

101	THE GAZETTE OF INDIA: EXTRAORDINARY [PART III – SEC.4]
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CENTRAL ELECTRICITY AUTHORITY

NOTIFICATION

New Delhi, the 10th April, 2007

F.No. CEA/PLG/LF/9/40/07. –Whereas the draft of the Central Electricity Authority (Furnishing of Statistics, Returns and Information) Regulations, 2006 were published, as required by Sub-section (3) of Section 177 of the Electricity Act, 2003 (36 of 2003), read with rule 3 of the Electricity (Procedure for Previous Publication) Rules, 2005;

Now, therefore, in exercise of the powers conferred by Section 177, read with Section 74 and clause (i) of Section 73 of the Electricity Act, 2003, the Central Electricity Authority hereby Makes the following regulations, namely:-

CENTRAL ELECTRICITY AUTHORITY (FURNISHING OF STATISTICS, RETURNS AND INFORMATION) REGULATIONS, 2007.

1.	Short title and commencement - (1) These regulations may be called the
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Central Electricity Authority (Furnishing of Statistics, Returns and Information) Regulations, 2007.

2. Definitions - unless the context otherwise requires, in these regulations,-

(1) “Act” means the Electricity Act, 2003 (36 of 2003);

(2) “Voltage” means the difference of electric potential measured in volts, between any two conductors or between any part of either conductor and the earth as measured by a suitable

voltmeter and is said to be –

(a) “high voltage” where the voltage exceeds 650 volts but does not exceed 33000 volts under normal condition; and

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(b) “extra high voltage” where the voltage exceeds 33000 volts under normal condition;

(3) All other words and expressions used and not defined in these regulations but defined in the Act shall have the meanings respectively assigned to them in the Act.

3. Applicability of the regulations - These regulations shall be applicable to all the licensees, generating companies, person(s) generating electricity for its or his own use and person(s) engaged in generation, transmission, distribution, trading and utilization of electricity.

4. Sources of statistics, returns and information - All licensees, generating companies and person(s) mentioned below, but not limited to, shall furnish to the Authority such statistics, returns or other information relating to generation, transmission, distribution, trading and utilization of electricity at such times and in such form and manner as specified under these regulations-

(1) Licensees

(i) Transmission Licensees;

(ii) Distribution Licensees;

(iii) Trading Licensees;

(iv)

Central Transmission Utility; (v) State Transmission Utilities;

(vi) Appropriate Governments who are responsible for transmitting, distributing or trading of electricity;

(vii) Damodar Valley Corporation established under sub-section (1) of section 3 of the Damodar Valley Corporation Act, 1948 (14 of 1948); (viii) Any person engaged in the business of transmission or supply of electricity under the provisions of the repealed laws or any act specified in the Schedule;

(ix) Any person who intends to generate and distribute electricity in a rural area as notified by the State Government;

(x) State Electricity Boards;

(xi) Local authorities including Cantonment Boards;

(xii) Deemed licensees and entities exempted from licence.

(xiii) Bhakra Beas Management Board.

(2) Generating companies

(i) Generating companies established by appropriate Governments; (ii) Independent Power Producers;

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(iii) Appropriate Governments responsible for generating electricity; (iv) Bhakra Beas Management Board;

(v) Any person engaged in the business of generating electricity under the provisions of the repealed laws or any act specified in the Schedule; (vi) Damodar Valley Corporation.

(3) Person(s) generating electricity for own use:

(i) All captive power producers;

(ii) Any other person including Co-operative Society, Association of persons, body of individuals, etc. engaged in generating electricity for its or his own use.

(4) Other entities

(i) National Load Despatch Centre;

(ii) Regional Load Despatch Centre(s);

(iii) State Load Despatch Centre(s);

(iv)

Regional Power Committee(s); (v) High voltage or extra high voltage consumers of electricity.

5. Formats for furnishing of statistics, returns or information - The entities shall furnish the statistics, returns and information as per the formats annexed to these regulations and the list of format is as per Annexure-I titled "List of formats, frequency (ies) and target date(s)". These formats can also be obtained from the website of the Central Electricity Authority. The formats may be sent by mail or media, to the source (s) of the statistics, returns or information, as and when required.

6. Time schedule for furnishing of statistics, returns or information - The time schedule or targets for furnishing of statistics, returns or information shall be as specified by the Authority on its prescribed formats. A consolidated list of time Schedule format-wise is given at Annexure-I titled "List of formats, frequency (ies) and target date (s)".

7. Frequency of submission of statistics, returns or information - The frequency of submission i.e. daily, weekly, monthly, quarterly or annually shall be as specified by the Authority in its prescribed formats. A consolidated list of frequency of submission format-wise is given in Annexure-I titled "List of formats, frequency (ies) and target date(s)".

8. Manner of furnishing the statistics, returns or information - (1) The statistics, returns or information in the prescribed formats shall be furnished to the Authority preferably electronically or by post or courier or fax.

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(2) The entities shall supply complete and correct statistics, returns and information to the Authority.

(3) Any provisional data supplied by the entities shall be finalized and furnished within the period communicated by the Authority.

9. Addition and deletion in formats, time schedule, periodicity or furnishing method - (1) The Authority may revise format(s), time schedule(s), frequency (ies) or manner of furnishing the data or may add or delete format(s) as and when necessary to carry out its functions under clause (i) of section 73 of the Electricity Act, 2003.

(2) The Authority shall, before making change(s) in the format(s), time schedule(s), frequency (ies), data furnishing manner or addition or deletion of format(s) prescribed by the Authority under regulation 5 shall place a draft of changes in format(s) in the website of the Central Electricity Authority for the information of persons likely to be affected thereby. A notice in this regard inviting objections or suggestions shall be published in the widely circulated daily news papers specifying the date of expiry of the notice period which shall not be less than thirty days, on or after which the proposed changes will be taken into consideration by the Authority. The Authority shall consider the objections or suggestions received on or before the date so specified, from any person in respect of the proposed addition or deletion or changes in the format (s). After revision (s) / change (s) and completion of above procedure, the format (s) shall be notified by the Authority.

10. Right of access to records or documents - The Authority or any person authorized by it in writing on its behalf shall, for the purposes of the collection of any statistics under these regulations, have access to any relevant record or document in the possession of any person required to furnish any information or return under these regulations and may enter at any reasonable time any premises where he believes such record or documents to be available and may inspect or take copies of relevant records or documents or ask any question necessary for obtaining any information required to be furnished under these regulations.

11. Restriction on publication of information and returns - (1) No information, no individual return and no part thereof with respect to any particular industrial or commercial concern, given for the purposes of these regulations

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shall, without the previous consent in writing of the owner for the time being of the industrial or commercial concern in relation to which the information revealing the commercial and technical confidentiality, be published in such manner as would enable any particulars to be identified as referring to a particular concern.

(2) Except for the purposes of these regulations, no person who is not engaged in the collection of statistics under these regulations shall be permitted to see any information or individual return referred to in sub-section (1).

12. Non-compliance and penalty - (1) If any person, -

(a) required to furnish any information or return-

(i) Willfully refuses or without lawful excuse neglects to furnish such information or return as may be required under these regulations; or

(ii) Willfully furnishes or causes to be furnished any information or return which he knows to be false; or

(iii) refuses to answer or willfully gives a false answer to any question necessary for obtaining any information required to be furnished under these regulations;

OR

(b) impedes the right of access to relevant records or documents or the right of entry conferred by these regulations,

shall attract the relevant provisions under section 142 and 146 of the Act.

(2) No proceeding for an offence under these regulations shall be initiated except by or with the approval of the Authority.

B.K. MISHRA, Secy.

[ADVT 111/1V/186 B/2007/Exty.]

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ANNEXURE-I

LIST OF FORMATS, FREQUENCY (IES) AND TARGET DATE (S)			
Title of Format	Frequency of data furnishing	Format No.	Target Date (By)

Generation of Electricity	Annual	1	30-Jun
Transmission of Electricity	Annual	2	30-Jun
Distribution of Electricity	Annual	3	30-Jun
Trading of Electricity	Annual	4	30-Jun
Details of actual sale and purchase of Gross Electrical Energy	Annual	5	30-Jun
Installed Electricity Generating Capacity	Annual	6	30-Jun
Details of electricity generating capacity added	Annual	7	30-Jun
Details of electricity generating sets retired from service	Annual	8	30-Jun
Details of derations of electricity generating sets	Annual	9	30-Jun
Details of fuel consumption	Annual	10	30-Jun
Details of step-up transformers in service at the power stations and various sub-stations as on 31.03.20..	Annual	11	30-Jun
Details of step-down transformers in service as on 31.03.20..	Annual	12	30-Jun
Details of distribution transformers in service as on 31.03.20..	Annual	13	30-Jun
Details of transmission and distribution lines as on 31.03.20..	Annual	14	30-Jun
Details of electricity consumers, connected load and consumption	Annual	15	30-Jun
Details of manpower	Annual	16	30-Jun
Training Facilities/Training Capacity in the Power Sector (Man-days of year)	Annual	17	30-Jun
Details of theft of electricity	Annual	18	30-Jun
Statistics on electrical accidents	Annual	19	30-Jun
Reasons for electrical accidents	Annual	20	30-Jun

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Title of Format	Frequency of data furnishing	Format No.	Target Date (By)
Annual data of HV/EHV industry having electricity demand of 1 MW or above	Annual	21	30-Jun
Daily Operational Data of Thermal Power Stations and Nuclear Power Stations	Daily	22	1030 hrs
Daily Operational Data of Hydro Power Stations	Daily	23	1030 hrs
Monthly Operational Data of Thermal Power Stations and Nuclear Power Stations	Monthly	24	7th day
Monthly Operational Data of Hydro Power Stations	Monthly	25	7th day
Data for fixation of annual targets of electricity generation for year 20--- 20---	Annual	26	30-Nov
Regional Power Supply Position (Daily Operation Report)	Daily	27	0900 hrs
Provisional Power Supply Position	Monthly	28	5th day
Revised Power Supply Position	Monthly	29	18th day
Daily data regarding loss of generation on account of shortage of coal, gas and unrequisioned liquid fired capacity	Daily	30	0900 hrs
Monthly Data regarding Loss of Generation on account of shortage of coal, gas, unrequisioned liquid fired capacity & backing down due to system constraints	Monthly	31	10th day

Data for load generation balance report (LGBR)	Annual	32	End February
Unscheduled Interchange (UI) Status	Monthly	33	10th day
Details of Power Traded by the Trading Company	Monthly	34	10th day
Progress of capacitor installation programme	Monthly	35	20th day
Daily Coal Report	Daily	36	1500hrs.
Coal Report	Monthly	37	15th day
Generation Loss due to fuel shortage	Monthly	38	7th day
Report of Monthly Average Ash percentage	Monthly	39	7th day
Report of Quarterly/Annual Average Ash Percentage (by weight) in coal received	Quarterly	40	30th day after the end of quarter

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Title of Format	Frequency of data furnishing	Format No.	Target Date (By)
Proposed Coal Allocation for Short Term Linkages for Thermal Power Stations	Quarterly	41	40 days before the commencement of the quarter
Monthly Fuel Supply Data of Gas Based Thermal Power Stations	Monthly	42	15th day
Monthly Fuel Supply Data of Liquid Fuel Based Thermal Power Stations	Monthly	43	15th day
Monthly Fuel Supply Data of DG Power Stations	Monthly	44	15th day
Fuel-Oil Data	Monthly	45	15th day
Status of Progress of Villages Electrification and Irrigation Pump sets Energisation	Monthly	46	3rd day
District wise status of progress of village electrification and energisation of Pump sets	Monthly	47	3rd day
District wise Monthly Progress of Inhabited Village Electrification	Monthly	48	3rd day
District-Wise Monthly Progress of Energisation of Irrigation Pump sets	Monthly	49	3rd day
Villages electrified in various population groups and the population covered as on.....	Monthly	50	3rd day
Metering Status for the Month-----year-----	Monthly	51	3rd day
Details of Failure of Distribution & Power Transformers in the Month---,Year 20-----	Monthly	52	3rd day
Reliability Index at Customer Level for the Month-----,year-----	Monthly	53	3rd day
Reliability Indices(11KV Feeders) for the Month-----,Year-----	Monthly	54	3rd day
Financial Turn Around of Power Distribution for the Financial Year---	Annual	55	30th April
Aggregate Technical & Commercial (A T & C) Losses for the Financial Year-----	Annual	56	30th April
Fuel Data of Fossil Fuel Based Thermal Power Stations for the month-----20----	Monthly	57	20th day
Heat Rate Data of Coal/Lignite Based Thermal Power Stations for Month-----Year	Monthly	58	20th day
Heat Rate Data of Combined Cycle Gas Turbine Power Stations for Month----- 20-----	Monthly	59	20th day
Monthly Environmental Data of Thermal Power Plants	Monthly	60	20th day

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Form- Licensees/Elec.

at No. GencoTranscoDiscomTraders Deptts. RLDCsSLDCsRPCsCPPs/ Industries

61 Y Y

62 Y Y

63 Y Y

Study 64 Y Y

Utilisation 65 Y Y

Note: If certain items of a format are not applicable to an Entity, then 'Not Applicable' may be marked at appropriate places.

FORMAT-1

PERIODICITY-ANNUAL

DATA OF YEAR 20.....20....

Submission by 30th June GENERATION OF ELECTRICITY

NAME AND ADDRESS OF UTILITY:

Sl. No.	Name of Power Station	Type of Prime-mover*	Installed Capacity of Power Station as at year end			Gross Electricity Generation in MWh	Electricity Consumption in Unit & Stn. Auxiliaries in MWh
			Nos. of Units	Unit Size in MW	Stn. Capacity in MW		
(A)	Owned by the Utility						
1	1Station-1						
2	2Station-2						
3	3Station-3						
4	4Station-4						
(B)	Jointly Owned by the Utility (in respect of its share)						
1	1Station-1						
2	2Station-2						

*Hydro turbine, Steam turbine (Coal), Steam turbine (Lignite), Steam turbine (Multifuel), Gas turbine, Diesel engine, Wind turbine, etc.

FORMAT-2

PERIODICITY- ANNUAL

DATA OF YEAR: 20...20....

