

Area Calculation Sheet					
Details of Project Components For Sawalkote HE Project (Udhampur Division)					
SN	Description of Project Components	No	Dimensions		Area (M2)
			Length(M)	Width (M)	
1	Left bank construction Tunnel (LCAT)	1	1654.09	8.50	14059.77
2	Branch Access To U/S Coffe Dam Top	1	165.00	8.50	1402.50
3	Branch Access TO DAM AT EL.585 FOR CONC.Transport	1	60.00	8.50	510.00
4	BRANCH ACCESS TO D/S COFFER DAM TOP	1	75.00	6.50	487.50
5	BRANCH ACCESS TO PH CROWN	1	109.66	6.50	712.79
6	BRANCH ACCESS TO TRANSF.CAVERN CROWN	1	146.16	6.50	950.04
7	BRANCH ACCESS TO DAM FOR CONC. TRANSPORT AT EL 650	1	760.00	8.50	6460.00
8	BRANCH ACCESS TO TRT-3 GOC	1	132.51	6.50	861.32
9	CONSTRUCTION ACCESS FOR SURGE GALLERY	1	20.00	6.50	130.00
10	BRANCH & 2 OUTLET	1	1761.45	65.00	114494.25
11	CONSTRUCTION ADIT TO TRT	1	170.00	65.00	11050.00
12	HRT(2 Nos)	1	600.00	12.80	7680.00
13	SPIRAL TUNNEL AS PERMANENT ACCESS TUNNEL (PAT)	1	351.54	9.00	3163.86
14		1	1914.39	9.00	17229.51
15	BRANCH ACCESS TO DAM TOP	1	214.58	9.00	1931.22
16	BRANCH ACCESS TO CABLE CRANE PLATFORM	1	206.29	6.50	1340.89
17	BRANCH ACCESS TO HRT & PRESSURE SHAFT TOP	1	152.98	9.00	1376.82
18	BRANCH ACCESS TO HRT & PRESSURE SHAFT TOP	1	223.90	9.00	2015.10
19	CONNECTING TUNNEL TO DAM ACCESS AT EL.650	1	208.16	6.50	1353.04
20	CONNECTING TUNNEL TO DAM ACCESS TO LCAT	1	269.98	6.50	1754.87
21	BRANCH ACCESS TO PH SERVICE BAY (MAT)	1	390.58	9.00	3515.22
22	BRANCH ACCESS FROM TO PENSTOCK BOTTOM	1	608.80	10.00	6088.00
23	BRANCH ACCESS FROM TO DRAFT TUBE GOC	1	357.59	6.50	2324.34
24	BRANCH ACCESS FROM TO TRT BOTTOM	1	664.21	6.50	4317.37
25	BRANCH ACCESS FROM PAT TO DAM ABUTMENT GALLERY	1	321.76	5.00	1608.80
26	INDEPENDENT ACCESS TO POWER HOUSE FROM DAM TO ROAD	1	108.84	4.00	435.36
27		1	153.90	4.00	615.60
28		1	25.50	4.00	102.00
29	EMERGENCY ESCAPE TUNNEL (BETWEEN POWER HOUSE AND TRANSFORMER HALL)	1	46.00	4.00	184.00
30	GIB SHAFT AND GIB TUNNEL	1	136.90	6.50	889.85
31	Power House	1	218.00	23.00	5014.00
32	Switch Yard	1	270.00	50.00	13500.00
33	Transformer Cavern_1	1	211.00	15.00	3165.00
34	Transformer Cavern_2	1	56.00	15.00	840.00
35	Surge Arrangement_1	1	170.00	18.00	3060.00

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 Sawalkote HE Project (J&K)

36	Surge Arrangement_2	1	75.00	10.00	750.00
37	Surge Arrangement_3	1	85.00	18.00	1530.00
38	TRT_1	1	1743.00	10.80	18824.40
39	TRT_2	1	1720.00	10.80	18576.00
40	TRT_3	1	199.00	10.80	2149.20
41	TRT_4	1	1915.00	10.80	20682.00
42	Power Intake_1	1	679.75	8.00	5438.00
43	Power Intake_2	1	679.75	8.00	5438.00
44	Power Intake_3	1	681.25	8.00	5450.00
45	Surface Portals(21 Nos)	21	100.00	100.00	210000.00
46	Coffer Dam (D/s)	1	75.00	200.00	15000.00
47	Coffer Dam(U/s)	1	75.00	250.00	18750.00
48	Main Dam Components and Plunge Pool part	1	100.00	500.00	50000.00
49	Submergence Area				250000.00
	Sub-Total				857210.60
	Sub- Total in Hectares				85.72

Note : 189.75 Hecates total land requirement comprises of Project Comopnents as mentioned from Sr No 1 to 49 and land surrounding/enccompassing the said components and misc utilities.

(Signature)
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