

JAKEDA-TECHNICAL DATA SHEET

		KAHMIL	MAWAR-I	MAWAR-II	DRINGLA	SEWA-I
1	Minimum Drawdown level (MDDL)	EL. 2229.0 m	EL. 2359.0 m	EL. 2277.35 m	EL. 1161.9 m	EL. 1321.90 m
2	Normal Water Level (NWL) in Forebay/ Surge Tank/ Surge Shaft					
3	Gross Head	199 m	82.5 m	181.95 m	76 m	104 m
4	Net Head	182.67 m	79.07 m	175.02 m	72.47 m	99.57 m
5	Rated Head	182.67 m	-	172.33 m	-	-
6	Elevation of Turbine Runner Center Line	2030.89	EL 2277.39 m	EL. 2096.89 m	EL. 1085.0 m	EL 1217.0 m
7	Diameter of Penstock (ID)					
a	Upto Bifurcation from Forebay	1.7	1.7	1.7	2.7	2.2
b	Beyond Bifurcation upto Distributor	-	-	-	2.2	-
c	Diameter of Branch pipes feeding the Machines	1.2	1.2	1.2	1.6	1.6
8	Length of Penstock					
a	Total Length of main Penstock	6m	188 m	39 m	190 m	229 m
b	Branch Pipe Feeding Machine No. 1	16m	13 m	13 m	30 m	20 m
c	Branch Pipe Feeding Machine No. 2	25m	13 m	13 m	28 m	25.5 m
d	Branch Pipe Feeding Machine No. 3	-	-	-	34 m	-
9	High Flood level (HFL) at Diversion Weir site	EL. 2234.68 m	EL. 2364.5 m	-	EL. 1167.30 m	EL. 1327.0 m
10	High Flood level (HFL) at Power House Site	EL. 2032 m	EL. 2278.5 m	2097.6	EL.1087.0 m	EL. 1219.0 m
11	Rated Design Discharge	6.35 m ³ /s	6.66 m ³ /s	6.66 m ³ /s	16.2 m ³ /s	11.08 m ³ /s
12	Size of Tail Race Duct					
a	Width	5.64m(Top width), 2m (Bottom width)	5.74m (Top Width) & 2.1 m (Bottom Width)	5.74m (Top Width) & 2.1 m (Bottom Width)	5.26 m (Top Width) & 2 m (Bottom Width)	6m (Top Width) & 3 m (Bottom Width)
b	Height	1.5m	1.82 m	1.82 m	1.98 m	1.85 m
c	Water Level	EL. 2031 m	EL. 2277.5 m	EL. 2096.50 m	EL. 1087.0 m	EL. 1218.0 m
13	Length of Tail Race Duct	25m	150 m	169 m	18 m	140 m
14	Permissible Momentary Pressure Rise in	30%	30%	30%	30%	30%
15	Permissible Momentary Speed Rise of Machines	40%	40%	40%	40%	40%
16	CL of Penstock at Power house	EL. 2029.61 m	EL. 2276.11 m	EL. 2095.61 m	EL. 1083.72 m	EL. 1215.72 m
17	CL of Penstock at Bell Mouth of Forebay/ surge Tank / Surge Shaft	EL. 2228.5 m	EL. 2357.30 m	EL. 2274.0 m	EL. 1146.70 m	EL. 1302.75 m