SUBMISSION-BY 30th JUNE

TRANSMISSION OF ELECTRICITY

Figs. in MWh **Name & Address of State Transmission Utility/SEB/ED:**

1.	Electrical Energy imported from :		
	(a)	Within the State/UT/System – (i) State/Pvt/Jt. Power Stations (ii) Captive Power Plants (CPPs)	

	(b)	Central Generating Stations (Station-wise)									
	(c)	Outside the State/UT/System (i) Utilities – State/Pvt.(Name-wise) – Jt.(Name-wise)									
	(d)	Outside the country									
2.	Total Electrical Energy Imported (1a+1b+1c+1d)										
3.	Electrical Energy exported to :										
	(a)	Licensees within the State/UT/System: (furnish break-up licensee wise)									
	(b)	<table border="1"> <tr> <td>Other</td> <td>State</td> <td>Electricity</td> <td>Boards/Electricity</td> <td>Departments</td> </tr> </table> (Outside the State/System but within the country)-give break-up entity wise				Other	State	Electricity	Boards/Electricity	Departments	
Other	State	Electricity	Boards/Electricity	Departments							
	(c)	Outside the country									
	(d)	Any other entity within the State/UT/System- give break-up entity wise									
4.	Total electrical energy exported (3a+3b+3c+3d)										
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FORMAT-3

PERIODICITY- ANNUAL

DATA OF YEAR : 20...20...

SUBMISSION-BY 30TH JUNE

DISTRIBUTION OF ELECTRICITY

Figs. in MkWh

Name & Address of the DISCOM/SEB/ED/Licensee :

1.	Electrical Energy imported from :					
	(a)	Within the State/UT/System				
	(b)	Captive power plants(from within or outside the State/UT/System)				
	(c)	Central generating stations (Station-wise)				
	(d)	Outside the State/UT/System(from within the country)				
	(e)	Outside the country				
2.	Total Electrical Energy Imported (1a+1b+1c+1d+1e)					
3.	Electrical Energy sold to :					
	(a)	Directly to consumers within the State/UT/System(Area of operation)				
	(b)	Licensees within the State/UT/system- furnish break-up licensee wise				
	(c)	Any other entity within the State/UT/System-furnish break-up entity wise				
4.	Total electrical energy sold (3a+3b+3c)					
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FORMAT-4

PERIODICITY- ANNUAL

DATA OF YEAR 20.... 20....

SUBMISSION-BY 30TH JUNE

TRADING OF ELECTRICITY

Figs. in MkWh **Name & Address of the TRADING COMPANY**

Category of Licence:

1.	Electrical Energy purchased from :		
	(a)	State/Private./Joint Utility Power Stations (Station name-wise)	
	(b)	Captive power plants (Name-wise)	
	(c)	Central Generating Stations (Name-wise)	
	(d)	Outside the country (Name-wise)	
2.	Total electrical energy purchased (1a+1b+1c+1d)		
3.	Electrical Energy sold to :		
	(a)	Licensees (Licensee name-wise)	
	(b)	Outside the country (Name-wise)	
	(c)	Any other entity (Entity name-wise)	
4.	Total electrical energy sold (3a+3b+3c+)		

Note: Please furnish break-up of each of above for round the clock, off peak, peak and as & when required trading.

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FORMAT-5

Periodicity-Annual

Data of year 20-- 20---

Submission by -30thJune

DETAILS OF ACTUAL SALE AND PURCHASE OF GROSS ELECTRICAL ENERGY

Figures in MkWh

Name of Utility/Licensee:

Name of Utility/Non- SALES PURCHASES REMARKS, IF ANY Utility/Entity (To whom (MkWh) (MkWh)

Sold /from
whom purchased)

Note :-	(i)	Gross energy sale/purchase may be indicated utility/non-utility name-wise clearly & separately in this table.
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(ii) Purchase of energy from captive power plant if any, may also be indicated.

(iii) Details of energy sold to licensees may be indicated Licensee-name wise.

(iv) Wheeling of energy should not be included in the above data.

(v) Energy imported/exported from /to Central Generating Stations may be given separately for each Power House.

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FORMAT-6 Periodicity-Annual Data of year 20--- 20--- Submission by—30th June INSTALLED ELECTRICITY GENERATING CAPACITY

Figs. in MW Name and address of the Utility:

Sl. No. Type of **AS AT THE BEGINNING** New Change in Capacity

Prime mover **OF THE YEAR** Capacity capacity Retired **AT THE END OF THE YEAR** (Fuel base) Installed Re-rated added during the during the Installed Re-rated

Remarks Capacity Capacity (I.C) year due to year Capacity Capacity if any Re-ration*

1. Hydro Turbine

2. Steam Turbine

Coal -

Lignite –

Gas/ Multifuel

3.Diesel Engine

4.Gas Turbine

5.Nuclear

6.Wind Turbine

7.Solar

8.Others, if any

I.C = Installed

Capacity

* Use (+) if due to up ration or (-) if due to deration.

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FORMAT-7

Periodicity-Annual

Data of year 20---- 20---

Submission by -30th June

DETAILS OF ELECTRICITY GENERATING CAPACITY ADDED

Name and address of the GENCO/Utility:

Sl. Name of Power Unit size Type of **MAKE** _____ Date of No. House in MW Prime mover Boiler Turbine Generator Commissioning (Fuel base)

Note: - The

details of each unit are to be furnished in this format. Indicate primary fuel within brackets along with type of prime-mover.

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FORMAT-8

Periodicity-Annual

Data of year 20--- 20---

Submission by- 30th June

DETAILS OF ELECTRICITY GENERATING SETS RETIRED FROM SERVICE

Name and address of the GENCO/Utility:

Sl. Name of the Unit size Type of Date of Date of Reason(s) for No. Power House in MW Prime mover Commissioning Retirement Retirement

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FORMAT-9

Periodicity-Annual

Data of year 20--- 20---

Submission by 30th June

DETAILS OF DERATIONS OF ELECTRICITY GENERATING SETS

Name and address of the GENCO/Utility :

Sl. . Name of the Unit No. Date Type of Rated Derated Date Reason(s)

No. Power House of Prime mover Capacity (I.C) capacity of for

Commissioning (MW) (MW) Deration Deration

I.C. = Installed Capacity

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FORMAT-10

Periodicity-Annual

Data of year 20--- 20---

Submission by -30th June

DETAILS OF FUEL CONSUMPTION

Name of the GENCO/Utility:

Sl. . Name of Fuel F U E L C O N S U M E D Kilo calories Overall No. Power House Name Qty. used Average Calorific value in per unit Thermal mt /kl / kilo calories per kg./litre generated Efficiency MMSCM

Note :- - Fuel consumption

details regarding Gas/Diesel stations are to be shown separately.

-Give details of all primary & secondary fuels consumed during the year.

-mt = Metric Tonne

-kl = Kilo Litre

-MMSCM = Million Metric Standard Cubic Metre

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FORMAT-11**Periodicity-Annual****Data of year 20--- 20---****Submission by -30th June****DETAILS OF STEP-UP TRANSFORMERS IN SERVICE AT THE POWER STATIONS AND VARIOUS SUB-STATIONS AS ON 31-03-20..****Name of the Utility/Entity :**

Sl. . Name of Voltage Voltage Different No(s). in Aggregate No. Power House No. of Class* in use Ratio in use Capacity in use each capacity capacity or Transformers (kVA) size (kVA) Sub-station

TOTAL

* State if voltage class is 400 kV,220kV,132kV,110kV,78kV,66kV,33kV,22kV,13.2kV,11kV,6.6kV,4.4kV,3.3kV and other voltage if any. Note: - Power House/Sub-stations to be designated by the highest voltage that exists in the station.

Please ensure that only details of step-up transformers are indicated in this proforma.

Please indicate aggregate capacity along with total no. of transformers.

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FORMAT-12**Periodicity-Annual****Data of year 20--- 20---****Submission by 30th June****DETAILS OF STEP-DOWN TRANSFORMERS * IN SERVICE AS ON 31-03-20.....****Name of the Undertaking**

Sl. . Voltage S T E P D O W N T R A N S F O R M E R S Aggregate No. Class Total No. of Different Different Capacities No. in each Total No. of Transformers capacity Sub-stations Voltage - in use (kVA) capacity-size (kVA) ratio in use

1. 400 kV
2. 220 kV
3. 132/110 kV
4. 78/66 kV
5. 44/33 kV
6. 22 kV
7. 13.2 kV
8. 11 kV
9. 6.6 kV
10. 4.4 kV
11. 3.3 kV
12. Any other (specify)

TOTAL

(*) Secondary voltage above 500 volts.

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FORMAT-13**Periodicity-Annual****Data of year 20--- 20---****Submission by -30th June****DETAILS OF DISTRIBUTION TRANSFORMERS * IN SERVICE AS ON 31-03-20..****Name of the Utility/Non-Utility/Entity:**

Sl. . Voltage Class Voltage Ratio Total No. Different capacities No. in each Aggregate No. of transformers in use (kVA) capacity size capacity (kVA)

Total :

* Secondary voltage below 500 Volts.

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9.	FORMAT-14 Periodicity-
10.	Annual Data of year 20---
11.	20--- Submission by -30th
12.	June
13.	
14.	
15.	

16.
17.
18
19
* Direct current
66 kV
33 kV
22 kV
11 kV
6.6 kV
4.4 kV
3.3 kV
2.2 kV
440/230 V, 3
phase, single
phase if available

lines (volts)
Any other
(specify)

						TH	E G	AZ	ET	TE	OF	IND	IA	: E	TR	AO	RD	INARY		
	D	ETA Le Single Ckt	IL ngth beg	S of inn	OF line ing ou Ck	TR in of ble t	A km the	NS a yea	MI t the r lti	SS Ckt	IO	N L	AN eng gle	D th o in Ckt	DI f lin km	ST e a at	RI dde the oub Ckt	BUTIO d during beginni	N LI the ye ng ulti C	NES ar
								Mu			*	Sin				D		e M	kt*	
es: G	ive b Indic	reak ate	-up vol	fo tag	r e o	U.G fo	. (per	Un ati	der on	gr . *	ou Me	nd) nt	& ion	O. no	H. . o	(O f C	ve kts	rhead). .		

Name and address of the Utility/Non-Utility/Entity: Sl. Nominal
No Voltage

1. EHV Lines: above
500kV
2. 500 kV DC lines
3. 400 kV
4.
230 kV 5. 220kV
6. 132 kV
7. 110 kV
8. 78 kV

Total Length of
line in Ckt km at
the end of the
year

Remarks

Single
Ckt

Double

Multi
Ckt*

Ckt

128	THE GAZETTE OF INDIA: EXTRAORDINARY	[PART III – SEC.4]
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FORMAT-15

Periodicity-Annual

Data of year 20--- 20---

Submission by -30th June

DETAILS OF ELECTRICITY CONSUMERS, CONNECTED LOAD AND CONSUMPTION

Name of the Utility

Sl. . Consumer NUMBER OF CONSUMERS CONNECTED LOAD (kW)___ Energy Remarks No. Category At the beginning Added during At the end At the beginning Added during At the end Consumption of the year the year of the year of the year the year of the year (kWh)

RURURURURURURU 1. Domestic

2. Commercial

3. Industrial

a. Low & Medium Voltage

b. High Voltage with demand less than 1 MW

c. HV/EHV with demand of 1MW & above

4.. Railways

5. Irrigation

6. **Public Lighting**
7. **Public Water works & Sewage disposal**
- 8.. **Any other category**
9. **Pvt. Licensees***
(Licensee wise)
10. **Entities within State/U.T**
(Entity wise)
11. **Entities outside State/U.T**
(Entity wise)
12. **Total**

Note :- Energy consumed through unmetered connection should be estimated and indicated clearly. * Dealing in purchase and further sale of energy.

Give separate break-up for LT & HT supply for Item 7 to 11.

Give break-up for Rural (R) & Urban (U) areas separately

129	THE GAZETTE OF INDIA: EXTRAORDINARY	[PART III – SEC.4]
-----	-------------------------------------	--------------------

FORMAT-16 (page 1 of 2) DETAILS OF MANPOWERPeriodicity-Annual Data of year 20--- 20--- Name of Utility: Submission by -30th June
Class of employment

(A) Regular (i.e. monthly paid) N U M B E R O F E M P L O Y E E S Training provided Type of Training As on As on No. of Personnel/Tech/Adm/Others
Induction/Refresher/

1.	Managerial and higher executives 31-03-20.(Yr.Start) 31-03-20.(Yr.end)	Management/Others
----	--	-------------------

(Rank of Chief Engineer and above)

2. Technical & Scientific Officers

3. Non-technical: Executive, clerical,
accounting, revenue collection, meter reading
staff & officers, etc.

4. Technical Supervisory staff in

(a)Generation

(b)Transmission

(c)Distribution

(d)Trading

(e)Others

5.

Technicians and Operating Staff in (a) Generation

(b)Transmission

(c)Distribution

(d)Trading

(e) Others

TOTAL REGULAR (1) to (5) = (A)

(B) Non-Regular

(a)Technical : Trainees & Apprentices

(b)Work Charged Staff

(Monthly paid basis)

i. Skilled

ii. Unskilled

Total (b) = (i)+(ii)

(c) Casual (daily paid basis)

i. Skilled

ii. Unskilled

Total (c) = (i)+(ii) (i.e.=c)

Sub-Total (a)+(b)+(c) = (B)

Grand Total (A)+(B)

130	THE GAZETTE OF INDIA: EXTRAORDINARY	[PART III – SEC.4]
-----	-------------------------------------	--------------------

FORMAT-16 (Contd.) Page 2 of 2 General Guidelines for filling form for manpower in the electricity supply industry.

1. Managerial and higher executives: All engineering posts of the rank of Chief Engineer and above is to be included.

2. Technical and scientific officers: All engineering posts above the rank of supervisor/Junior Engineer/ Scientific Officer may be included.

4.	a)	Technical supervisory staff :
		Generation: All technical staff of the rank of supervisor/Section officer/Junior engineer/ Assistant Controller engaged at

d)& e) Similar staff mentioned above engaged in other activities.

[illegible]

132	THE GAZETTE OF INDIA: EXTRAORDINARY	[PART III – SEC.4]
-----	-------------------------------------	--------------------

v) No. of cases where penalties were imposed:

133	THE GAZETTE OF INDIA: EXTRAORDINARY	[PART III – SEC.4]
-----	-------------------------------------	--------------------

STATISTICS ONELECTRICALACCIDENTS

Name of Utility/Non-Utility/Entity: _____ Sl. . INSTALLATIONSHUMANANIMALS No. _____

FATAL NON-FATAL FATAL NON-FATAL

1. Installations of suppliers of electricity
including SEBs/Licensees/Generating Companies:

- (a) Generating Station
- (b) Transmission System
(Lines, sub-stations, towers, etc.)
- (c) Distribution system (Lines, sub-stations, poles, transformers, etc.)

2. Installations of industrial consumers:

(a) Owned by Govt./Semi -Govt.
bodies/local authorities.

