

SALIENT FEATURES (RAGHAVPUR)

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	108 km from Mandla and 14 km from Mandla-Dindori Highway.
7	Catchment area upto dam site	3228 Sq. km
8	Land to be Acquired	4044 ha
9	Maximum annual rainfall (1926)	2212 mm
10	Minimum annual rainfall (1966)	682 mm
11	Average annual rainfall	1400 mm
12	Design flood (SPF)	22189 cumecs
13	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	655.40 m
iii)	Full reservoir level	654.00 m
iv)	Dead storage level (MDDL)	645.58 m
v)	Water spread at FRL	4020 Ha
vi)	Gross storage at FRL	255.07 MCM
vii)	Dead storage (MDDL)	72.23 MCM
viii)	Live storage	182.84 MCM
ix)	Average tail water level	613.58 m

Sl. No		
14	DAM	
(A)	OVERFLOW DAM	
i)	Top of dam	658.00 m
ii)	Length of spillway	190.50 m
iii)	Crest level	637.00 m
iv)	Foundation drainage gallery level	611.00 m
v)	Maximum height from deepest bed level	52.50 m
vi)	No. & size of crest gates	10 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	658.00 m
ii)	Length of non-overflow Dam	CFRD. Conc. Dam 118.50 m 138.5 m
iii)	Maximum height above foundation	46 m (Concrete Dam) 18 m (CFRD)
(C)	POWER DAM	
i)	Top of dam	658.00 m
ii)	Length of power dam	20 m
iii)	Maximum height above foundation	37.20 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 9 MW
ii)	Type of turbine	Francis
iii)	Installed capacity	18 MW
iv)	Gross Head	41.40 m
(E)	ESTIMATE OF COST	
a	Unit I (Head Works)	

Sl. No		
i)	Direct Charges	356.71 crore
ii)	Indirect Charges	5.51 crore
b	Unit II Hydroelectric Installation	
1)	Civil Works	18.31 crore
ii)	Electro mechanical equipments	34.5 crore
iii)	Transmission line	9.0 crores
	Total Cost	424.03 crores
14	Cost per MW of installed capacity (without IDC) chargeable towards hydroelectric installation	5.09 crores per MW
15	Levellised Tariff	Rs. 2.60/ KWh
16	Design Annual Energy Generation	56 GWh