



SALENT FEATURES

1. DIVERSION TUNNEL

a) LENGTH	400m
b) DIAMETER	4m
c) DESIGN DISCHARGE	50 cumecs
2. DIVERSION STRUCTURE-GRAVITY DAM

a) FRL	EL. 2989.00m
b) WML	EL. 2989.00m
c) WDDL	EL. 2984.00m
d) RIVER BED LEVEL	EL. 2965.00m
e) TOP OF THE DAM	EL. 2991.00m
f) No. OF BAYS	3 X 12.5mX14m
g) SPILLWAY CREST	EL.2975.00m
h) DESIGN FLOOD	2500 cumecs
3. INTAKE

a) No. OF INTAKES	1
b) CAPACITY OF INTAKE	21.83 cumecs
4. DESLTING CHAMBER

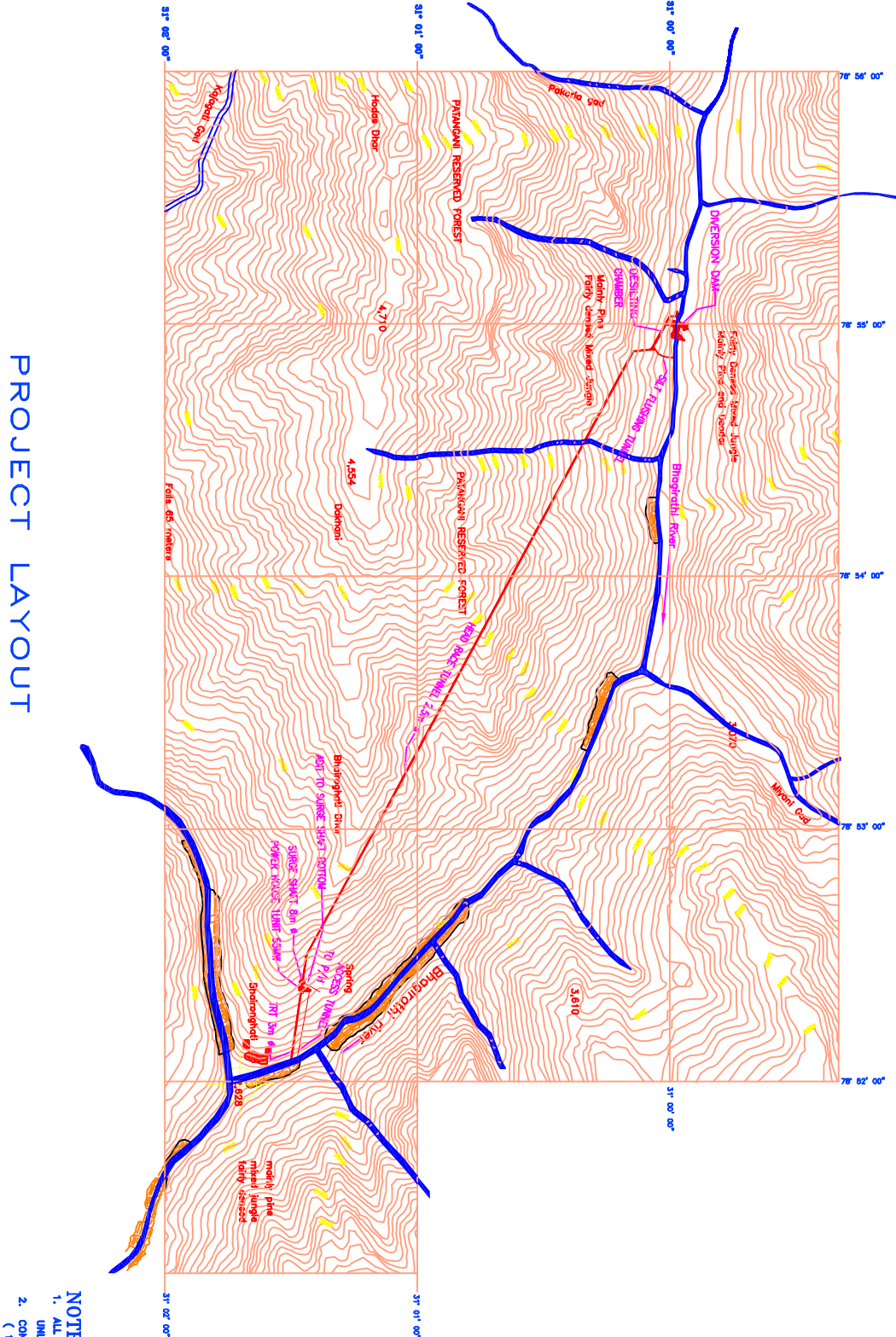
a) No. OF CHAMBERS	1
b) MINIMUM PARTICLE SIZE TO BE REMOVED	0.20mm AND ABOVE
c) SIZE OF CHAMBER	110mX6mX9m
5. HEAD RACE TUNNEL

a) LENGTH	5.20 kms.
b) DIAMETER	2.5m Ø D-SHAPED
c) DESIGN DISCHARGE	18.19 cumecs
6. SURGE SHAFT

a) DIAMETER	6.0m.
b) MAXIMUM SURGE LEVEL	EL.3013.00m.
c) MINIMUM SURGE LEVEL	EL.2935.00m
7. PRESSURE SHAFT

a) No.	1 NO.
b) DIAMETER	2.0m
c) INCANTION	VERTICAL
8. POWER HOUSE

a) TYPE	UNDERGROUND
b) INSTALLED CAPACITY	1 X 55 MW
c) MAXIMUM T.WL	EL. 2943.00m.
d) MINIMUM T.WL	EL. 2841.00m.



PROJECT LAYOUT

NOTES

1. ALL DIMENSIONS ARE IN mm. & ELEVATIONS ARE IN METRES
UNLESS OTHERWISE SPECIFIED.
2. CONTOURS ARE BASED ON S.O. TOPO SHEET NO. 53-I/13625 I/16
(1:50000 Scale)

CENTRAL ELECTRICITY AUTHORITY

PRE-FEASIBILITY REPORT

GANGOTRI H.E. PROJECT

CONSULTANTS:

WATER AND POWER
CONSULTANCY SERVICES (INDIA) LTD.

PROJECT LAYOUT PLAN

DRAWN BY:	DESIGN BY:	APPROVED BY:	SCALE
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