পঞ্জীভূক্ত নম্বৰ - ৭৬৮ /৯৭ Registered No.-768/97

অসম ৰাজপত্ৰ

सत्यमेव जयते

THE ASSAM GAZETTE

অসাধাৰণ

EXTRAORDINARY

প্ৰাপ্ত কৰ্ত্তৃত্বৰ দ্বাৰা প্ৰকাশিত

PUBLISHED BY THE AUTHORITY

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GOVERNMENT OF ASSAM

ORDERS BY THE GOVERNOR

ASSAM ELECTRICITY REGULATORY COMMISSION FURNISHING OF TECHNICAL DETAILS BY GENERATING COMPANIES REGULATIONS, 2012

NOTIFICATION

The 31st March, 2012

No. AERC.26/2012/. - In exercise of the powers conferred under section 181 read with Section 10(3a) of the Electricity Act, 2003 (36 of 2003) and all the powers enabling it in that behalf, the Assam Electricity Regulatory Commission hereby makes the following Regulations:-

REGULATIONS

1. Short Title, extent and Commencement

1.1. These Regulations may be called the "Assam Electricity Regulatory Commission (Furnishing of Technical Details by Generating Companies) Regulations, 2012".

1.2. These Regulations shall extend to the whole of State of Assam.

1.3. These Regulations shall come into force from the date of their publication in the Official Gazette of the Government of Assam.

2. Introduction

As per section 10(3a) of the Electricity Act, 2003, every generating company shall submit technical details regarding its generating stations to the appropriate Commission and Authority. In line with this, CERC has notified Regulations vide No. L-7/138/153/2008-CERC dated 14th October, 2009 namely, CERC (Furnishing of Technical Details by Generating Companies) Regulations, 2009.

Accordingly, Assam Electricity Regulatory Commission in line with the above procedure makes AERC (Furnishing of Technical Details by Generating Companies) Regulations, 2012 for necessary follow up by Thermal and Hydro generators of Power in the State of Assam. The Renewable Sources of Energy, namely Bio Mass, Biogas, Bagasse based Co-generation, Small Hydro, Solar PV, Solar Thermal Power Stations have also been covered under the said provisions.

3. Definitions

In these Regulations, unless the context otherwise requires –

i. "Act" means the Electricity Act, 2003 (36 of 2003);

ii. "Commission" means the Assam Electricity Regulatory Commission;

iii. "Generating Company" means any Company or body corporate or association or body of individuals, whether incorporated or not, or artificial juridical person, which owns or operates or maintains a Generating Station;

iv. "Generate" means to produce electricity from a Generating Station for the purpose of giving supply to any premises or enabling a supply to be so given. This also includes generation from renewable sources of energy;

v. "Generating Station" or "Station" means any Station for generating electricity, including any building and plant with Step-up Transformer, Switchgear, Switch yard, Cables or other appurtenant equipment, if any, used for that purpose and the site thereof; a site intended to be used for a Generating Station, and any building used for housing the operating staff of a Generating Station and where electricity is generated by water-power, includes Penstocks, Head and Tail works, Main and Regulating Reservoirs, Dams and other Hydraulic Works, but does not in any case include any Sub-station.

vi. The words and expressions used and not defined in these regulations but defined in the Act shall have the meanings assigned to them in the Act; expressions used herein but not specifically defined in these regulations or in the Act but defined under any law, passed by a competent legislature and applicable to the electricity industry in the State shall have the meaning assigned to them in such law; expressions used herein but not specifically defined in the regulations or in the Act or any law passed by a competent legislature shall have the meaning as is generally assigned to them in the electricity industry.

4. Submission of information

Every Generating Company which, on the date of commencement of these Regulations is operating or setting up a Generating Station referred to in clause (a) or clause (b) of sub-section (1) of Section 86 of the Electricity Act, 2003 (36 of 2003) shall furnish to the Commission, up-to-date details prescribed in the Forms A, B, C and D (i) to (v) appended

to these Regulations, as applicable to the type of the Generating Station, separately for each stage of the Generating Station owned by it, indicating the status as on 1st April of the year, by 30th April of every year along with soft copy of the such details.

Provided that in case of a Generating Company (other than renewable sources of energy) proposing to set up a Generating Station after commencement of these Regulations, the first report with the specified details shall be submitted at least three years before the projected Date of Commercial Operation of the first unit of the Generating Station, proposed to be set up by it.

Provided further that in case of renewable sources of energy Generating Station, details shall be furnished immediately on finalization but not later than six months prior to scheduled date of commissioning.