(b) Owned by private companies

3. Installations of consumers other than industrial consumers e.g.
domestic/agriculture/commercial consumers, etc.:

(a) Owned by Govt./Semi Govt. bodies/
local authorities.

(b) Owned by private companies.

(c) Persons(s)

TOTAL

(excluding suicides)

N.B. :-

Indicate the number of human/animal affected. Also show the corresponding number of accidents within brackets.

134	THE GAZETTE OF INDIA: EXTRAORDINARY	[PART III – SEC.4]
-----	-------------------------------------	--------------------

FORMAT-20

Periodicity-Annual

Data of year 20--- 20---

Submission by -30th June

REASONSFORELECTRICALACCIDENTS

Name of Undertaking: _____

Sl. REASONSHUMANANIMALS TOTAL

No. _____

FATAL NON-FATAL FATAL NON-FATAL

(i) SNAPPING OF CONDUCTORS

(ii) ACCIDENTAL CONTACT WITH LIVE

ELECTRIC WIRE / EQUIPMENT

(iii) VIOLATION / NEGLIGENCE OF SAFETY

MEASURES / LACK OF SUPERVISION

(iv) DEFECTIVE APPLIANCES/

APPARATUS / TOOLS

(v) INADEQUATE / LACK OF

MAINTENANCE

(vi) UNAUTHORISED WORK

(vii) ANY OTHER REASONS

TOTAL

N.B. : Main reasons for accidents mentioned at Sl.No.(vii) are :- (Please specify)

135	THE GAZETTE OF INDIA: EXTRAORDINARY	[PART III – SEC.4]
-----	-------------------------------------	--------------------

FORMAT-21, Page 1 of 2

Periodicity-Annual

Data of previous year 20--- 20---

Submission by – 30th June

ANNUAL DATA OF HV/EHV INDUSTRY HAVING ELECTRICITY DEMAND OF 1 MW OR ABOVE

1.	Name of factory, complete postal address, Distt & State, Telephone Nos. Fax No., and E-mail address		
2.	Whether the industry is located in rural area		Yes/No
3.			
4.	Is the industry a continuous process industry		
5.	No. of shifts per day and No. of working days per annum		
6.	Demand in kVA contracted with electricity supplier; and name of electricity supplying entity Connected Load :		

Sl.No.	Particulars	Previous Yr. Beginning	Additions during previous yr.	Additions proposed	additions expected		
					Year(s)	in	which
6.1	Motors in kW						
6.2	Lighting in kW						
6.3	Furnace in kW/ kVA						
6.4	Rectifier in kW						
6.5	Any other equipment						
6.6	Total in kW						

7.	Maximum Electricity Demand (Previous Year)
----	---

Sl.No .	Item	Max. Demand in kVA	Max. Demand in kW
7.1	On the utility system		
7.2	On captive generation, if any		
7.3	Simultaneous Max. Demand		

8. Electricity Consumption (Previous Year)

Sl.No.	Item	Consumption in kWh
8.1	On utility system	
8.2	On captive generation, if any	
8.3	Total	

136	THE GAZETTE OF INDIA: EXTRAORDINARY	[PART III – SEC.4]
-----	-------------------------------------	--------------------

FORMAT- 21, Page 2 of 2

9.	Production – Previous Year
----	-----------------------------------

Sl No	Item	Product-1	Product-2	And so on
9.1	Name of product(Include all products)			
9.2	Name of unit used to measure production quantity			
9.3	Installed production capacity (Product wise) at year end			
9.4	Consumption Norm of electrical energy (kWh/Unit of Production)			

10. Brief details of electric power restrictions/cuts, if any during previous year. 11. Loss of production due to power cuts/restrictions (Indicate product wise quantity). 12. Details of Captive Electricity Generating Plants.

12.1

Type of Prime mover	Unit No.	Installed Capacity in kW	Name of main fuel used	Stand by/ Base Load	Gross Generation in kWh	Auxiliary Consumption
Hydro Turbine/ Steam Turbine/Gas Turbine/Diesel Engine/Wind Turbine etc	1.					
	2.					
	3.					
	4. & so on					

12.2 Other data :

a) Aggregate Installed Electricity Generating Capacity (kVA) of the Plant.

b) Power Factor

c) Electrical energy purchased (kWh) from other sources (Source-Wise) d) Electrical energy sold (kWh) to other sources (Source-Wise)

13. Energy Conservation:

i. Details of steps taken during previous year for conserving electrical energy. ii. Annual savings due to above steps in terms of kWh.

137 THE GAZETTE OF INDIA : EXTRAORDINARY [PART III - SEC.4]

Format No - 22 Page 1 / 2

Periodicity-Daily

Submission by 1030 hrs.

Daily Operational Data of Thermal Power Stations and Nuclear Power Stations

(Generation and Outage data)

Generation data for the date:

Name of the organisation:

(A) UNIT WISE GENERATION

Name Of Station	Unit No.	Unit Capacity in MW	Gross Energy Generated during the day in MWh	Peak load during the day (MW)	Remarks, if any	
Station 1						
Station 2						
Data for ne	wly co	mmissione				

(B) UNIT WISE OUTAGES (Planned/Forced)

(i) Details of Units remained out of bars & Units tripped/ taken out of the bar during the day

Name Of Station	Unit No.	Outage Date & Time	Expected date of return	Outage Reason(s)	Reason(s) of extended outage, if any	Remarks
Planned outage						
Forced outage						

(ii) Details of Units revived during the day

Name Of Station	Unit No.	Outage Date & Time	Synchronization Date & Time	Outage Duration in Hours	Outage Reason(s)	Generation Loss MWh
Planned outage						
Forced outage						

Format No - 22 Page2 /2

(C) UNIT WISE PARTIAL ENERGY LOSS DATA (DAY WISE IN MWh)

Name Of Station	Unit No.	Unit Capacity in MW	Energy Loss due to fuel shortage	Energy Loss due to low system Demand	Energy Loss due to system constraints	Energy Loss due to Equipment Problems	Remarks, if any
Station 1							
Station 2							

(D) ADDITIONAL INFORMATION IN BRIEF, IF ANY

Partial loss in MWh = $(Cr1 \times Hr1 + Cr2 \times Hr2 + \dots + Crn \times Hrn) / 1000$

Where Cr1.....Crn are "the reduction in the output of the operating units in MW due to constraints in Auxiliaries/equipments or any other causes." and Hr1.....Hrn are the duration in hours of operation of the units at reduced output during the period considered (day or month).

NOTE: (I) Following categories of capacities of units/stations are monitored:

- Thermal (Steam) units having station capacity of more than 20 MW.
- All gas/diesel units supplying committed power to grid.
- Hydro stations having capacity of 2 MW and above.

(II) Wherever actual auxiliary consumption is not being metered, proportionate auxiliary consumption may be furnished.

(III) *From the date of synchronisation to the date of commercial operation

Format 23 Page1/2

Periodicity-Daily

Submission by- 1030 hrs

Daily Operational Data of Hydro Power Stations**(Generation, outage and reservoir level data)**

Generation Data for the date:

Name of the organisation:

(A) UNIT WISE GENERATION

Name Of Station	Unit No.	Unit Capacity in MW	Gross Energy Generated during the day in MWh	Peak Load during the day (MW)	Remarks, if any
Station 1					
Station 2					
Data for ne	wly co	mmissioned			

(B) UNIT WISE OUTAGES (Planned/Forced)**(i) Details of Units remained out of bars & Units tripped/ taken out of the bars during the day**

Name Of Station	Unit No.	Outage Date & Time	Expected date of return	Outage Reason (s)	Reason (s) of extended outage, if any	Remarks
Planned outage						
Forced outage						

(ii) Details of Units revived during the day

Name Of Station	Unit No.	Outage Date & Time	Synchronization Date & Time	Outage Duration in Hours	Outage Reason (s)	Generation Loss MkWh
Planned outage						
Forced outage						

Page 41 of 2

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Format 23 Page2/2

(C) ENERGY LOSS DUE TO REASONS OTHER THAN FORCED OUTAGE AND PLANNED MAINTENANCE (DAY WISE IN MkWh)

Name Of Station	Unit No.	Unit Capacity in MW	Energy Loss due to flood	Energy Loss due to weeding	Energy Loss due to silt flushing	Energy Loss due to high silt content	Energy Loss due to reduced inflows	Energy Loss due to system constraint	Energy Loss due to Equipment Problems	Remarks, if any
Station 1										
Station 2										

(D) Hydro Reservoir levels:

Name Of Station/ Reservoir	Full Reservoir level (FRL)**			Minimum Draw Down level (MDDL)**	Present Reservoir level		
	Metres	Gross Storage in MCM	Live Storage in MCM	Metres	Metres	Live Storage in MCM	Energy Contents in MkWh

(E) Additional information in brief, if any

--

NOTE: (I) Following categories of capacities of units/stations are monitored:

- Thermal (Steam) units having station capacity of more than 20 MW.
- All gas/diesel units supplying committed power to grid.
- Hydro stations having capacity of 2 Mw or above.

(II) Wherever actual auxiliary consumption is not being metered, proportionate auxiliary consumption may be furnished.

(III) *From the date of synchronisation to the date of commercial operation

** data to be furnished in case of new units/stations and any changes in the existing units

Signature

Page 42 of 2

141 THE GAZETTE OF INDIA : EXTRAORDINARY [PART III - SEC.4]

Format : 24 Page 1/2 Periodicity-Monthly Submission by-7th day Monthly Operational Data of Thermal Power Stations and Nuclear Power Stations (Generation and Outage data)

Data for the Month:

Name of the organization:

(A) UNIT WISE GENERATION, UNIT AUX. & STATION AUX. POWER CONSUMPTION

Name Of Station	Unit No.	Unit Capacity in MW	Gross Energy generated during the Month in MWh	Unit Aux. Consumption in MWh	Station Aux. Consumption in MWh	Unit Peak Load during the month (MW)	Station Peak Load during the month (MW)
Station 1							
Station 2							
Data for newly commissioned units							

(B) UNIT WISE OUTAGES (Planned/Forced)**(i) Details of Units remained out of bars & Units tripped/ taken out of the bars during the Month**

Name Of Station	Unit No.	Tripping Date & Time	Expected date of return	Outage Reason (s)	Reason (s) of extended outage, if any	Remarks
Planned outage						
Forced outage						

(ii) Details of Units revived during the month

Name Of Station	Unit No.	Tripping Date & Time	Synchronization Date & Time	Outage Duration in Hours- Minutes	Outage Reason (s)	Generation Loss in MWhs
Planned outage						
Forced outage						

Page 1 of 2

142 THE GAZETTE OF INDIA : EXTRAORDINARY [PART III - SEC.4]

Format : 24 Page 2/2**(C) UNIT WISE PARTIAL ENERGY LOSS DATA (DAY WISE IN MWh)**

Name Of Station	Unit No.	Unit Capacity in MW	Reason(s) for partial energy loss	Generation loss (MWh)	Remarks, if any
Station 1					
Station 2					

(D) ADDITIONAL INFORMATION IN BRIEF, IF ANY

--

$$\text{Partial loss in MWh} = (\text{Cr1} \times \text{Hr1} + \text{Cr2} \times \text{Hr2} \dots + \text{Crn} \times \text{Hrn}) / 1000$$

Where Cr1.....Crn are "the reduction in the output of the operating units in MW due to constraints in Auxiliaries/equipments or any other causes." and Hr1.....Hrn are the duration in hours of operation of the units at reduced output during the period considered (day or month).

NOTE: (I) Following categories of capacities of units/stations are monitored:

a. Thermal (Steam) units having station capacity of more than 20 MW.

b. All gas/diesel units supplying committed power to grid.

c. Hydro stations having capacity of 2 MW and above.

(II) Wherever actual auxiliary consumption is not being metered, proportionate auxiliary consumption may be furnished.

(III) *From the date of synchronisation to the date of commercial operation

Page 2 of 2

143 THE GAZETTE OF INDIA : EXTRAORDINARY [PART III - SEC.4]

Format no-25 Page 1/2

Periodicity- Monthly

Submission by- 7th day

Monthly Operational Data of Hydro Power Stations

(Generation, Outage and Reservoir Level data)

Data for the Month:

Name of the organization:

(A) UNIT WISE GENERATION, UNIT AUX. , STATION AUX. POWER CONSUMPTION & TRANSFORMATION LOSS

Name Of Station	Unit No.	Unit Capacity in MW	Gross Energy generated during the Month in MkWh	Unit Aux. Consumption in MkWh	Station Aux. Consumption in MkWh	Unit wise transformation loss in MkWh	Station wise transformation loss in MkWh	Peak Load reached during the month (MW)
Station 1								
Station 2								
Data for new	ly comm	issioned un						

(B) UNIT WISE OUTAGES (Planned/Forced)

(i) Details of Units remained out of bars & Units tripped/ taken out of the bars during the Month

Name Of Station	Unit No.	Outage Date & Time	Expected date of return	Outage Reason(s)	Reason(s) of extended outage, if any	Remarks		
Planned outage								
Forced outage								

(ii) Details of Units revived during the month

Name Of Station	Unit No.	Outage Date & Time	Synchronization Date & Time	Outage Duration in Hours- Minutes	Outage Reason(s)	Generation Loss in MkWh		
Planned outage								
Forced outage								

(C) ENERGY LOSS DUE TO REASONS OTHER THAN FORCED OUTAGES & PLANNED MAINTENANCE

Name Of Unit Station No.	Capacity (MW)	Energy Loss in MkWh	Reason(s) of Energy Loss	Remarks, if any
Station 1				

49.0 - 50.5 Hz

15-Minutes Block Maximum

Time

Hz

Ex	por	t

> 50.0 Hz

Time

kV

Maximum

		>	50.	5 H	z		
			H	z			
			Ti	2 me	20	K	V

15-Minutes Block Minimum

> 51.0 Hz

Time

kV

Minimum

Day

Average

Time Hz Peak Hrs Off-Peak Hrs Maximum Inter-Change

(_____ Hrs) (_____ Hrs) Import Time Time Net Energy

Elements (MW) (MW) (MW) (Hrs) (MW) (Hrs) (MkWh)

A. Northern Region Links

1.

2.

Sub Total NR Links

B. Western Region Links

1.

2.

