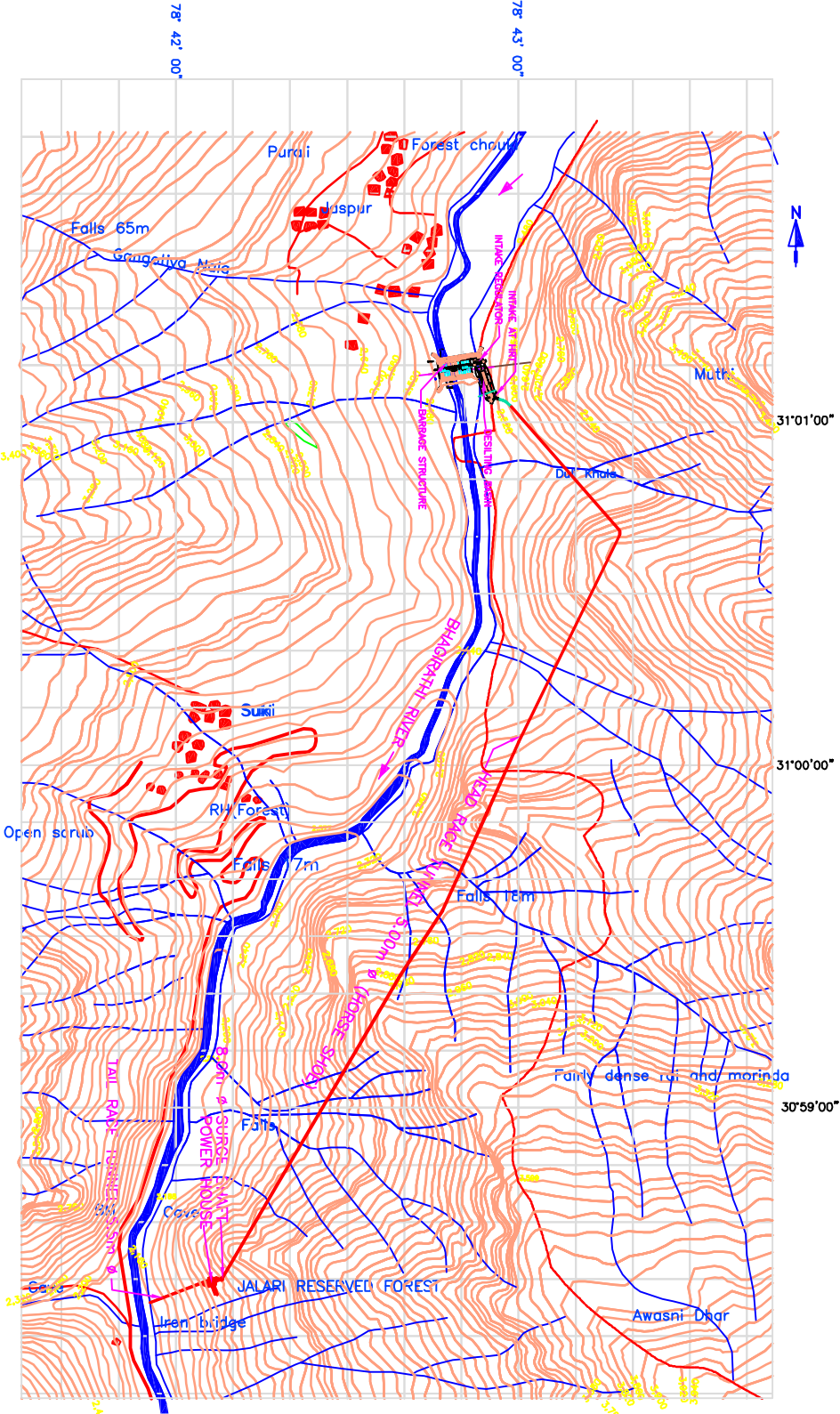




SALENT FEATURES

1. DIVERSION CHANNEL		OPEN CHANNEL
a) TYPE		100 cumecs
b) DESIGN DISCHARGE		
2. DIVERSION STRUCTURE BARRAGE		
a) FRL/POND LEVEL		EL. 2447.50m
b) HFL		EL. 2452.50m
c) MUDL		EL. 2445.50m
d) RIVER BED LEVEL		EL. 2441.00m
e) TOP OF THE BARRAGE		EL. 2454.00m
f) NO. OF BAYS		16 OF 11.00mX7.50m
g) SPILLWAY CREST		EL. 2441.50m
h) DESIGN FLOOD		6300cumecs
3. INTAKE REGULATOR		
a) LENGTH		40.00m
b) CREST		EL. 2444.00m
c) NO. OF BAYS		3 OF 12.00mX3.50m
d) DESIGN DISCHARGE		100cumecs
4. DESTINING BASIN		
a) NO. OF BASIN		2 Nos.
b) MINIMUM PARTICLE SIZE TO BE REMOVED		0.20mm AND ABOVE
c) SIZE OF BASIN		150mX14.0mX11.0m
5. HEAD RACE TUNNEL		
a) LENGTH		5.06 kms.
b) DIAMETER		5.0m# HORSE SHOE
c) RATED DISCHARGE		83.04 cumecs
6. SURGE SHAFT		
a) DIAMETER		8.0m.
b) MAXIMUM SURGE LEVEL		EL.2480.00m.
c) MINIMUM SURGE LEVEL		EL.2411.00m
7. PRESSURE SHAFT		
a) NO.		1 NO.
b) DIAMETER		4.50m
c) INCLINATION		VERTICAL
8. POWER HOUSE		
a) TYPE		UNDERGROUND
b) INSTALLED CAPACITY		3 X 70 MW
c) MAXIMUM TML		EL. 2148.50m.
d) MINIMUM TML		EL. 2148.50m.

PROJECT LAYOUT

NOTES

1. ALL DIMENSIONS ARE IN MM. & ELEVATIONS ARE IN METRES UNLESS OTHERWISE SPECIFIED.
2. CONTOURS ARE BASED ON SDI TOPO SHEET NO.53/12 & 53/9 (1:50000 SCALE)

CENTRAL ELECTRICITY AUTHORITY

PRE-FEASIBILITY REPORT

CONSULTANTS:

HARSIL H.E. PROJECT

 WATERSHED SERVICES CONSULTANCY SERVICES (INDIA) LTD.

PROJECT LAYOUT PLAN

DRAWN BY:	DESIGN BY:	APPROVED BY:	SCALE
CHATUR SINGH			
GURGAON,HARYANA			
MAR. 2004	DRG. NO. WAP / PFR/HARSIL/1001/R1		