

SALIENT FEATURES

Sl. No		
1	State	Madhya Pradesh
2	District	Dindori
3	Latitude	23° 00' 59" N
4	Longitude	80° 53' 03" E
5	River	Narmada
6	Location	93.5 km from Mandla and 14 km from Mandla-Dindori Highway.
7	Catchment area upto dam site	3228 Sq. km
8	Maximum annual rainfall (1926)	2212 mm
9	Minimum annual rainfall (1966)	682 mm
10	Average annual rainfall	1400 mm
11	Design flood (SPF)	22189 cumecs
12	Available runoff at Raghavpur	
i)	At 50% dependability	1412.6 MCM
ii)	At 75% dependability	872.5 MCM
iii)	At 90% dependability	728.3 MCM
13	RESERVOIR DATA	
i)	River Bed Level	612.00 m
ii)	Maximum water level	658.10 m
iii)	Full reservoir level	657.00 m
iv)	Dead storage level (MDDL)	645.58 m
v)	Water spread at FRL	4553 Ha
vi)	Gross storage at FRL	490.90 MCM
vii)	Dead storage (MDDL)	151.00 MCM
viii)	Live storage	339.90 MCM
ix)	Average tail water level	613.58 m

Sl. No		
14	DAM	
(A)	OVERFLOW DAM	
i)	Top of dam	661.00 m
ii)	Length of spillway	214.50 m
iii)	Crest level	640.00 m
iv)	Foundation drainage gallery level	611.00 m
v)	Maximum height from deepest bed level	55.50 m
vi)	No. & size of crest gates	11 gates of size 15 m x 17 m
vii)	Width of road on top of dam including parapets	7.5 m
(B)	NON OVERFLOW DAM	
i)	Top of dam	661.00 m
ii)	Length of non-overflow Dam	CFRD. Conc. Dam 129.70 m 144.5 m
iii)	Maximum height above foundation	49 m (Concrete Dam) 21 m (CFRD)
(C)	POWER DAM	
i)	Top of dam	661.00 m
ii)	Length of power dam	20 m
iii)	Maximum height above foundation	40.20 m
iv)	No. & size of penstocks	2 No.& 2.65 m dia.
v)	C/L level of penstocks at bell-mouth Intake	639.56 m
vi)	Maximum discharge	60 Cumecs
(D)	POWER GENERATION	
i)	No. & size of units to be installed	2 units of 10MW
ii)	Type of turbine	Francis
iii)	Installed capacity	2 X 10 MW
iv)	Gross Head	44.40 m
(E)	ESTIMATE OF COST	
i)	Land	115.74 crore

Raghavpur Hydro-Electric Project

Sl. No		
ii)	Composite Dam	118.91 crore
iii)	Power Plant and Civil Works	14.52 crore
iv)	Other Expenditures	92.83 crore
v)	Electrical Work	34.49 crore
vi)	Total cost chargeable to power (with IDC and expenditure for transmission work)	443.89 crore
vii)	Cost per MW of installed capacity	22.19 crore per MW
15	Levellised Tariff	Rs. 9.48 / KWh
16	Design Annual Energy Generation	64.14 GWh