Sub Total WR Links

4. Short-Term Open Access Transaction for the Previous Day (MkWh)

To (Including Name of the

Trader Net Exchange

7. Major Reservoir Particulars						Last Day		Month
		Re	se	rvo	irs	Inflows	Uses	Program
	As on	Da	te					

			S. 1 2	No. .																																																					
			3 4 1 2 3																																																						
			4 S.	. No. .																																																					
			2 3 4 1 2 3																																																						
			4	.																																																					
11B. Generating Units Under Outage (Status at 06:00 Hrs of (Date)) State Sector Central Sector State Sector Station Unit No.																																																									
<table border="1"> <tr> <td>T</td> <td>im</td> <td rowspan="5">e pa pa</td> <td></td> <td></td> <td></td> <td></td> <td rowspan="5">Da Da</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>Ca</td> <td>cit</td> <td>y (</td> <td>MW</td> <td>)</td> <td>te</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Ca</td> <td></td> <td>cit</td> <td>y (</td> <td>MW</td> <td>)</td> <td>te</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>						T	im	e pa pa					Da Da						Ca	cit	y (	MW	)	te				Ca		cit	y (	MW	)	te																							
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Outage Time <table border="1"> <tr> <td></td> <td></td> <td rowspan="5"></td> <td></td> <td></td> <td></td> <td></td> <td rowspan="5">e e</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>D</td> <td>at</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>D</td> <td>at</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>													e e																		D	at									D	at															
							e e																																																		
				D	at																																																				
				D	at																																																				
Revival Time Designed Present Last Year MDDL FRL Energy Level Energy Level Energy (metre) (metre) (MkWh) (metre) (MkWh) (metre) (MkWh) 8. Grid Disturbance/ Significant Events (If Any) 9. System Constraints (If Any) 10. Weather Conditions Prevailed on the Day of Report & for the Following Day: 11. Generating Units Outage Status in _____ Region 6:00Hours 11A. Generating Units Revived During Last 24 Hrs. (06:00 Hrs of (Date) to 06:00 Hrs (Date)) Outage Revival Stations Unit No. Time Time Central Sector																																																									
						me																																																			
						Usage																																																			
						(MkWh)																																																			
						(MkWh)																																																			
						(MkWh)																																																			
Reasons of outage Reasons of outage																																																									
Total _____(MW)																																																									

149 ZETTE OF INDIA : EXTRAORDINARY [PART III - SEC.4]

FORMAT-27 Page4/4 12. Transmission Lines Outage Status in Southern Region

As on Date	Time	6:00Hours
------------	------	-----------

12 A. Transmission Lines Revived During Last 24 Hrs. (06:00 Hrs of (Date) to 06:00 Hrs (Date))

S.No.	Element Name	Element Type	Date	Outage	Date	Revival	Reasons of
				Time		Time	outage

Central Transmission Utility

-
-
-

4.

FVI =

	1	.											
	2	.											
	3	.											
	4	.											
	S.	No.											
	1	.											
		.											
	3	.											
	4	.											
	1	.											
	2	.											
		.											
	4	n		(50	—	x							
		Σ1			n	n							

E	lem	en	t T	yp	e	D	at	e				
		= n					adi					
here n = fre		que	um nc	be y at	r o nt	f re h re	adi	ng ng	s			

State Transmission Utility

12 B. Transmission Lines Under Outage (Status at 06:00 Hrs of (Date))

Outage Revival Time Date Time Central Transmission Utility

State Transmission Utility

FORMAT-25 RLDCs

@Critical Sub-Station: Sub-Station Where the Steady-State Voltage Lies Outside the Limit of ± 10% of the Normal Value. *Peak Hours: The Designated Peak Hour of a Region.

**Off-Peak Hours: The Designated Off-Peak Hour of a Region.

Reasons of outage

150 THE GAZETTE OF INDIA : EXTRAORDINARY

FORMAT-28 Page 1/3

PERIODICITY- MONTHLY

SUBMISSION BY- 5TH DAY

Provisional Power Supply Position in _____ Region for the Month of _____

A	Generation Details	1	2	3	----	N	REGION
S.No.Constituents							

(I)	Gross Generation (MkWh)						
-----	-------------------------	--	--	--	--	--	--

Thermal
 (i) Coal
 (ii) Liquid
 (iii) Gas Open Cycle
 (iv) Gas Combined Cycle
 (v) Nuclear
 Hydro
 IPPs
 CPPs

	(II)	Wi To De (i)	nd tal (dica	Mills MkW ted	h) Po	(I) wer	Stat ion	#									
(I B	I)	(ii) To Ac En	tal (tual erg	MkW De Av	h) man aila	(I)+ (d M bilit	II) et (y /	Gros eq	s M ire	W) en	t (E	- B	s) (	Mk h)			
	1	Co Ow Th (i) (ii)	nsti n G erm Coa Liq	tue ene al l uid	nts rati	on						C	ons	titude	nts	# 1	
		(iii) (iv) (v) Hy IPP CP	Ga) Ga Nuc dro s* Ps*	s O s C clea *	pen omb r	Cyc ine	le d Cy	cle									
	2 2.1 2.2	Wi To De To De	nd tal (dica tal O dica	ills 1) ted wn ted	Po Ge	wer nera	Stat tion	ions , IP	s# Ps*,	CP	Ps**	&					
	3 4 5 6 7	Ne Bil To Un C) Sh %	Dr ater tal A rest orta Sho	wl al) vai rict ge (rtag	fro labil ed R 5-4) e l{(	G ity equ 5-4)	id (ire /5}* 100	di t (Fr]	g om	Tab	le						

Con	stit	uen	ts #	2		Co	nstit	uen	ts

151 THE GAZETTE OF INDIA : EXTRAORDINARY

C	Details of Calculations	FORMAT-28 Page 2/3
---	-------------------------	--------------------

1Availability

					Between 49.0 Hz &	Between 49.5	Between 49.8	Between 50.2	Between	Between	
									50.5 Hz &	51.0 Hz &	Above
FORMAT-26 RPCs # Dedicated Power Stations: Power Stations whose generation is solely meant for the concerned State(s).					49.5 Hz	Hz & 49.8 Hz	Hz & 50.2 Hz	Hz & 50.5 Hz	51.0 Hz	51.5 Hz	51.5 Hz

		IN	ST Hz	ANT	AN	EOU	S M	AXI	MU
ndep	end	ent	Pow	er P	rodu	cer			

H		z	

**** CPP- Captive Power Plant**

Hz		

2Frequency Correction
3Load Shedding
4Power Cuts
5Unrestricted Requirement (1+2+3+4)
D Peak Demand/ Demand Met (Ex-Bus) (MW)
1Peak Demand
2Demand Met
3Date & Time of Peak Demand Met
4Frequency Correction
5Load Shedding
6Power Cuts
7Shortage
8% Shortage
9Avg. of Daily Max. Shortage
10Max. of Daily Max. Shortage
E Frequency Profile of _____ Regional Grid
Between 48.5 Hz & 48.8 Between 48.8Hz & Frequency Range Below 48.5 Hz 49.0
Hz
(% of time)
INSTANTANEOUS MINIMUM
Time Time

15-MINUTES MAXIMUM	BLOCK	15-MINUTES MINIMUM	BLOCK	MONTHLY	FREQUENCY
Hz	Time	Hz	Time	Hz	

153 THE GAZETTE OF INDIA : EXTRAORDINARY [PART III - SEC.4]

FORMAT-28 Page3/3 Power Cuts on Industries, Load Shedding & Power Supply to Agricultural Sector in _____ Region During _____(Month/Year)

I	Power Cuts/ Restrictions on Industries, Load Shedding in the State:				
---	---	--	--	--	--

S. No.	Particulars/ Name of States	Quantum of Power Cut	Restriction Timing		Total Energy Cut
			From	To	
		(MW)	(Hrs)	(Hrs)	(MkWh/ Day)
1.	State				
(a)	Power Cuts/ Restrictions on HT/ LT Industries				
(b)	(b)Load Shedding				
(c)	(c)Any Other Information				

	(i) Weekly Off				
	(ii) Staggering of Power Supply				
2.	State				
(a)	Power Cuts/ Restrictions on HT/ LT Industries				
(b)	(b) Load Shedding				
(c)	(c) Any Other Information				
	(i) Weekly Off				
	(ii) Staggering of Power Supply				
3.	State				
(a)	Power Cuts/ Restrictions on HT/ LT Industries				
(b)	(b) Load Shedding				
(c)	(c) Any Other Information				
	(i) Weekly Off				
	(ii) Staggering of Power Supply				
.					
.					

II	Power Supply to Agriculture Sector
-----------	---

S. No.	Particulars	From	To	Supply Hours /day		
				Maximum	Minimum	Average
		(Date)	(Date)	(Hrs)	(Hrs)	(Hrs)
1.	State					
(a)	(a) Three-Phase Supply					
(b)	(b) Single Phase Supply					
(c)	(c) Remarks/Notes/Any Other					
2.	State					
(a)	(a) Three-Phase Supply					
(b)	(b) Single Phase Supply					
(c)	(c) Remarks/Notes/Any Other					
3.	State					
(a)	(a) Three-Phase Supply					
(b)	(b) Single Phase Supply					
(c)	(c) Remarks/Notes/Any Other					
.						
.						

FORMAT-29 Page 1/4

PERIODICITY- MONTHLY

SUBMISSION BY- 18TH DAY

Revised Power Supply Position in _____ Region for the Month Of _____

A	Generation Details
----------	---------------------------

S.No.	Constituents	1	2	3	-----	N	REGION
(I)	Gross Generation (MkWh)						
	Thermal						
	(i) Coal						
	(ii) Liquid						
	(iii) Gas Open Cycle						
	(iv) Gas Combined Cycle						
	(v) Nuclear						
	Hydro						
	IPPs						
	CPPs						
	Wind Mills						
	Total (I)						
(II)	(II) Dedicated Power Stations#						
	(i)						
	(ii)						
	Total (MkWh) (I)+(II)						
(II)	Actual Demand Met (Gross MW)						

B	Shared/ Common Projects Generation (MkWh)
----------	--

S.No.	Station Name	Gross	Ex-Bus
1			
2			
3			
	Total		

C Energy / Availability / Requirement (Ex-Bus) (MkWh)

	Constituents	1	2	3	-----	N	REGION
1.	1.Own Generation						
	Thermal						
	(i) Coal						
	(ii) Liquid						

	(iii) Gas Open Cycle						
	(iv) Gas Combined Cycle						
	(v) Nuclear						
	Hydro						
	IPPs						
	CPPs						
	Wind Mills						
	Total						
2	2Dedicated Power Stations#						
2.1							
2.2							
	Total Own Generation, IPPs*, CPPs** & Dedicated						
3.	3.Share from Shared Projects						
(I)							
(II)							
4.	4.Bilateral Import						
5.	5.Bilateral Export						
6.	Total Drawl from Grid including bilateral (includes transmission losses)						
7.	7.Total Availability (1+3+6)						
8.	Unrestricted Requirement (From Table D)						
9.	9.Shortfall						

154 THE GAZETTE OF INDIA : EXTRAORDINARY [PART III - SEC.4]

D	Details of Calculations	FORMAT-29 Page 2/4
---	-------------------------	--------------------

S.No.	Constituents	1	2	3	-----	N	REGION
1	1Net Actual Energy Supplied						
2	2Frequency Correction						
3	3Unscheduled Load Shedding						
4	Scheduled Load Shedding /Power Cuts						
5	Unrestricted Requirement (1+2+3+4)						

E	Peak Demand/ Unrestricted Peak Demand (Ex-Bus) (MW)
---	---

S.No.	Constituents	1	2	3	-----	N	REGION
1	1Peak Unrestricted Demand (from Table F)						
2	2Peak Demand Met						
3	3Shortfall						

4	4% Shortfall						
---	--------------	--	--	--	--	--	--

F	Details of Calculations for Unrestricted Peak Demand (MW)
---	---

S.No.	Constituents	1	2	3	-----	N	REGION
1	1Peak Demand Met						
2	2Frequency Correction						
3	3Unscheduled Load Shedding						
4	4Scheduled Load Shedding						
5	Peak Unrestricted Demand (1+2+3+4)						

G	Details of Gross Generation, Declared Capacity, Scheduled Generation and Injection from CGSs (MkWh)
---	---

S.No.	CGSs	Declared Capacity	Scheduled Capacity	Gross Generation	Injection
		(Ex-Bus)	(Ex-Bus)		
		(MkWh)	(MkWh)	(MkWh)	(MkWh)
(i)					
(ii)					
(iii)					
.					
.					
	Total				

H	Total Entitlement, Schedule and Drawl by Constituents (MkWh)
---	--

S.No.	Constituents	Entitlement	Scheduled Drawl	Actual Total Drawl from Grid including Grid Loss
		(Ex-Bus)	(Ex-Bus)	
		(MkWh)	(MkWh)	(MkWh)
(i)				
(ii)				
(iii)				
.				
.				
.				
	Total			

I

Frequency Profile of _____ Regional Grid
--

Instantaneous Maximum		Instantaneous Minimum		15-Minutes Block Maximum		15-Minutes Block Minimum		Monthly Average	Frequency Variation Index (FVI)
Hz	Time	Hz	Time	Hz	Time	Hz	Time	Hz	

--	--	--	--	--	--	--	--	--	--

J Frequency Profile (% of time)

Between 48.5			Between 48.8Hz. & 49.0 Hz	Between 49.0 Hz & 49.5 Hz	Between 49.5 Hz & 49.8 Hz	Between 49.8 Hz & 50.2 Hz	Between 50.2 Hz & 50.5 Hz	Between 50.5 Hz & 51.0 Hz	Between 51.0 Hz & 51.5 Hz	Above 51.5 Hz
Frequency Range	Below 48.5 Hz	Hz & 48.8 Hz								
(% of time)										

155 THE GAZETTE OF INDIA : EXTRAORDINARY [PART III - SEC.4]

FORMAT29 Page3/4

Entitlement & Scheduled Drawl of Central Generating Stations in _____ Region for the Month of _____

I. Entitlement & Scheduled Drawl

(All figures in MkWh net)

		Constituents # 1		Constituents # N		Total	
		Entitlement	Scheduled Drawl	Entitlement	Scheduled Drawl	Entitlement	Scheduled Drawl
1	Central Generating Stations :						
1.1							
1.2							
1.3							
	Total (1)						
2	Dedicated CG Stations :						
2.1							
2.2							
	Total (2)						
3	Supply from Jointly owned Projects:						
3. 1							
3. 2							
	Total (3)						
	Total (1 + 2 + 3)						
Note : Central Generating Station (CGSs) within the region and outside the region							

II.CGSs Availability, Schedule and Actual Generation (MkWh)

Sl.No.	Stations	Availability	Schedule	Actual
1.				
2.				
3.				
.				

