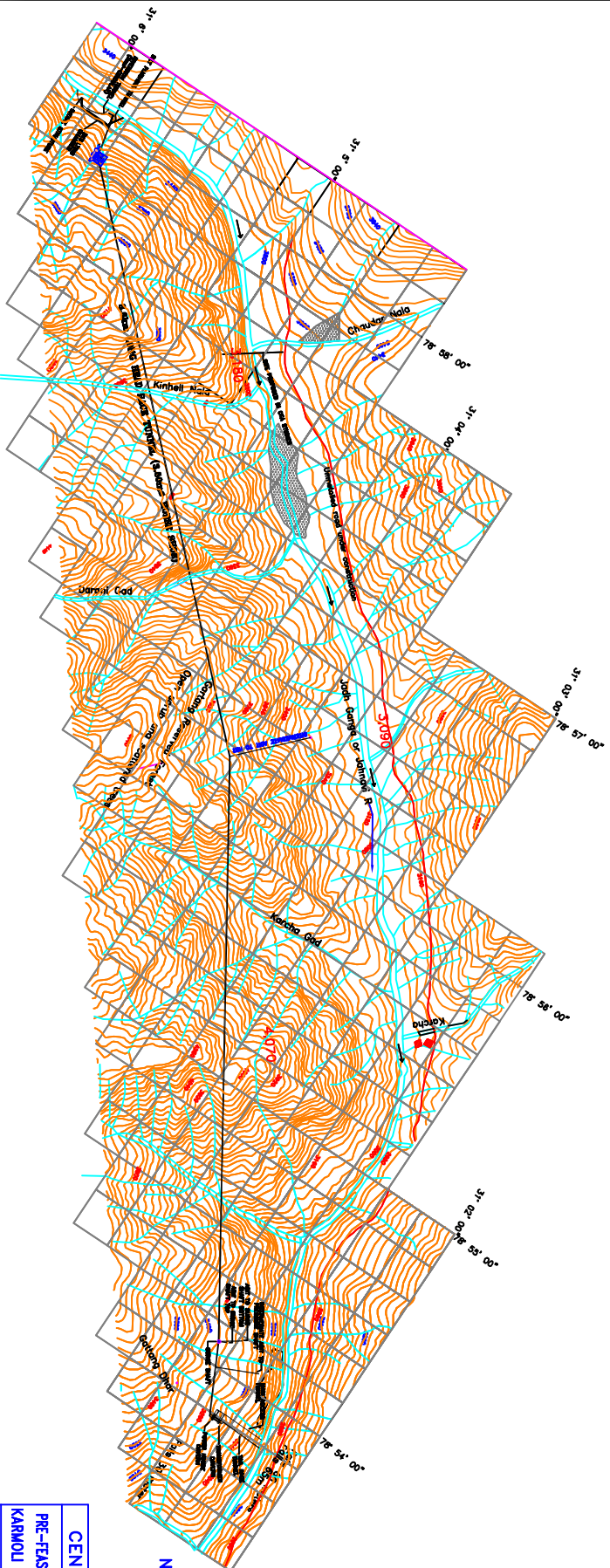




SALENT FEATURES

1. DIVERSION TUNNEL

- a) LENGTH 300.0m
- b) DIAMETER 80 cm
- c) DIVERSION FLOOD 80 cumecs

2. DIVERSION STRUCTURE-GRAVITY DAM

- a) FRL EL. 3208.0m
- b) MUDL EL. 3204.0m
- c) RIVER BED LEVEL EL. 3225.0m
- d) TOP OF THE DAM EL. 3271.0m
- e) SIZE & NO. OF BAYS 4 (12.5m X 11.0m)
- f) DESIGN FLOOD EL. 3250.0m
- g) DESIGN FLOOD 5000 cumecs

3. INTAKE

- a) NO. OF JUNKES 01
- b) CAPACITY OF INTAKE 45 cumecs

4. HEAD RACE TUNNEL

- a) NO. OF CHAMBER 01
- b) SIZE 200m x 10m x 15m
- c) MANUAL PARTICLE SIZE TO BE REMOVED 0.2mm

5. SURGE SHAFT

- a) DIAMETER 8.0m
- b) DESIGN DISCHARGE 37.11 cumecs
- c) MANUAL PARTICLE SIZE TO BE REMOVED 0.2mm

6. PRESSURE SHAFT

- a) DIAMETER 5m
- b) MANUAL SURGE LEVEL EL. 3300.0m
- c) MANUAL SURGE LEVEL EL. 3210.0m

7. POWER HOUSE

- a) TYPE 01
- b) INSTALLED CAPACITY 418.67m
- c) RATED HEAD EL. 2820.0m
- d) MANUAL TRL EL. 2815.0m

8. TAIL RACE TUNNEL

- a) TYPE 01
- b) INSTALLED CAPACITY 418.67m
- c) RATED HEAD EL. 2820.0m
- d) MANUAL TRL EL. 2815.0m

9. TAIL RACE TUNNEL

- a) TYPE 01
- b) INSTALLED CAPACITY 418.67m
- c) RATED HEAD EL. 2820.0m
- d) MANUAL TRL EL. 2815.0m

10. TAIL RACE TUNNEL

- a) TYPE 01
- b) INSTALLED CAPACITY 418.67m
- c) RATED HEAD EL. 2820.0m
- d) MANUAL TRL EL. 2815.0m

11. TAIL RACE TUNNEL

- a) TYPE 01
- b) INSTALLED CAPACITY 418.67m
- c) RATED HEAD EL. 2820.0m
- d) MANUAL TRL EL. 2815.0m

12. TAIL RACE TUNNEL

- a) TYPE 01
- b) INSTALLED CAPACITY 418.67m
- c) RATED HEAD EL. 2820.0m
- d) MANUAL TRL EL. 2815.0m

NOTES:

- 1. ALL DIMENSIONS AND ELEVATIONS ARE IN METRES
- 2. CONTOURS ARE BASED ON SON TOPO SHEET NO.33 V/K(15000 SCALE)

CENTRAL ELECTRICITY AUTHORITY

PRE-FEASIBILITY REPORT

KARMOU H.E. PROJECT



CONSULTANTS

WATER AND POWER

LAYOUT PLAN

DRAWN BY: DESIGN BY: APPROVED BY: SCALE

CHAYAN SINGH

SECTION-18, JORGAON, HARYANA

JAN. 2004

TEL. NO. 011/27410000/100/71