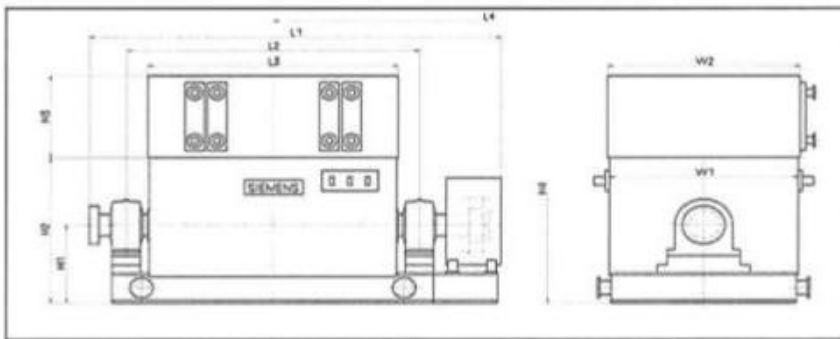


Annexure 1 (Technical Specification)

100MW Generator			
Sr.No	technical particular	Detail	Remark
1	Application	Steam turbine Generator	
2	Design standard	IEC-34	
3	Make	Siemens - Erfurt Germany	
4	MW	100MW	
5	MVA	117.65 MVA	
6	Voltage	11KV	
7	Pole	2 pole	
8	Speed	3000 RPM	
9	Frequency	50HZ	
10	Insulation class	F	
11	Temperature rise class	B	
12	Type of insulation	GVPI for stator and Rotor	
13	Winding Material for stator and Rotor	Copper	
14	power factor	0.85 lag	
15	TYPE OF CONSTRUCTION	IM 7215	
16	DEGREE OF PROTECTION	IP54	
17	Excitation	brushless excitation with PMG	
18	Type of cooler	CACW IC8A1W7(TEWAC)	
19	Cooler configuration	4 X 25%	
20	Cooler tube material	Copper	
21	Cooler fins material	Aluminium	
22	Cooler tube plate material	Nava\J Brass	
23	ROTOR COMPL. (WITH ECX.ROTOR) weight	31000 kg	
24	STATOR ACTIV PART+BASE FRAME weight	108000 kg	
25	BEARING/INTERMEDIATE FRAME weight	4400 kg	
26	COVER (SOUND ATTENUATION) weight	9000 kg	
27	COOLING ELEMENTS, COVER weight	5400 kg	
28	EXCITER (STATOR) weight	2500 kg	
29	ACCESSORIES; ANCHORING weight	1000 kg	
30	TOTAL WEIGHT	ca. 161300 kg	



Dimensions [mm]:

L1 =	8800	H1 =	1486
L2 =	6700	H2 =	3300
L3 =	6100	H3 ¹⁾ =	1400
W1 =	3500	W2 =	3600
L4 =	11500	H4 =	7000
for rotor withdrawal		crane hook height	