.				
.				
	Total			

III. Actual Drawl by Beneficiaries from the Grid (MkWh)

Sl.No.	Constituents	Drawl from Shared Projects + Bilateral + Power Traded	Net Drawl from CGSs including Dedicated Projects	Net Drawl (incl. Bilateral)
(1)	(2)	(3)	(4)	(5) = (3)+(4)
1.				
2.				
3.				
.				
.				
.				
	Total			

156 THE GAZETTE OF INDIA : EXTRAORDINARY [PART III - SEC.4]

FORMAT-29 Page-4/4 Intra-Regional & Inter - Regional Exchange of Power in _____ Region during the month _____

1. Intra-Regional Bilateral Transactions (Scheduled Drawl)

(All figures in MkWh)

To -----> From	Constituent #1	Constituent #2		Total
Name of The Constituents & Trader				
.				
.				
.				
Total				

Note : The ex-periphery metering point may please be indicated

2. Inter-Regional Bilateral Transactions (Scheduled Drawl) (All figures in MkWh)

To -----> From	Constituent #1	Constituent #2		Total
Name of The Constituents & Trader				
.				
.				
.				
Total				

FORMAT-30 PERIODICITY- DAILY SUBMISSION BY- 0900 HRS Daily Data regarding Loss of Generation on account of Shortage of Coal, Gas & Unrequisitioned Liquid Fired Capacity in _____ Region

Date:

S.NO.	Name of State/ Station	Installed Capacity (MW)	Fuel Type	Loss of Gen. for the Day (MkWh)
-------	------------------------	-------------------------	-----------	---------------------------------

State Sector				
1.				
2.				
3.				
4.				
Central Sector				
1.				
2.				
3.				
4.				
	Total			

Summary

1.	Loss of Generation due to Shortage	_____	(MkWh)
	of Coal		
2.	Loss of Generation due to Shortage	_____	(MkWh)
	of Gas		

Loss of Generation due to

3.	Unrequisitioned Liquid Fired	_____	(MkWh)
	Capacity		
	Total	_____	(MkWh)

FORMAT-__ RPCs

Loss of Gen-Daily 30

FORMAT-31

PERIODICITY- MONTHLY

SUBMISSION BY- 10TH DAY

Monthly Data regarding Loss of Generation on account of Shortage of Coal, Gas, Unrequisitioned Liquid Fired Capacity & Backing Down due to System Constraints in _____ Region for the Month _____

SL.NO.	Name of State/ Station	Installed Capacity (MW)	Fuel Type	Loss of Gen. for the Month (MkWh)
	STATE SECTOR			
1.				
2.				
3.				
4.				
	CENTRAL SECTOR			
1.				

2.				
3.				
4.				
	Total			

Summary

1.	Loss of Generation due to	_____	MkWh
	Shortage of Coal		
2.	Loss of Generation due to	_____	MkWh
	Shortage of Gas		
3.	Loss of Generation due to		

Unrequisitioned Liquid Fired

Capacity	(Sub-Total)	_____	MkWh
		_____	MkWh

4.

Loss of Generation due to System
Constraints (Low System Demand,

Transmission Constraints, etc.)	_____	MkWh
Total	_____	MkWh

FORMAT-__ RPCs

159 THE GAZETTE OF INDIA : EXTRAORDINARY [PART III - SEC.4]

5. Monthly Estimated Peak Demand (MW) (max.) and Average Energy Requirement (MkWh/day) of Constituents for the Year 20__-20__ % Growth Rate considered for calculating Energy Requirement and Estimated Peak Demand 6. Share of States/ UTs in the Central Sector Generating Stations (MW) 7. Firm power import/export bilateral agreement/arrangements with other constituents S. No. S. No S. No MW 1 2	
Ap	ril.....
Station 1 Station 2	
Name of Station Name of Gen. MkWh/Day Station From	
*Thermal/	

Nuclear/ Gas/ Hydro/ Other	
N H	*Thermal/ N uclear/ Gas/ Hydro/ Other MW
	MW
Co	Constituent 1
Constituent	
To	

May.....
April....
Constituent 2
MkWh/Day
MkWh/Day
MW

April.....	

MkWh/Day

.....
MW
May.....
.....

Constituent 5
MkWh/Day
.....
MW
May.....

	To day
1	of 2

Unallocated
MkWh/Day
.....
MW
February.....
.....
MkWh/Day
.....
.....

.....
 _____ %

MW

MW

March.....

February.....

MkWh/Day

MkWh/Day

MW

February.....

MkWh/Day

Remarks

MW

March.....

MkWh/Day

MW

March.....

MkWh/Day

Remarks

Remarks

LGBR32

FORMAT-32 Page 1/2

PERIODICITY- ANNUAL

SUBMISSION BY –END FEB.

DATA FOR LOAD GENERATION BALANCE REPORT (LGBR) FOR THE YEAR 20.... TO 20.....

1. Effective Capacity for the Year 20 __-20 __

Generating Station Unit No. Plant

*Thermal/ Date of BLR Effective Aux. Forced

Nuclear/ Gas/ (for Thermal/ Capacity as on Consumption outage rate Planned Outage

S. No Name Hydro/ Other Gas Stations) 31/3/20.... (%) (%) (%) Target PLF % Remarks

2. Maintenance Schedule for the Year 20 __-20 __

~~Proposed~~ Schedule Total No. of

maintenance

days during year

to previous

reported year

S. No Station Name Unit No. Capacity (MW) From No. of days Reason Remarks

3. Addition in Installed Capacity (MW)

Ex-bus MkWh

S. No Station Name Unit No. Capacity (MW) Month

arch

Remarks

April.....M

4. Monthly Generation Ex-bus Targets (MW) (max.) and Average Energy (MkWh/day) for the Year 20__ -20 __

8. Monthly anticipated water levels and energy content for the Year 20__-20__

Average		Average	Energy content	March 20__	Total	LGBR32																																								
Levels as on 1st	inflows during	discharge	as on 1st day of																																											
Name of Hydro day of the the month during month the month			March 20__	Maximum																																										
11. State wise Anticipated Energy Requirement Vs Energy Availability (MkWh) for the Year 20__-20__ Requirement Availability %																																														
12. State wise Anticipated Peak Demand Vs Peak Availability for the Year 20__-20__ Peak Demand Peak Availability %																																														
* Thermal Generating Stations include Coal, Liquid, Gas Open Cycle, Gas Combined Cycle & Nuclear FORMAT-48 GENCO/ State Utilities/ RPCs																																														
<table border="1"> <tr><td>on/ State/ System</td></tr> <tr><td>lus/ Deficit (-)</td></tr> <tr><td>on/ State/ System</td></tr> <tr><td>lus/ Deficit (-)</td></tr> </table>			on/ State/ System	lus/ Deficit (-)	on/ State/ System		lus/ Deficit (-)																																							
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Jun	e 20__		----	----	----																																									
Jan	uary 20__	—																																												
Jan	uary 20__	—																																												
2	2 of 2																																													
February 20_ March 20__																																														

February 20__ March 20__

Jan	uar	y 2	0__		

Maximum Total S. No Station month (meter) (Cusecs) (MkWh)

9. Energy Availability Calculation of the State/ System/ Region (MkWh)

S. No. POWER STATION June 20__ ----- January 20__ February 20__

1 Energy available from hydro stations

2 Energy available from thermal* stations

3 Share from Dedicated Power Stations

4 Share from Central Generating Stations

5 Scheduled Energy imports (giving break up)

6 Total availability (1+ 2 + 3 + 4)

7 Energy Requirement (from Table (5))

8 Surplus (+) / Deficit (-)

10. Peak Availability of the State/ System/ Region (MW)

S. No. Power Station February 20__

1 Peak Power Available from Hydro Stations

2 Peak Power Available from Thermal Stations

3 Share from Dedicated Power Stations

4 Share from Central Generating Stations

5 Scheduled Peak Power Imports (giving break up)

6 Total Peak Power Availability (1+ 2 + 3 + 4)

7 Peak Power Requirement (from Table (5))

8 Surplus (+) / Deficit (-)

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FORMAT-33

PERIODICITY- MONTHLY

SUBMISSION BY- 10TH DAY

Unscheduled Interchange (UI) Status of Region for the Month of

Sl.No.	Constituents/ Generators	Schedule Drawl (MkWh)	Actual Drawl (MkWh)	UI (Rs.) (-) Payable to the pool (+) Receivable from the pool
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

FORMAT-__ RPCs

FORMAT-__ Power Trading Companies

N
3
4

P p	oi ur	nt ch	of as	e	p	ric	e
					(R	s.	)

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FORMAT-34

PERIODICITY- MONTHLY

SUBMISSION BY- 10TH DAY

Details of Power Traded by the Trading Company for the Month of

Name of the Trader :

Licensee Details (No. and Date):

Sl. No. Volume of Purchased fromSold to Purchase Point of Sale Transmission/ Transmissio UI charges Trading Remarks

Trading (MkWh) sale (Rs.) price Wheeling n losses borne by margin

(Rs.) Charges borne borne by seller/ charged

by Seller/ Seller/ Trader/ (Rs.)

Trader/ Buyer Trader/ Buyer (Rs.)

(Rs.) Buyer (Rs.)

1
2

163 THE GAZETTE OF INDIA : EXTRAORDINARY [PART III - SEC.4]

FORMAT-35

PERIODICITY- MONTHLY

SUBMISSION BY- 20TH DAY

Progress of Capacitor Installation Programme in Region for the month of

(All figures in (MVar)

Name of the Constituents	Total installed as on (previous year)	Requirement during (current year)	Constituent's programme during (current year)	Actual addition during the current month	Faulty Capacitors removed during the current month	Total addition during the current year
1						
2						
3						
4						
5						
6						
.						
.						
.						

.						
.						
Total Region						

FORMAT-25 RPCs

Capacitor35

(3) Cumulative Source wise Receipt of Coal during the month.
Name of TPS
(4) Wagons
Name of TPS
Format -37 GENCO. COM
Date
Date

Date			
Date			
Total pro linkage	ra	ta	

Opening Balance
Source-I Source-II So on

Rec	eip	t	

Wagons Received
Name of Coal Company

umul during	ativ th	e r e m	ece on

Wagons Released

Closing Balance
Total Receipt Receipt as (%) of linkage
165 THE GAZETTE OF INDIA: EXTRAORDINARY [PART III – SEC.4]

FORMAT-36
Periodicity- Daily
Submission by - 1500 Hrs.
DAILY COAL REPORT: DATA FOR THE DATE (dd, mm, yy).....
Figures of coal quantity in metric tones (mt) NAME & ADDRESS OF GENERATING COMPANY
(1) Coal Stock Position
Name of TPS Consumption Cumulative Stock Available Consumption during the month
(2) Daily Source wise Receipt of Coal
Name of TPS Name of Coal Company Total Receipt Source-I Source-II So on

165	THE GAZETTE OF INDIA: EXTRAORDINARY	[PART III – SEC.4]
-----	-------------------------------------	--------------------

FORMAT-37 Periodicity- Monthly Submission by 15th day COAL REPORT OF MONTH-----, 20---

1.	Name of TPS	:	Receipt in mt	Mode of	Cost of Coal	Transportation
----	-------------	---	---------------	---------	--------------	----------------

2.	Month & Year	:				
3.	Capacity in MW :					
4.	Coal Data	:				
Source of supply as		Linkage in				
per linkage		mt		Transport	Rs/mt	Cost Rs./mt

A. Link Source

1.

2.

B. Diverted if any

1.

2.

C. Imported if any

Total Coal received during the month (A+B+C)

5. Total Coal Consumption in mt

a) Indigenous Coal :

b) Imported Coal :

6. Useable Coal Stock at the end of month in mt

a) Indigenous Coal :

b) Imported Coal :

7. Unit Generated in MkWh :

During the month

8. Average UHV, GCV & % of ash content of Coal:

(a) As received

(b) As fired

9. No. of wagons received during the month

mt = metric tone

TH M	E G	GENERATION LOSS DUE TO FUEL SHO Total Energy Loss in MkWh d	[PART III – SEC.4] FORMAT-38 Periodicity - Monthly Submission by 7th day Remarks 5
	W 3	shortage of fuel 4	

166

Name of thermal power station

Report of the Month & Year:

Date Unit No. Capacity in

1 2

167	THE GAZETTE OF INDIA: EXTRAORDINARY [PART III – SEC.4]
-----	--

FORMAT-39 Periodicity- Monthly Submission by 7th day REPORT OF MONTHLY AVERAGE ASH PERCENTAGE (BY WEIGHT)

RECEIVED AT.....TPS DURING THE MONTH OF....., YEAR 20.....

Name of Colliery/Coal			Monthly Linkage (metric tone)	Monthly Receipt (metric tone)	Percentage Receipt (%)	Monthly average ash percentage by weight as per 3rd Party Sampling/Joint Sampling/Loading end sampling for washed coal (%)			
1			2	3	4	5			
<table border="1"><tr><td>Total</td><td>of</td><td>all</td></tr></table> Collieries			Total	of	all				
Total	of	all							

168	THE GAZETTE OF INDIA: EXTRAORDINARY [PART III – SEC.4]
-----	--

FORMAT-40

Periodicity- **Quarterly**

Submission by - **30th day after the end of the quarter**

REPORT OF QUARTERLY / ANNUAL AVERAGE ASH PERCENTAGE (BY WEIGHT) IN COAL

RECEIVED AT.....TPS DURING THE CURRENT YEAR 20—20----

Quarter/Period	Name of Colliery/Coal Company	Colliery wise Total quarterly Linkage (mt)	Colliery wise Total quarterly Receipt (mt)	Colliery wise Total quarterly % age receipt	Colliery wise Total Average ash Percentage(By weight)
1	2	3	4	5	6
Ist Quarter of FY					
	Total of All Collieries				
2nd Quarter of FY					
	Total of All Collieries				
Total of Ist & Second Quarter of FY	Total of All Collieries				
3rd Quarter of FY					
	Total of All Collieries				
Total of Ist, 2nd and 3rd Quarter of FY	Total of All Collieries				
4th Quarter of FY					
	Total of All Collieries				
Total of Ist, 2nd, 3rd and 4th Quarter of FY	Total of All Collieries				

Total annualized average percentage of ash by weight received during the whole financial year -----

mt = metric tonne

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-----	--

FORMAT-41

Periodicity-**Quarterly**

Submission 40 days before the commencement of the quarter

PROPOSED COAL ALLOCATION FOR SHORT TERM LINKAGES FOR THERMAL POWER STATIONS	
1.	Name of the Power Station
2.	No. of Units & Total installed capacity
3.	Name of the Quarter (Period)
4.	Planned Outage:

Sl. No.	Unit No.	Capacity in MW	Outage Period		Nature of maintenance
			From	To	

5.	Generation Target for the Quarter in MkWh				
----	---	--	--	--	--

First Month	Second Month	Third Month	Average Target Generation

6. 7.	Average Overall Specific Coal Consumption (Kg/kWh) for Station. Coal Requirement to achieve Targeted Generation in metric tonnes:				
----------	---	--	--	--	--

First Month	Second Month	Third Month	Average Target Generation

8.	Average Stock Building per month in metric tonnes subject to stocking capacity of the station's stock yard.				
9.	Average monthly coal requirement during the quarter in metric tonnes (details below)				

Sl. No.	Source of supply/field/company	Mode of Transportation	Quantity
	Total		

170 THE GAZETTE OF INDIA : EXTRAORDINARY [PART III - SEC.4] **FORMAT-42 Periodicity-monthly Submission by 15th day MONTHLY FUEL SUPPLY DATA OF GAS BASED THERMAL POWER STATIONS (UTILITY) FOR THE MONTH YEAR 20--**

Sl.No	Item	Particulars/ Data		
1	Name of the gas based Thermal power station			
2	Owner's name:			
3	Mailing address:			
	Telephone No.			
	Fax No.			
4	Installed capacity (Installed capacity & Unit rating in MW and No. of Units)			
5	Type of station (Whether CCGT/ OCGT)			
6	Energy generation of station during the month	Target	Actual	
	(MkWh)			
7	Alternate fuel being used (Naphtha/ HSD)			
8	Fuel supply position of the month			
	(1.) Allocation	Gas	HSD	Naphtha
		MMSCM	kl	mt
	(a.) As per original allocation for the month by Gas Linkage Committee			

	(b.) Present allocation for the month			
	(2.) Consumed during the month			
	(a.) For generation from existing Units			
	(b.) For commissioning, testing etc. of new Units			
9	Cumulative consumption during the year			
10	Average gross calorific value of the fuel for the month	kcal/SCM	kcal/ kl	kcal/ kg
11	Generation loss in MkWh, if any, due to shortage of gas/alternate fuel during the month			
12	Reasons for short supply of fuel compared to present allocation, if any			
13	Source of supply			
14	Mode of transport from source to power station (Rail/Road/Pipeline)			
15	Landed cost (Average for month) of fuel at power station in Rs./SCM	Rs./SCM	Rs./kl	Rs./mt
16	Remarks, if any.			

MMSCM-Million Metric Standard Cubic Metre

mt = metric tonne

kl = kilo litre

171 THE GAZETTE OF INDIA : EXTRAORDINARY [PART III - SEC.4]

FORMAT- 43 Periodicity-monthly Submission by 15th day MONTHLY FUEL SUPPLY DATA OF LIQUID FUEL BASED THERMAL POWER STATIONS (UTILITY) FOR THE MONTH YEAR 20--

Sl.No	Item	Particulars/ Data		
1	Name of the liquid fuel based GT Station			
2	Owner's name:			
3	Mailing address:			
	Telephone No.			
	Fax No.			
4	Installed capacity (Installed capacity & Unit rating in MW and No. of Units)	GT	ST	
5	Type of station (Whether CCGT/ OCGT)			
6	Energy generation of station during the month	Target	Actual	
	(MkWh)			
7	Name of Primary fuel			
8	Fuel supply position of the month	Primary Fuel	Alternate Fuel	
		kl	Name-1	Name-2
			kl	kl
	(1.) Allocation			
	(2.) Consumed during the month			
	(a.) For generation from existing Units			

	(b.) For commissioning, testing etc. of new Units			
	(3.) Closing Stock at the end of the month			
9	Cumulative consumption during the year	kCal/l	kCal/l	kCal/l
10	Average gross calorific value of the fuel for the month			
11	Generation loss in MWh, if any, due to shortage of fuel			
12	Reasons for short supply of fuel compared to present allocation, if any			
13	Source of supply			
14	Mode of Transport from source to power station (Rail/Road/Sea/Pipeline)			
15	Landed cost (average for month) of fuel at power station in Rs./kl			
16	Remarks, if any.			

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**FORMAT- 44 Periodicity-monthly Submission by 15th day MONTHLY FUEL SUPPLY DATA OF DG POWER STATIONS (UTILITY) FOR THE MONTH
..... YEAR 20--**

Sl. No	Item	Particulars/ Data		
1	Name of the DG power station			
2	Owner's name:			
3	Mailing address:			
	Telephone No.			
	Fax No.			
4	Installed capacity (Installed capacity & Unit rating in MW and No. of Units)			
5	Energy generation of station during the month	Target	Actual	
	(MWh)			
6	Name of primary fuel			
7	Fuel supply position of the month	Primary Fuel	Alternate Fuel	
		kl	Name-1	Name-2
			kl	kl
	(1.) Consumed during the month			
	(a.) For generation from existing Units			
	(b.) For commissioning, testing etc. of new Units			
	(2.) Closing Stock at the end of the month			
8	Cumulative consumption during the year	kCal/l	kCal/l	kCal/l
9	Average gross calorific value of the fuel for the month			

10	Generation loss in MkWh, if any, due to shortage of fuel for the month			
11	Reasons for short supply of fuel compared to requirement, if any			
12	Source of supply			
13	Mode of transport from source to power station (Rail/Road/Sea/Pipeline)			
14	Landed cost (average for month) of fuel at power station in Rs./kl			
15	Remarks, if any.			

176		THE GAZETTE OF INDIA: EXTRAORDINARY [PART III – SEC.4]														
Sl No	Name of the	<table border="1"> <tr> <td>TRICT WISE M</td> <td>ON D</td> <td>THLY PROGRESS OF INHABITED VILLAGE EL DURING THE YEAR (AS PER CENSUS)</td> </tr> <tr> <td>Nos. of inhabited N villages as per v..... Census t p 4</td> <td>o. illa o 3 re</td> <td>N o. of inhabited Achievement from villa ges electrified up 1.4.20... to t o 3 1.03.20----(end of (during current year vious year) upto the end of month previous to the month under report) 5 6</td> </tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </table>			TRICT WISE M	ON D	THLY PROGRESS OF INHABITED VILLAGE EL DURING THE YEAR (AS PER CENSUS)	Nos. of inhabited N villages as per v..... Census t p 4	o. illa o 3 re	N o. of inhabited Achievement from villa ges electrified up 1.4.20... to t o 3 1.03.20----(end of (during current year vious year) upto the end of month previous to the month under report) 5 6						
	TRICT WISE M	ON D	THLY PROGRESS OF INHABITED VILLAGE EL DURING THE YEAR (AS PER CENSUS)													
	Nos. of inhabited N villages as per v..... Census t p 4	o. illa o 3 re	N o. of inhabited Achievement from villa ges electrified up 1.4.20... to t o 3 1.03.20----(end of (during current year vious year) upto the end of month previous to the month under report) 5 6													
District	3															
1	2	FORMAT-48 PERIODICITY- MONTHLY SUBMISSION BY 3RD DAY Month State/U.T No. of villages electrified Cumulative villages during the (month electrified as on under report) (end of month under report) (4+5+6) 7														

174	Sl No	Particulars	Total No.	<table border="1"> <tr> <th>STAT</th> <th>US AN</th> <th>OF PRO D IRRIG</th> <th>G AT</th> <th>RESS ION P</th> <th>OF V UMP</th> <th>ILL SE</th> <th>AG TS</th> <th>ES ELECT ENERGIS</th> </tr> <tr> <td>Total cumul achievement 31.03.20---- previous year)</td> <td>ativ t a --(e ar) 4</td> <td>e s on nd of</td> <td></td> <td>Achie from 1 the m under</td> <td>vement .4.200 onth p report)</td> <td>du revi</td> <td>ring to ... ous 5</td> <td>current year ... (end of to the month</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table>	STAT	US AN	OF PRO D IRRIG	G AT	RESS ION P	OF V UMP	ILL SE	AG TS	ES ELECT ENERGIS	Total cumul achievement 31.03.20---- previous year)	ativ t a --(e ar) 4	e s on nd of		Achie from 1 the m under	vement .4.200 onth p report)	du revi	ring to ... ous 5	current year ... (end of to the month																											
STAT	US AN	OF PRO D IRRIG	G AT	RESS ION P	OF V UMP	ILL SE	AG TS	ES ELECT ENERGIS																																									
Total cumul achievement 31.03.20---- previous year)	ativ t a --(e ar) 4	e s on nd of		Achie from 1 the m under	vement .4.200 onth p report)	du revi	ring to ... ous 5	current year ... (end of to the month																																									
1	2	Inhabited villages	3	THE GAZETTE OF INDIA: EXTRAORDINARY [PART III – SEC.4] FORMAT - 46 PERIODICITY- MONTHLY SUBMISSION by 3RD DAY State/UT..... For the month of Year..... Achievement during the Total cumulative achievement as month----- on -----(end of the (the month under report) month under report) (4+5+6) 6 7																																													
	2	(including tribal villages)																																															
		Tribal villages																																															
	3	Pump sets																																															
	4	energisation																																															
Harijan Basties/																																																	
5	Dalit Basties																																																
	Hamlets																																																
6	Rural Households																																																

		Single Light Point	
	7	connection under	
		Kutir Jyoti	
		Programme	

BPL -Below Poverty Line			Number of Pump sets energised. 14										
<table border="1"> <tr> <td>ame of Cen</td> <td rowspan="2">su de</td> <td colspan="3"> <table border="1"> <tr> <td>s</td> <td>No. of</td> <td>No. o</td> </tr> </table> </td> </tr> <tr> <td>the village Co</td> <td> rural household rural </td> </tr> </table>				ame of Cen	su de	<table border="1"> <tr> <td>s</td> <td>No. of</td> <td>No. o</td> </tr> </table>			s	No. of	No. o	the village Co	rural household rural
ame of Cen	su de	<table border="1"> <tr> <td>s</td> <td>No. of</td> <td>No. o</td> </tr> </table>				s	No. of	No. o					
s		No. of		No. o									
the village Co	rural household rural												
3		5 6											

175 THE GAZETTE OF INDIA : EXTRAORDINARY [PART III - SEC.4]

FORMAT- 47

PERIODICITY-MONTHLY

SUBMISSION by 3rd DAY

District wise status of progress of village electrification and energisation of Pump sets for the month.....,

State/UT

Sl. No.Name of the Is it a Total No. Total no. Total No. No. of No. of BPL No. of

District electrified Tribal of hamlets electrified of Harijan/ electrified Households electrified

Village hamlets Dalit Harijan/ BPL

household Yes/No Bastis Dalit households

basties

1 2 7 8 9 10 11 12 13

176		3	THE GAZETTE OF INDIA: EXTRAORDINARY [PART III – SEC.4]																	
Sl No	Name of the	District	<table border="1"> <tr> <td>TRICT WISE M</td> <td>ON D</td> <td>THLY PROGRESS OF INHABITED VILLAGE EL DURING THE YEAR (AS PER CENSUS)</td> </tr> <tr> <td>Nos. of inhabited N villages as per v..... Census t p 4</td> <td>o. illa o 3 re</td> <td>N o. of inhabited Achievement from villa ges electrified up 1.4.20... to t o 3 1.03.20----(end of (during current year vious year) upto the end of month previous to the month under report) 5 6</td> </tr> <tr><td> </td><td></td><td></td></tr> <tr><td> </td><td></td><td></td></tr> <tr><td> </td><td></td><td></td></tr> </table>			TRICT WISE M	ON D	THLY PROGRESS OF INHABITED VILLAGE EL DURING THE YEAR (AS PER CENSUS)	Nos. of inhabited N villages as per v..... Census t p 4	o. illa o 3 re	N o. of inhabited Achievement from villa ges electrified up 1.4.20... to t o 3 1.03.20----(end of (during current year vious year) upto the end of month previous to the month under report) 5 6									
	TRICT WISE M		ON D	THLY PROGRESS OF INHABITED VILLAGE EL DURING THE YEAR (AS PER CENSUS)																
	Nos. of inhabited N villages as per v..... Census t p 4		o. illa o 3 re	N o. of inhabited Achievement from villa ges electrified up 1.4.20... to t o 3 1.03.20----(end of (during current year vious year) upto the end of month previous to the month under report) 5 6																
1	2	FORMAT-48 PERIODICITY- MONTHLY SUBMISSION BY 3RD DAY Month State/U.T No. of villages electrified Cumulative villages during the (month electrified as on																		

		under report) (end of month under report) (4+5+6)
		7

177	Sl. No.	Name of	Achievem year from 01.0 (end of t	ent 4.2 e th	DURING THE YEAR 20.....20.... (AS PER -----CENSUS)		
			to the mon		under report) 4 5	during current 0---to----- onth previous	No. of pump sets energized during the month under report
		the District					
1	2	THE GAZETTE OF INDIA: EXTRAORDINARY [PART III – SEC.4] FORMAT- 49 PERIODICITY- MONTHLY SUBMISSION- BY 3rd day DISTRICT- WISE MONTHLY PROGRESS OF ENERGISATION OF IRRIGATION PUMPSETS Month State Number of pump Cumulative pump sets sets energized as energized as on (end Remarks on 31.03.20...(end of month under report) of previous year) (4+5+6) 3 6 7					

Note: T = Total number of villages

E = No. of electrified villages

501		1000 to
999 pe T/E	to so	s 1999 persons T/E

FORMAT- 50

PERIODICITY- MONTHLY

SUBMISSION by 3RD DAY

VILLAGES ELECTRIFIED IN VARIOUS POPULATION GROUPS AND THE

POPULATION COVERED AS ON-----

States/ Below 2000 to 5000 to 10000 Total N o.