5. Power to remove difficulties

If any difficulty arises in giving effect to any of the provisions of these Regulations, the Commission may, by general or special order, do or undertake or direct the generating company to do or undertake things, which in the opinion of the Commission is necessary or expedient for the purpose of removing the difficulties.

6. Power to amend

The Commission may, at any time add, vary, alter, modify or amend any provisions of these Regulations.

7. Savings

7.1. Nothing in these Regulations shall be deemed to limit or otherwise affect the inherent power of the Commission to make such orders as may be necessary to meet the ends of justice or to prevent abuses of the process of the Commission.

7.2. Nothing in these Regulations shall bar the Commission from adopting, in conformity with the provisions of the Electricity Act 2003 (36 of 2003), a procedure, which is at variance with any of the provisions of these Regulations, if the Commission, in view of the special circumstances of a matter or class of matters and for reasons to be recorded in writing, deems it necessary or expedient for dealing with such a matter or class of matters.

7.3. Nothing in these Regulations shall, expressly or impliedly, bar the Commission dealing with any matter or exercising any power under the Electricity Act 2003 (36 of 2003) for which no Regulations have been framed, and the Commission may deal with such matters, powers and functions in a manner it thinks fit.

(By order of the Commission)

Secretary,
Assam Electricity Regulatory Commission

FORM - A

TECHNICAL DETAILS TO BE FILED BY THE GENERATING COMPANIES IN COMPLIANCE OF SUB-SECTION 3(a) OF SECTION 10 OF THE ELECTRICITY ACT, 2003

Coal Fired Thermal Generating Stations

1.	Name and address of the generating company		
2.	Name of the generating station		
3.	Location (District) of the generating station		
4.	Type	Coal	
5.	Installed capacity and configuration (number of units)		
(i)	Unit-I	MW	
(ii)	Unit-II	MW	
(iii)	……	MW	
(iv)	……	MW	
6.	Actual/expected dates of commercial operation, Unit-	**DD/MM/YYYY**	
(i)	Unit-I		
(ii)	Unit-II		
(iii)	……		
(iv)	……		
7.	Details of tied up beneficiaries/target beneficiaries/merchant capacity along with percentage share with reference to the installed capacity for each beneficiary/ category.		
(i)	Beneficiary-1	(%)	
(ii)	Beneficiary-2	(%)	
(iii)	……	(%)	
(iv)	……	(%)	
8.	Associated transmission system or proposed evacuation arrangement		

9.	Name of manufacturer:		
(i)	Steam generator		
(ii)	Steam/ gas turbine		
(iii)	Generator		
10.	Main fuel and Source	_____ Indigenous/imported	
(i)	Linked Mine		
(ii)	Mode of Transport	MGR/Rail/Road/Sea/Rail-cum-Sea	
11	Gross Calorific Value (GCV) of fuel used/to be used	(Kcal/Kg)	
12	Secondary Fuel used/proposed to be used	LSHS/HFO/HSD/others-specify	
13	Rated Main Steam Pressure at inlet to turbine	Kg/cm^2 (abs.)	
14	Rated Main Steam Temperature at inlet to turbine	Centigrade	
15	Rated Reheat Steam pressure at inlet to turbine	Kg/cm^2 (abs.)	
16	Rated Reheat Steam Temperature at inlet to	Centigrade	
17	Range of Design fuel specified		
(i)	Ash	(%)	Min. Max
1(ii)	Moisture	(%)	Min. Max
(iii)	Gross Calorific Value (GCV)	(Kcal/Kg)	Min. Max
(iv)	Volatile Matter (VM)	(%)	Min. Max
18	Guaranteed Turbine Cycle Heat Rate under reference conditions	(Kcal/Kwh)	
19	Reference conditions for Guaranteed Turbine Cycle		
(i)	Make up	(%)	
(ii)	MCR	(%)	
(iii)	Design inlet cooling water temperature	Centigrade	
20	Guaranteed boiler Efficiency (on GCV Basis)	(%)	

21	Reference fuel as specified for guaranteed Boiler efficiency		
(i)	Ash	(%)	
(ii)	Moisture	(%)	
(iii)	Gross Calorific Value (GCV)	(Kcal/Kg)	
(iv)	Volatile Matter (VM)	(%)	
22	Number and Type of Boiler Feed Pumps	Steam driven / Electrical driven	
23	Source of cooling water		
24	Type of cooling cycle used	Once Through / Close cycle	
25	Type of cooling Tower	Natural Draft / Induced Draft	
26	Guaranteed Gross Station Heat Rate	(Kcal/Kwh)	
27	Reference condition for Guaranteed Gross Station Heat Rate		

