

SALIENT FEATURES:

1. **DIVERSION TUNNEL.**
 - a) LENGTH
 - b) DIAMETER
 - c) DESIGN DISCHARGE
 2. **DIVERSION STRUCTURE—GRAVITY DAM**
 - a) RILL
 - b) MWL
 - c) MDOL
 - d) RIVER BED LEVEL
 - e) TOP OF THE DAM
 - f) NO. OF BAYS
 - g) SPILLWAY CREST
 - h) DESIGN FLOOD
 3. **INTAKE**
 - a) NO. OF INTAKES
 - b) CAPACITY OF INTAKE
 4. **DESILTING CHAMBER**
 - a) NO. OF CHAMBER
 - b) SIZE OF CHAMBER
 - c) MINIMUM PARTICLE SIZE TO BE REMOVED
 5. **HEAD RACE TUNNEL.**
 - a) LENGTH
 - b) DIAMETER
 - c) DESIGN DISCHARGE
 6. **STORAGE SHAFT**
 - a) DIAMETER
 - b) MAXIMUM SURGE LEVEL
 - c) MINIMUM SURGE LEVEL
 7. **PRESSURISE SHAFT**
 - a) NO.
 - b) DIAMETER
 - c) INCLINATION
 8. **POWER HOUSE**
 - a) TYPE
 - b) INSTALLED CAPACITY
 - c) MAXIMUM T.W.L
 - d) MINIMUM T.W.L

240m	EL. 2864.50m	1	37.00 cumecs	4.5m.	8m	EL. 2864.50m	UNDERGROUND
5.0m	EL. 2864.50m	1		3.5m Horse Shoe	EL. 2802.00m.	2 X 27.5MW	
60.0cumecs	EL. 2864.00m	20mX3.5mX14m)	0.20m/s	30.5cumecs	EL. 2805.00m	EL. 2650.00m	
	EL. 2842.00m	AND ABOVE			1 NO.	2.60 m	
	EL. 2866.50m				VERTICAL	VERTICAL	
	4 (1.20mX1.5,0.0m)						
	EL. 2845.00m						
	5325 cumecs						

NOTES

1. ALL DIMENSIONS ARE IN mm. & ELEVATIONS ARE IN METRES UNLESS OTHERWISE SPECIFIED.
2. CONTOURS ARE BASED ON SOI TOPO SHEET NO. 53M/14 (1:50000 Scale)

CENTRAL ELECTRICITY AUTHORITY

PRE-FEASIBILITY REPORT MALARI JELAM H.E. PROJECT	CONSULTANTS: WATER AND POWER CONSULTANCY SERVICES (INDIA) LTD.
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PROJECT LAYOUT PLAN

DRAWN BY:	DESIGN BY:	APPROVED BY:	SCALE
CHAITAR SINGH			
GURDAR, HARYANA			
MAR. 2004	Dwg. NO. WAP / PFR/MALARI JEAM / 100 / R1		