UT 500 persons 4999 persons 9999 persons And Of villages

Above

T/E T/E T/E T/E T/E

179 THE GAZETTE OF INDIA : EXTRAORDINARY [PART III - SEC.4] **FORMAT- 51**

Periodicity-Monthly

Submission by 3rd day **METERING STATUS FOR THE MONTH**_____,**YEAR**_____

State Electricity Board/ Utility _____

(1) System Metering

Sl.	Identification	Total No.	Metered	Unmetered	Defective	Type of	Requirements	PTs
No.	of system	of metering	Meters			Meters	CTs	

Sl.	element	points
No.	Total Total (4) Consumer Metering Utility Category of Consumers	
	No. of Meters	No. of Electronic Meters
	No. of Meters	No. of Electronic Meters
	No. of Meters	No. of Electronic Meters
Sl.	Consumer Metering Electronic Meters	
	No. of Meters	No. of Electronic Meters
	No. of Meters	No. of Electronic Meters
	No. of Meters	No. of Electronic Meters
No.	No. of Electronic Meters No. of Meters with Electronic Meters and communication facility No. of Electro-Mechanical Meters	
	No. of Meters	No. of Electronic Meters
	No. of Meters	No. of Electronic Meters
	No. of Meters	No. of Electronic Meters
Sl.	% Metering completed % Metering completed % Metering completed % Metering completed	
	No. of Meters	No. of Electronic Meters
	No. of Meters	No. of Electronic Meters
	No. of Meters	No. of Electronic Meters
No.	(2) 11 kV Feeder Metering Utility 11 kV Feeder Metering Remarks No. of No. of No. of Electro- Metering % Metering Feeders Mechanical completed completed Meters with communication facility Total (3) Distribution Transformer Metering Utility Distribution Transformer Metering Remarks No. of Metering DTs completed	
	No. of Meters	No. of Electronic Meters
	No. of Meters	No. of Electronic Meters
	No. of Meters	No. of Electronic Meters

No. Failed % Failure Rate

FORMAT- 52

Periodicity-Monthly

Submission by –3rd day

State Electricity Board/ Utility----- Electrical Circle /Division-----

DETAILS OF FAILURE OF DISTRIBUTION & POWER TRANSFORMERS

IN THE MONTH-----, YEAR 20-----

1. Distribution Transformer Failure

No. Rating (MVA) No. Failed % Failure Rate

Total

****Cumulative Customer Reliability Index (CCRI) =**

Type of Town

Total No.		To	tal			
of Customer of the Interruptions month during the month	D of Int d	ur Cu err urin mo	ati sto upti g t nt	n me on he h	r s	
(4 5	in	Cu Min	sto ut 6	me es)	r-	
SC -> State Capital						
-> Town with more than 8 la DH -> District Headquarter OT -> Other Town	kh	po	pul	ati	n	

= [{Col.4 * Total minutes in the Cumulative Period} - Col.8] * 100

{Col.4 * Total minutes in the Cumulative Period}

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FORMAT - 53

Periodicity-Monthly

RELIABILITY INDEX AT CUSTOMER LEVEL FOR THE MONTH _____,YEAR _____ Submission by 3rd day

State Electricity Board/ Utility _____

Sl. Urban Type Total No. of Cumulative Cumulative Monthly Monthly Monthly Cumulative Cumulative

No. Agglo-of Customers No. of Duration Average Average Customer Average No. Average

meration/ Town on last day Customer of Customer No. of Duration Reliability of Duration

Town Interruptions Interruptions Customer of Customer Index* Customer of Customer

w.e.f. 1st w.e.f. 1st Interruptions Interruptions Interruptions Interruptions

April till April till

the last day the last day

of the of the month (in Minutes) (in Minutes)

month (in Customer-

Minutes) (Col. 5/Col.4) (Col. 6/Col.4) (Col. 7/Col.4) (Col. 8/Col.4)

1 2 3 7 8 9 10 11 12 13

*Monthly Customer Reliability Index (MCRI) = [{Col.4 * Total minutes in the month} - Col.6] * 100

{Col.4 * Total minutes in the month}

Cumulative Customer Reliability Index**

14

Sl.	**Cumulative Feeder Reliability Index (CFRI) = $\frac{\{Col.4 * Total minutes in the Cumulative Period\} - Col.8}{Col.4} * 100$						FORMAT- 54		Cumulative	Cumulative
	Type of Town						Periodicity-Monthly			
	SC -> State Capital						Submission by 3rd day			
	MT -> Town with more than 8 lakh population						Monthly	Cumulative		
No.	DH -> District Headquarter						Feeder	Average No.	Average	Feeder
	OT -> Other Town						Reliability	of Outages	Duration of	Reliability
	Total Cumulative Duration No. of Outages Outages of Feeders w.e.f. 1st April till the 1st month of the year						Index*	of feeders	Outages of	Index**
	(in Feeder-Minutes)								feeders	
6 7						(in Minutes)				
						(Col. 7/Col.4)				
1	{Col.4 * Total minutes in the Cumulative Period} RELIABILITY INDICES (11 KV FEEDERS) FOR THE MONTH _____,YEAR _____ State Electricity Board/ Utility _____ Urban Type No. of Total No. Cumulative Monthly Monthly Agglo- of Feeders of Duration of Average Average meration/ Town on last Outages Outages w.e.f. No. of Duration of Town day of of feeders 1st April till Outages Outages of the during the the last day of feeders feeders month month of the month (in Minutes) (in Feeder-Minutes) (Col. 5/Col.4) (Col. 6/Col.4) 2 3 4 5 8 9 10 *Monthly Feeder Reliability Index (MFRI) = $\frac{\{Col.4 * Total minutes in the month\} - Col.6}{Col.4} * 100$ {Col.4 * Total minutes in the month}						(%)	(Col. 7/Col.4)	(%)	
							11	12	13	14

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FORMAT- 55

Periodicity – Annual

Submission by 30th April

FINANCIAL TURN AROUND OF POWER DISTRIBUTION FOR THE FINANCIAL

YEAR _____

Name of Utility _____

Sl. No.	Item	Unit	
1	Unit Input	MkWh	
2	Total Revenue Earned	Rs. Crores	
2.1	Tariff Income (Amount Realized Net of E Tax)	Rs. Crores	
2.2	2.2 Non-Tariff Income	Rs. Crores	
2.3	Other	Rs. Crores	

3	Total Expenditure	Rs. Crores	
3.1	Employee Cost (Incl. SVRS Amortisation)	Rs. Crores	
3.2	3.2 A & G Expenses	Rs. Crores	
3.3	3.3 Repair & maintenance Expenditure	Rs. Crores	
3.4	3.4 Depreciation	Rs. Crores	
3.5	3.5 Return On Equity	Rs. Crores	
3.6	Interest	Rs. Crores	
3.7	3.7 Power Purchase cost	Rs. Crores	
4	Ratio of Revenue Earned to Expenditure		

184	THE GAZETTE OF INDIA: EXTRAORDINARY [PART III – SEC.4]
-----	--

FORMAT-56 Periodicity – Annual Submission by 30th April **AGGREGATE TECHNICAL & COMMERCIAL (A T & C) LOSSES FOR THE FINANCIAL YEAR**

Name of Utility _____

Sl. No.	Item	Unit	
1	Self Generation	MkWh	
2	Purchased from Central Power Sector Utilities	MkWh	
3	Purchased from other Utilities	MkWh	
4	Total Units (UIT) (1+2+3)	MkWh	
5	Units Traded with other Utilities (UT)	MkWh	
6	Units Utilised within Licensed Area (U1) = {(4)-(5)}	MkWh	
7	Units Billed within Licensed Area (UB)	MkWh	
8	Amount Billed within Utility Area (AB)	Rs. Crores	
9	Amount Realised within Utility Area (AR)	Rs. Crores	
10	Collection Efficiency (CE = AR / AB)	--	
11	Units Realised (UR) = (UB * CE)	MkWh	
12	AT&C Losses (U1 – UR)	MkWh	
13	AT&C Losses {1 – (UR/U1)} * 100	%	

185	THE GAZETTE OF INDIA: EXTRAORDINARY [PART III - SEC.4]	March
Nitrogen (%): Sulphur (%): Oxygen (%): GCV (kcal/kg): Unburnt Combustibles For Each Unit (month-wise): Unit No. : ----- In Bottom Ash (%) In Fly Ash (%) : : : : : : : : April		March

				Ma	y		
		En	di	ng	Ju	ne	
				Ma	y		

June

	Jul	y		A	ug	us	t
		E	ndi	ng	S	ept	em
	Jul	y		A	ug	us	t

ati	on	c	ap	a	it	y:				
pte	mb	er	O	ct	ob	er				
pte	m	ber	O	ct	ob	er				

NovemberDecember January February FORMAT - 57

Periodicity- Monthly Submission-by the 20th day Fuel Data of Fossil Fuel Based Thermal Power Stations for the month 20--- Name of utility:

Name of power station

Month-wise Data: April June NovemberDecember January February Fuel Type:

Proximate analysis:

GCV (kcal/kg):

Fixed Carbon (%):

Ash (%):

Volatile matter (%):

Moisture (%):

Quarterly Data: Ending December Ending March Ultimate analysis:

Total Carbon (%):

Hydrogen (%):

186 THE GAZETTE OF INDIA : EXTRAORDINARY [PART III - SEC.4]

FORMAT-58

Periodicity- Monthly

Submission-by 20th day

HEAT RATE DATA OF COAL/LIGNITE BASED THERMAL POWER STATIONS FOR MONTH YEAR 20.....20.....

1.0 General:

(i) Station Name: -----

(ii) Station Capacity: -(No. of units with size)

2.0 Design parameters for the Station:

Unit No.	Unit	Date of	Make	Boiler	Turbine	Unit Heat Rate	Weighted Design Station
Capacity		commissio	Efficiency		Heat Rate	(Col.7x100)/ Col.6	Heat Rate w.r.t. Capacity
(MW)		ning	Boiler	Turbine	(%)	(kcal/kWh)	(kcal/kWh)

1 2 3 4 5 6 7 8

May

March

Weighted/

Total For

The Year

(April -

March)

:

:

:

:

consumption during the month Col.(2+4-3) (Tonnes)		du	ring the Coal / month Lignite (kcal/kg)						
5			6 7						
						We av	igh era	ted ge	

	9								
Oil Consu	mp	tion	(kl)			Spe O	cific il		Avg. GCV of Oil
	9				C (C	ons o ml/k ol.(	um n Wh 9)/(	pti) 6)	(kcal/l) 11
									Weighted average

U-1

:

:

:

:

Un

Station

3.0 Operational Performance Data For The Station (month-wise) For The Year : -----

Month Coal / Coal / Coal / Total Coal / Generation Average Specific Coal / Actual Station

Lignite Lignite Lignite (MkWh) GCV of Lignite Heat Rate

stocks at stocks at received Consumption Col.(7x8) +

the the end of during the (kg/kWh) Col. (10x11)/1000

beginning the month month Col.(5)/{(6)*1000} (kcal/kWh)

of the (Tonnes) (Tonnes)

month

1 2 3 4 8 12

April

187 THE GAZETTE OF INDIA : EXTRAORDINARY [PART III - SEC.4]

FORMAT - 59

Periodicity- Monthly

Submission-by 20th day

HEAT RATE DATA OF COMBINED CYCLE GAS TURBINE POWER STATIONS FOR MONTH YEAR.....20.....20

1.0 General:

i) Station Name: -----

Total (March
Weighted/AV.

to March)

March

April

May

1

:

:

:

:

beginning of

the month

(kl)

2

of the month

(kl)

3

during the

month

(kl)

4

5		6							

during the month

CoL.(2+4-3)

(kl)

(kcal/l)

7

Specific Liquid fuel Consumption (l/Kwh) (5)/(6)*1000)	G	as (m	Co (at illio	nsu S.T. n C	mp P.) u.	tio m)	n	Sp Co (C	Sp ecific Gas Co nsumption (Cu.m/kWh) (9)/(6)
8				9					10

(kcal/Cu. m)

S.T.P.)

11 ii) Station Capacity: (No. of units with size)

2.0 Design parameters for the Station:

No. of Modules Module Date of Make Module Heat Weighted

Capacity commissioning Gas Turbine Steam Turbine Rate (kcal/kWh) Design Station.

(MW) (if any) Heat Rate

w.r.t.Capacity

(kcal/kWh)

1 2 3 4 5 6 7

Module# 1

:

:

:

:

Module# n

3.0 Operational Performance Data For The Station For The Year : -----

Actual Station
Heat Rate
CoL.(7x8+10x11)
kcal/kWh)
12

Month Liquid fuel Liquid fuel Liquid fuel Total Liquid fuel Generation Average GCV Average GCV stock in the stock at the end received consumption (MkWh) of Liquid Fuel of Gas (at	
---	--

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Periodicity- Monthly

Submission-by 20th day

MONTHLY ENVIRONMENTAL DATA OF THERMAL POWER PLANTS

NAME OF THERMAL POWER STATION :

I. STACK EMISSIONS (UNIT WISE AND MONTH WISE)

UNIT NO.	DATE	SPM (mg/Nm3)	SO 2	(mg/Nm3)	NO	(mg/Nm3) X

II. AMBIENT AIR QUALITY (MONTH WISE)

(AS PER CPCB NOTIFICATION No. S.O.384E dt. 11.4.94)

PARAMETERS	LOCATION-I (POWER STATION)	LOCATION-II (COLONY)	LOCATION-III (OUTSIDE THE PLANT WITHIN 20 KM.)	METHOD OF MEASUREMENT
SPM (µg/m3)*				
SO2 (µg/m3)*				
NOX (µg/m3)*				
RPM (µg/m3)*				
LEAD (µg/m3)*				
CO (mg/m3)**				

* 24 HOURS WEIGHTED AVERAGE

** 8 HOURS WEIGHTED AVERAGE

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III. LIQUID EFFLUENT DISCHARGE DATA

A. CONDENSER COOLING WATER (MONTH WISE)

Rise in inlet to outlet temperature oC	
pH	
Free available chlorine (mg/litre)	

* Amended as per EPA Notification GSR 7 dt. 22nd Dec.1998

B. BOILER BLOW DOWN (MONTH WISE AND UNIT WISE)

Oil & Grease (mg/litre)	
Copper (mg/litre)	
Iron (mg/litre)	
Total Suspended Solids (mg/litre)	

C. COOLING TOWER BLOW DOWN (MONTH WISE AND UNIT WISE)

Free av. Chlorine (mg/litre)	
Zinc (mg/litre)	
Chromium (mg/litre)	
Phosphate (mg/litre)	

D. ASH POND EFFLUENTS (MONTH WISE)

pH	
Oil & grease (mg/litre)	
Total suspended solids (mg/litre)	

Source : EPA Notification S O 844(E) dt. 19th Nov. 1986

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Format-61 Periodicity- Monthly Submission by- 7th day MONTHLY PEAK HOURS GENERATION DATA BY COAL/LIGNITE BASED OR COMBINED CYCLE GAS TURBINE (CCGT) POWER STATIONS

i) Name of Station:

ii) Station Capacity:

iii) No. of Units with size:

iv) Duration of Peak Hours:

Morning Peak 4 Hrs:

Summer: 5 Hrs to 9 Hrs

Winter : 6 Hrs to 10 Hrs

Evening Peak 4 Hrs:

Summer: 18 Hrs to 22 Hrs

Winter : 17 Hrs to 21 Hrs

v) Peak Hours Generation Data for Thermal Power Stations for the year : _____

S. No.	Month	Energy recorded during morning peak 4 hours block	Energy recorded during evening peak 4 hours block	Total energy recorded during peak hours [(3) + (4)]
		(GWh)	(GWh)	(GWh)
-(1)-	-(2)-	-(3)-	-(4)-	-(5)-
1	April			
2	May			
3	June			
4	July			
5	August			
6	September			
7	October			
8	November			
9	December			
10	January			
11	February			
12	March			
	Total			

Note: A copy of the meter print out covering details of energy meter readings on half hour/ fifteen minutes basis for the morning & evening peak hours must be enclosed failing which data would be considered as incomplete.