Note:

a)	Any other relevant information or any site specific information in respect of thermal generating station may also be furnished.
b)	"beneficiary" shall have the meaning as specified in Assam Electricity Regulatory Commission (Terms and Conditions for Determination of Generation Tariff) Regulation, 2006.
c)	"merchant capacity" means the quantum of power proposed to be sold, other than that sold through long-term power supply agreement;
d)	"Target beneficiary" means an agency who is likely to be entering into a long-term power purchase agreement with the generating company;
e)	"A soft copy of above details (Electronic form) shall also be furnished.

FORM - B

TECHNICAL DETAILS TO BE FILED BY THE GENERATING COMPANIES IN COMPLIANCE OF SUB-SECTION 3 OF SECTION 10 OF THE ELECTRICITY ACT, 2003

Gas/Liquid/Diesel Generating Stations

1.	Name of the generating company		
2.	Location (District and State) of the generating station		
3.	Type	Gas /Liquid fuel/Diesel	
4.	Installed capacity and configuration (number of units x MW) of existing/ under execution project :	(Capacity of GT and ST to be given separately)	
(i)	GT-I	MW	
(ii)	GT-II	MW	
(iii)	ST & Block-I	MW	
(iv)	……	MW	
5.	Actual/expected dates of commercial operation, Unit-wise	**DD/MM/YYYY**	
(i)	GT-I		
(ii)	GT-II		
(iii)	ST & Block-I		
(iv)	……		
6.	Details of tied up beneficiaries/target beneficiaries/merchant capacity along with percentage share with reference to the installed capacity for each beneficiary/ category.		
(i)	Beneficiary-1	(%)	
(ii)	Beneficiary-2	(%)	
(iii)	……	(%)	
(iv)	……	(%)	
7.	Associated transmission system or proposed evacuation arrangement		

8.	Name of manufacturer:		
(i)	Gas turbine		
(ii)	Steam turbine		
(iii)	Heat Recovery Steam Generator (HRSG)		
(ii)	Generator		
9.	Main fuel and Source	_____ Indigenous/imported	
(i)	Linked Source		
(ii)	Mode of Transport		
10.	Gross Calorific Value (GCV) of fuel used/to be used	Kcal/Scum or Kcal/litre	
11.	i) Alternate fuel (Specify)		
	ii) Gross Calorific Value (GCV) of alternate fuel	Kcal/Scum or Kcal/litre	
12.	Rated Gas Pressure at inlet to gas turbine	(abs.) Kg/cm2	
13.	Rated Temperature at inlet to gas turbine (tit)	Centigrade	
14.	Rated Steam pressure at inlet to steam turbine	(abs.) Kg/cm2	
15.	Rated Steam Temperature at inlet to steam turbine	Centigrade	
16.	Source of Cooling water		
17.	Type of Water Cooling Cycle used	Once Through /Closed cycle	
18.	Type of Cooling Tower	Natural Draft or Induced Draft	
19.	Guaranteed Gross Station Heat Rate		
(i)	Combined cycle mode	(Kcal./kWh)	
(ii)	Open cycle mode	(Kcal./kWh)	
20	Reference condition for Guaranteed Gross Station Heat Rate		
(i)	Make up	%	
(ii)	MCR	(%)	

(iii)	Design Inlet Cooling Water Temperature	Centigrade	
(iv)	Ambient Air Temperature	Centigrade	
(v)	Ambient Air Pressure	(kg/cm^2)	
(vi)	Relative Humidity	%	
21.	Specified Site Ambient Air Conditions:		
(i)	Temperature	Centigrade	
(ii)	Pressure	(kg/cm^2)	
(iii)	Humidity	Centigrade	

Note:

a)	Any other relevant information or any site specific information in respect of thermal generating station may also be furnished.
b)	"beneficiary" shall have the meaning as specified in Assam Electricity Regulatory Commission (Terms and Conditions for Determination of Generation Tariff) Regulation, 2006.
c)	"merchant capacity" means the quantum of power proposed to be sold, other than that sold through long-term power supply agreement;
d)	"Target beneficiary" means an agency who is likely to be entering into a long-term power purchase agreement with the generating company;
e)	"A soft copy of above details (Electronic form) shall also be furnished.

