Form G 2.1

Plant Characteristics

Name of the Company	GIRAL LIGNITE POWER LIMITED, BARMER						
Name of the Power Station	GIRAL LIGNITE POWER LIMITED U#2						
Basic characteristics of the plant[1]	CIRCULATING FLUDISED BED COMBUSTION GENERATOR						
Special Features of the Plant							
Site Specific Features[2]	PIT HEAD GENERATION STATION						
Special Technological Features[3]							
Environmental Regulation related features[4]	ESP FOR SPM REGULATION AND LIME STONE FOR SOX REGULATION						
Any other special features							
Fuel Details[5]	Primary Fuel			Secondary Fuel		Alternate Fuels	
	LIGNITE			HFO/LDO/LIME			
Details	**Module number or Unit number**						
1	UNIT#2	3	4	5	6	7	& so on
Installed Capacity (IC)	125 MW						
Date of Commercial Operation (COD)	12.03.2011						
Type of cooling system[6]	CLOSED CKT						
Type of Boiler Feed Pump[7]	MOTOR DRIVEN						
Pressure (kg/cm2)	131						
Temperature 0C							
-At Superheater Outlet	540						
-At Reheater Outlet	540						
Guaranteed Design Heat rate (kCal/kWh)[8]	2483.9						
Conditions on which guaranteed							
% MCR							
% Makeup							
Design Fuel	LIGNITE						
Design cooling water Temperature							
Back Pressure							

[1] Describe the basic characteristics of the plant e.g. in the case of a coal based plant whehter it is a conventional steam generator or circulating fludized bed combustion generator or sub-critical once through steam generator etc.

[2] Any site specific feature such as Merry-Go-Round, Vicinity to sea, Intake /makeup water systems etc. scrubbers etc. Specify all such features.

[3] Any Special Technological feature like Advanced class FA technology in Gas Turbines, etc.

[4] Environmental regulation related features like FGD, ESP etc.

[5] Coal or natural gas or naptha or lignite etc.

[6] Closed circuit cooling, once through cooling, sea cooling etc.

[7] Motor driven, Steam turbine driven etc.

8 In case guaranteed unit heat rate is not available then furnish the guaranteed turbine cycle heat rate and guaranteed boiler efficiency separately along with condition of guarantee.