FORM - C

TECHNICAL DETAILS TO BE FILED BY THE GENERATING COMPANIES IN COMPLIANCE OF SUB-SECTION 3(a) OF SECTION 10 OF THE ELECTRICITY ACT, 2003

Hydro Electric Generating Stations

1.	Name and address of the generating company		
2.	Name of the generating station		
3.	Location (District) of the generating station		
4.	Type	Run of River/storage	
5.	Installed capacity and configuration (number of units)		
(i)	Unit-I	MW	
(ii)	Unit-II	MW	
(iii)	……	MW	
(iv)	……	MW	
6.	Actual/expected dates of commercial operation, Unit-	**DD/MM/YYYY**	
(i)	Unit-I		
(ii)	Unit-II		
(iii)	……		
(iv)	……		
7.	Details of tied up beneficiaries/target beneficiaries/merchant capacity along with percentage share with reference to the installed capacity for each beneficiary/ category		
(i)	Beneficiary-1	(%)	
(ii)	Beneficiary-2	(%)	
(iii)	……	(%)	
(iv)	……	(%)	
8.	Associated transmission system or proposed evacuation arrangement		

9.	Name of manufacturer:		
(i)	Turbine (Francis/Kaplan/Pelton)		
(ii)	Generator		
10	Design Energy (MU) (in different phases)	(MU)	
11	Average Head	(M)	
12	Rated Head	(M)	
13	Full Reservoir Level (FRL)	(M)	
14	Minimum Draw Down Level (MDDL)	(M)	
15	Variation in machine output at different levels between Full Reservoir Level and Minimum Draw Down Level	MW	
16	Design Silt Levels for desilting chamber:		
(i)	Maximum at inlet	(ppm)	
(ii)	Maximum at outlet	(ppm)	
17	Expected annual energy generation	(MU)	
18	Design guaranteed efficiency of turbine		

Note:

a)	Any other relevant information or any site specific information in respect of thermal generating station may also be furnished.
b)	"beneficiary" shall have the meaning as specified in Assam Electricity Regulatory Commission (Terms and Conditions for Determination of Generation Tariff) Regulation, 2006.
c)	"design energy" shall have the meaning as specified in Assam Electricity Regulatory Commission (Terms and Conditions for Determination of Generation Tariff) Regulation, 2006
d)	"merchant capacity" means the quantum of power proposed to be sold, other than that sold through long-term power supply agreement;
e)	"Target beneficiary" means an agency who is likely to be entering into a long-term power purchase agreement with the generating company;
f)	"A soft copy of above details (Electronic form) shall also be furnished.

FORM - D(i)

TECHNICAL DETAILS TO BE FILED BY THE GENERATING COMPANIES IN COMPLIANCE OF SUB-SECTION 3(a) OF SECTION 10 OF THE ELECTRICITY ACT, 2003

Renewable Sources of Energy Generating Stations (Generation from Wind Energy)

1.	Name and address of the generating company	
2.	Name of the generating station	
3.	Location of the generating station and District.	
4.	Installed capacity and configuration (number of units x MW) of existing / under execution project	MW
(i)		
(ii)	……	
5.	Actual/expected dates of commercial operation, Unit- wise :	DD/MM/YYYY
(i)		
(ii)	……	
6.	Energy Utilization (Sale to utility/Captive use/Third party sale)	
7.	Associated transmission system or proposed evacuation arrangement	
8.	Average wind speed (m/s)	
9.	Average Capacity Utilization Factor (%)	
10.	Details of the wind electric generators	
(i)	Name of manufacturer:	
(ii)	Kw Rating	
(iii)	Type of machine	Install / pitch regulated
(iv)	Type of generator	(low speed/high speed)
(v)	Rotor Diameter	(mtr)
(vi)	Hub height	(mtr)
11.	Total Actual yearly generation for the financial year as per following parameters	
(i)	Installed capacity	
(ii)	Total net generation exported to grid	
(iii)	Capacity Utilization Factor (%)	
(iv)	Average Machine availability (%)	
(v)	Average Grid availability (%)	
(vi)	Total Kvarh consumption as percentage of exported generation	

Note:

a)	Any other relevant information in respect of generating station may also be furnished.

FORM - D(ii)

TECHNICAL DETAILS TO BE FILED BY THE GENERATING COMPANIES IN COMPLIANCE OF SUB-SECTION 3(a) OF SECTION 10 OF THE ELECTRICITY ACT, 2003

Renewable Sources of Energy Generating Stations (Bio-mass/Biogas/Bagasse based co-generation)

1.	Name and address of the generating company		
2.	Name of the generating station		
3.	Location (District) of the generating station		
4.	Type of renewable sources of energy	Bio-mass/Biogas/co-generation/others (specify)	
5.	Installed capacity and configuration (number of units x MW) of existing/ under execution project		
(i)	Unit-I	MW/KW	
(ii)	Unit-II	MW/KW	
(iii)	……	MW/KW	
(iv)	……	MW/KW	
6.	Actual/expected dates of commercial operation, Unit-wise:	**DD/MM/YYYY**	
(i)	Unit-I		
(ii)	Unit-II		
(iii)	……		
(iv)	……		
7.	Details of tied up beneficiaries/target beneficiaries/merchant capacity along with percentage share with reference to the installed capacity for each beneficiary/ category. In case of captive use, capacity intended to be used for captive purpose may be indicated.		
(i)	Beneficiary-1	(%)	
(ii)	Beneficiary-2	(%)	
(iii)	……	(%)	
8.	Associated transmission system or proposed		

	evacuation arrangement		
9.	Name of manufacturer:		
10.	Main fuel and Source	_____	
11	Gross Calorific Value (GCV) of fuel used/to be used	(Kcal/Kg)	
12	Secondary Fuel used/proposed to be used		
13	Rated Main Steam Pressure at inlet to turbine	Kg/cm^2 (abs.)	
14	Rated Main Steam Temperature at inlet to turbine	Centigrade	
15	Design auxiliary power consumption as percentage of unit rating	%	
16	Design capacity at Generator Terminal	MW/KW	
17	Range of Design fuel specified		
(i)	Gross Calorific Value (GCV)	(Kcal/Kg)	Max. Min.
(ii)	Volatile Matter (VM)	(%)	Max. Min.
18	Guaranteed Turbine Cycle Heat Rate under reference conditions	(Kcal/Kwh)	
19	Reference conditions for Guaranteed Turbine Cycle		
(i)	Make up	(%)	
(ii)	MCR	(%)	
(iii)	Design inlet cooling water temperature Centigrade	Centigrade	
20	Guaranteed boiler Efficiency(on GCV Basis)	(%)	
21	Reference fuel as specified for guaranteed Boiler efficiency		
(i)	Ash	(%)	
(ii)	Moisture	(%)	
(iii)	Gross Calorific Value (GCV)	(Kcal/Kg)	
(iv)	Volatile Matter (VM)	(%)	
22	Source of cooling water		
23	Type of cooling cycle used	Once Through / Close cycle	
24	Type of cooling Tower	Natural Draft / Induced Draft	

Note:

a)	Any other relevant information or any site specific information in respect of thermal generating station may also be furnished.
b)	"beneficiary" shall have the meaning as specified in Assam Electricity Regulatory Commission (Terms and Conditions for Determination of Generation Tariff) Regulation, 2006.
c)	"merchant capacity" means the quantum of power proposed to be sold, other than that sold through long-term power supply agreement;
d)	"Target beneficiary" means an agency who is likely to be entering into a long-term power purchase agreement with the generating company;
e)	"A soft copy of above details (Electronic form) shall also be furnished.
f)	Some of the above information may not be applicable in respect of some category of generating units. Information as applicable may be provided.

FORM - D(iii)

TECHNICAL DETAILS TO BE FILED BY THE GENERATING COMPANIES IN COMPLIANCE OF SUB-SECTION 3(a) OF SECTION 10 OF THE ELECTRICITY ACT, 2003

Small Hydro Electric Generating Stations

1.	Name and address of the generating company		
2.	Name of the generating station		
3.	Location (District and State) of the generating station and name of the River.		
4.	Type	Run of River/storage	
5.	Installed capacity and configuration (number of units x MW) of existing/ under execution project :		
(i)	Unit-I	MW	
(ii)	Unit-II	MW	
(iii)	……	MW	
6.	Actual/expected dates of commercial operation, Unit-wise	**DD/MM/YYYY**	
(i)	Unit-I	MW	
(ii)	Unit-II	MW	
(iii)	……	MW	
7.	Details of tied up beneficiaries/target beneficiaries/merchant capacity along with percentage share with reference to the installed capacity for each beneficiary/ category		
(i)	Beneficiary-1	(%)	
(ii)	Beneficiary-2	(%)	
(iii)	……	(%)	
8.	Associated transmission system or proposed evacuation arrangement		
9.	Name of manufacturer:		
(i)	Turbine (Francis/Kaplan/Pelton)		

(ii)	Generator		
	Generator rated voltage		
10	Design Energy (Phase wise) (MU)	(MU)	
11	Gross/Average Head	(M)	
12	Rated Head	(M)	
13	Full Reservoir Level (FRL)	(M)	
14	Minimum Draw Down Level (MDDL)	(M)	
15	Total volume of the dam	(cu-mtr)	
16	Surge Shaft (Type/Diameter/Height)		
17	Variation in machine output at different levels between Full Reservoir Level and Minimum Draw Down Level	(MW)	
18	Design Silt Levels for de-silting chamber:		
(i)	Maximum at inlet	(ppm)	
(ii)	Maximum at outlet	(ppm)	
19	Expected annual energy generation	(MU)	
20	Design guaranteed efficiency of turbine (%)		

Note:

a)	Any other relevant information or any site specific information in respect of thermal generating station may also be furnished.
b)	"beneficiary" shall have the meaning as specified in Assam Electricity Regulatory Commission (Terms and Conditions for Determination of Generation Tariff) Regulation, 2006.
c)	"design energy" shall have the meaning as specified in Assam Electricity Regulatory Commission (Terms and Conditions for Determination of Generation Tariff) Regulation, 2006
d)	"merchant capacity" means the quantum of power proposed to be sold, other than that sold through long-term power supply agreement;
e)	"Target beneficiary" means an agency who is likely to be entering into a long-term power purchase agreement with the generating company;

FORM - D(iv)

TECHNICAL DETAILS TO BE FILED BY THE GENERATING COMPANIES IN COMPLIANCE OF SUB-SECTION 3(a) OF SECTION 10 OF THE ELECTRICITY ACT, 2003

Solar PV Power Generating Stations

1.	Name and address of the generating company	
2.	Name of the generating station	
3.	Location (District and State) of the generating Station.	
4.	Type or Technology used	
5.	Installed capacity and configuration (number of units x MW) of existing/ under execution project :	
(i)	Unit-I	
(ii)	Unit-II	
(iii)	……	
6.	Actual/expected dates of commercial operation, Unit-wise	
(i)	Unit-I	
(ii)	Unit-II	
(iii)	……	
7.	Energy Utilization (Sale to utility/Captive use/Third party sale)	
8.	Associated transmission system or proposed evacuation arrangement	
9.	Total land area in acre.	
10	Annual effective sun shine hours	
11	Power Output (Watt/mtr sq.)	
12	Estimated Annual generation (MU's)	
13	No. of modules	
(i)	No. of modules in series	

(ii)	No. of parallel combination	
14	PV Module type	
15	Physical dimensions	
(i)	Length of PV module (mm)	
(ii)	Width of PV module (mm)	
(iii)	Thickness of PV module (mm)	
16	Rotational angle Max. Min.	
17	Operating temp. range	
18	Estimated Project Cost (Rs. Cr.)	

Note:

a)	Any other relevant information in respect of generating station may also be furnished.

FORM - D(v)

TECHNICAL DETAILS TO BE FILED BY THE GENERATING COMPANIES IN COMPLIANCE OF SUB-SECTION 3(a) OF SECTION 10 OF THE ELECTRICITY ACT, 2003

Solar Thermal Power Generating Stations

1.	Name and address of the generating company	
2.	Name of the generating station	
3.	Location (District and State) of the generating Station.	
4.	Type	
5.	Installed capacity and configuration (number of units x MW) of existing/ under execution project :	
(i)	Unit-I	
(ii)	Unit-II	
(iii)	……	
6.	Actual/expected dates of commercial operation, Unit-wise	
(i)	Unit-I	
(ii)	Unit-II	
(iii)	……	
7.	Energy Utilization (Sale to utility/Captive use/Third party sale)	
8.	Associated transmission system or proposed evacuation arrangement	
9.	Total land area in acre.	
10	Annual effective sun shine hours	
11	Power Output (Watt/mtr sq.)	
12	Estimated Annual generation (MU's)	
13	Capacity Utilisation Factor (%)	
14	Estimated Project Cost (Rs. Cr.)	

15	Technical details	
(i)	Technology used	Concentrated solar power (CSP) technologies / line focusing /point focusing,
(ii)	Details of other major equipments	
(a)		
(b)		
(c)		
(d)		
(e)		

Note:

a)	Any other relevant information in respect of generating station may also be furnished.

(By order of the Commission)

GAURI REGON,
Secretary,
Assam Electricity Regulatory Commission

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