Date: Signature with Name & Designation of forwarding Officer

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Format 62 Page 1/3 Periodicity ... Annually Submission by 30th June **GENERATING COMPANY DATA FOR FINANCIAL STUDY**
Separately for each generating station for the financial Year.....

Name of the Company

(a) Ownership -State Owned / JV / IPP

(b).Address of the Company

(c) Phone No./ FAX /E-Mail address

(d) Name & Address of the Generating Station

(e)Phone No. /Fax No./e-mail address of the Generating Station

(A)TECHNICAL PARTICULARS

1Installed capacity MW

2Date of Commercial Operation

3Energy generated MkWh

4(a) Auxiliary Consumption MkWh

(b) Free Power MkWh

5Power Sold {3 - 4(a) - 4(b)} MkWh

PPA MkWh

Regulated MkWh

Free Sale MkWh

Others MkWh

6Availability Factor * %

7Plant Load Factor ** %

8Specific coal consumption (Kg/kWh)

9Specific Secondary oil consumption (ml/kWh)

10Completed Cost Rs. Cr.

11Cost of generation (P/kWh)

12Electricity Duty/Taxes (P/kWh)

13Fuel cost Adjustment (P/kWh)

14D M Water Consumption Ltr/kWh

(B)FINANCIAL PARTICULARS (as per Annual Report)

1. Revenue Income

a) Sale of Power Rs. Cr.

b) Misc. Income Rs. Cr.

Total Rs. Cr.

2. Revenue Expenditure

I) Fixed Charges

a) Interest & financing Charges Rs. Cr.

b) Interest on Working Capital Rs. Cr.

c)Return on Equity Rs. Cr.

d)Tax on Income Rs. Cr.

e)Incentive Rs. Cr.

f)Depreciation Rs. Cr.

g)O&M Expenses (total i) to viii) below) Rs. Cr.

i) Spares and Consumables Rs. Cr.

ii) Employee Cost Rs. Cr.

iii) Adm. & Gen Expenses Rs. Cr.

iv) Insurance Charges Rs. Cr.

v) Training Rs. Cr.

vi) R&D Rs. Cr.

vii) Water Charges Rs. Cr.

viii) Others Rs. Cr.

h)Energy Purchase Rs. Cr.

i) Any other Rs. Cr.

Total(I) Fixed Charges (a to i) Rs. Cr.

Unit-1	Unit-2	Unit-3	Unit-4	Unit-5	Station Total

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Periodicity ... Annually

Submission by 30th June

II) Variable Charges								
			Unit-1	Unit-2	Unit-3	Unit-4	Unit-5	Station Total
a) Main Fuel Expenses	Rs. Cr.	Main Fuel cost						
Transportation Cost								
Total (a)	Rs. Cr.							
b) Secondary Fuel Expenses		Fuel Cost						
Transportation Cost	Rs. Cr.							
Total (b)	Rs. Cr.							
Total (II) Variable Charges (a+b)								
Total Fixed & Variable Charges (I+II)	Rs. Cr.							
c) Taxes/ Duties included in variable Charges	Rs. Cr.	Taxes/ Duties on primary fuel						
VAT on transport of primary fuel								
Taxes/ Duties on secondary fuel	Rs. Cr.							
VAT on transport of secondary fuel	Rs. Cr.							
3Profit / (Loss) (before Tax)	Rs. Cr.							
Provision for Tax	Rs. Cr.							
Profit / (Loss) (after Tax)	Rs. Cr.							
4Sources of Fund	Rs. Cr.	a) Equity						
I) Paid-up Capital								
ii) Reserves and Surpluses	Rs. Cr.							
b) Loans	Rs. Cr.							
I) Secured								

ii)	Un Secured	Rs. Cr.
Total	(a+b)	Rs. Cr.
5Application of Funds		Rs. Cr.
a) Gross Block		
b) Less: Accumulated Depreciation		Rs. Cr.
c) Net Block		Rs. Cr.
d) Capital Works in Progress		Rs. Cr.
e) Investments		Rs. Cr.
-in Power Sector		
-outside Power Sector		Rs. Cr.
f)	Current Assets, Loans and Advances	Rs. Cr.
I)	Inventory	
ii)	Receivables#	Rs. Cr.
iii)	Advances	Rs. Cr.
iv)	Cash & Bank Balance	Rs. Cr.
Total (f)		Rs. Cr.
g)Less: Current Liabilities and Provision		Rs. Cr.
I)	Current Liabilities	Rs. Cr.
ii)	Provisions	Rs. Cr.
Total (I+II)		Rs. Cr.
h) Net Current Asse (f-g)		Rs. Cr.
i)	Misc. Expenditure	Rs. Cr.
Total	(c+d+e+h+i)	Rs. Cr.
6	Investment during the Year	Rs. Cr.
7	Assets created during year***	

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Periodicity ... Annually

Submission by 30th June

Notes:

N

* Availability = $1000 \times \sum DC_i / \{N \times IC \times (100 - AUX_n)\} \% i = 1$

Where,

IC = Installed Capacity of the generating station in MW,

DC_i = Average declared capacity for the 1st day of the period in MW,

N = Number of days during the period, and

AUX_n = Normative Auxiliary Energy Consumption as a percentage of gross generation;

N

** PLF = $10000 \times \sum SG_i / \{N \times IC \times (100 - AUX_n)\} \% i = 1$

Where,

IC = Installed Capacity of the generating station in MW,

SGi = Scheduled Generation in MW for the 1st time block of the period, N = Number of time blocks during the period, and

AUXn = Normative Auxiliary Energy Consumption as a percentage of gross generation;

Reference: Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2004 dated 26th March 2004.

Website: www.cercind.org

*** Please furnish complete details of all the assets created during the year

Details of Receivables:

Sl No	Source	At beginning of year	At end of year
1			
2			
3			
4			

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Periodicity ... Annually

Submission by 30th June

TRANSMISSION COMPANY DATA FOR FINANCIAL STUDY

Name of the Company

(a) Date of obtaining license and its validity period

(b) Ownership -State Owned / JV / IPP

(c). Address of the Company

(d) Phone No.

FAX

E-Mail address

(e) Region of Transmission

A TECHNICAL PARTICULARS

1.Length of Lines

2	i)400KV	Ckt kms	No. of Transformers
	ii)220KV	Ckt kms	
	iii)132KV	Ckt kms	
	iv)Any Other	Ckt kms	
	Details of Sub. Stations		
	MVA of S/S	No. of Sub. Stations	

400 KV (400 / 220 KV)

(400 /132 KV)

220 KV (220 /132 KV)

(220/66 KV)

(220/33 KV)

(220 /11 KV)

132KV (132/66KV)

(132/33KV)

(132/11KV)

Any other

3Service Failure No. of hrs.

Total system

50% or more

30% to 50%

10% to 30%

1 to 10%

Less than 1%

4Transmission Losses (Technical)

(in their own system)

5	Total Units Wheeled	MkWh
6a	Transformer failures during the year	Nos.
b	Average time taken to replace	Hrs.

damaged transformer

B FINANCIAL PARTICULARS (as per Annual Report)

1Revenue Income

a) Wheeling of Power Rs. Cr.

b) Misc. Income Rs. Cr.

c) Subsidy Rs. Cr.

Total(1) Rs. Cr.

2Revenue Expenditure

Fixed Charges

a)	Interest & financing Charges		Rs. Cr.
b)	Depreciation		
c)	O&M Expenses		Rs. Cr.
	i)	Spares and Consumables	
d)	ii)Employee Cost		Rs. Cr.
	iii)Adm. & Gen Expenses		Rs. Cr.
	iv)Insurance Charges		Rs. Cr.
	v)Training		Rs. Cr.
	vi)R&D		Rs. Cr.
	viii)Others		Rs. Cr.
	Provisions		Rs. Cr.
	Total(a+b+c+d)		Rs. Cr.

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Periodicity ... Annually

Submission by 30th June

3Profit / (Loss) (before Tax) Rs. Cr.

Provision for Tax Rs. Cr.

Profit / (Loss) (after Tax) Rs. Cr.

4Sources of Fund

a) Equity

I)	Paid up Capital	Rs. Cr.
ii)	Reserves and Surpluses	Rs. Cr.

b) Loans

Total	I)	Secured	Rs. Cr.
	ii)	Un Secured	Rs. Cr.

		(a+b)	Rs. Cr.
--	--	-------	---------

5Application of Funds

a) Gross Block Rs. Cr.

b) Less Accumulated Depreciation Rs. Cr.

c) Net Block Rs. Cr.

d) Capital Work in Progress Rs. Cr.

e) Investments

6	f)	in Power Sector		Rs. Cr.
		outside Power Sector		Rs. Cr.
		Current Assets, Loans and Advances		
	g)	I)	Inventory	Rs. Cr.
		ii)	Receivables	Rs. Cr.
		iii)	Advances	Rs. Cr.
		iv)	Cash & Bank Balance	Rs. Cr.
		Total (f)		Rs. Cr.
		Less Current Liabilities and Provision		Rs. Cr.
	h)	I)	Current Liabilities	Rs. Cr.
		ii)	Provisions	Rs. Cr.
		Total (i+ii)		Rs. Cr.
		Net Current Assets	(f-g)	Rs. Cr.
	i)	Misc. Expenditure		Rs. Cr.
	Total	(c+d+e+h+i)		Rs. Cr.
Investment during the year		Rs. Cr.		
Assets created during the year				
7				

8Electricity Duty / Taxes if applicable

9Number of Employees

10	Technical	Nos.
	Non technical	Nos.
	Persons Trained during year	Nos.

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Periodicity Annually

Submission by 30th June

DISTRIBUTION COMPANY DATA FOR FINANCIAL STUDY

For the financial Year.....

Name of the Company

(a) Date of obtaining license and its validity period

(b) Ownership -State Owned / JV / IPP

(c). Address of the Company

(e) Phone No./ FAX /E-Mail address

1Energy Purchased

Sl. No.	Sources	Units Purchased kWh	Cost Rs Cr.
a			
b			
c			
	Total		

2 Units (Energy) Billed	kWh
3 Realised Units	kWh

(a)	Technical losses	%
(b)	Commercial losses (see foot note)	%
(c)	Collection Efficiency (from col.11 of table 5)	%
(d)	AT&C Losses [4(b) /4(c)]	%

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Periodicity Annually**Submission by 30th June**

5Details of Energy Consumption

[illegible]

Water works/ irrigation public works hStreet lighting ILicensees jOthers										
TOTAL										

6Average waiting period for obtaining new connection

a	Domestic	days
b	Commercial	days
c	Industrial	days

7Length of EHT lines.....CktKm.

Length of HT lines.....Ckt Km.

Length of LT lines.....Ckt Km.

8Availability of distribution Net work (%) =(Nos. of hours for which network was available/Total no. of hours) x 100

Foot Note: 4(b) Commercial losses = (Energy purchased- Energy billed)/Energy purchased =[Total(1)-(2)]/Total(1)

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Periodicity Annually

Submission by 30th June

(B) FINANCIAL PARTICULARS (as per Annual Report)

1Revenue Income

a	Sale of Power		Rs. Cr.
b)	i)	Misc. Income	Rs. Cr.
	ii)	) Subvention Received from State Govt.	Rs. Cr.
	Total (1)		Rs. Cr.

2Revenue Expenditure

Fixed Charges

a)	Interest & financing Charges	Rs. Cr.
b)	Depreciation	
c)	O&M Expenses	

Rs. Cr.

d)	i)	Spares and Consumables	Rs. Cr.
	ii)Employee Cost		
	iii)Adm. & Gen Expenses		Rs. Cr.
	iv)Insurance Charges		Rs. Cr.
	v)Training		Rs. Cr.
	vi)R&D		Rs. Cr.
	viii)Others		Rs. Cr.

	Provisions	Rs. Cr.
	Total(a+b+c+d)	Rs. Cr.

3Profit / (Loss) (before Tax)

Tax Provision for Tax Rs. Cr.

Profit / (Loss) (after Tax) Rs. Cr.

4Sources of Fund

a) Equity

I)	Paid-up Capital	Rs. Cr.
ii)	Reserves	Rs. Cr.

b) Loans

c)	I)	Secured	Rs. Cr.
	ii)	Un Secured	Rs. Cr.
	Consumer Contribution		Rs. Cr.
	Total(a+b+c)		Rs. Cr.

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Periodicity Annually

Submission by 30th June

5Application of Funds

a) Gross Block Rs. Cr.

b) Less Accumulated Depreciation Rs. Cr.

c) Net Block Rs. Cr.

d) Capital Work in Progress Rs. Cr.

e) Investments

6	f)	in Power Sector		Rs. Cr.
		outside Power Sector		Rs. Cr.
		Current Assets, Loans and Advances		
	g)	I)	Inventory	Rs. Cr.
		ii)	Receivables	Rs. Cr.
		iii)	Advances	Rs. Cr.
		iv)	Cash & Bank Balance	Rs. Cr.
		Total (f)		Rs. Cr.
		Less Current Liabilities and Provision		Rs. Cr.
	h)	I)	Current Liabilities	Rs. Cr.
		ii)	Provisions	Rs. Cr.
		Total (i+ii)		Rs. Cr.
		Net Current Assets	(f-g)	Rs. Cr.
	i)	Misc. Expenditure		Rs. Cr.

	Total	(c+d+e+h+i)	Rs. Cr.
		Investment during the year	Rs. Cr.
7		Details of assets created during the year	p/unit
8		Electricity Duty/ Taxes	
9		Fuel Cost Adjustment	p/unit
10		Total Number of Employees	Nos.
		Technical	
11		Non technical	Nos.
		Persons Trained during the year	Nos.

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Periodicity - Monthly

Submission by 20th day

MONTHLY ABSTRACT OF ASH GENERATION AND UTILISATION Name of the Entity.....

NAME OF POWER PLANT.....

Installed capacity [Total MW] 15 year action plan.....[MW]

9 year action plan.....[MW]

S.	YEAR.....		Ash	LTPM--[LAKH TONNES PER MONTH]			Bricks	Cement	Concrete	ASH UTILIZATION IN THE MAIN AREAS [LTPM]				Mine fill	Others/
				Ash	%age					Hydro		Agriculture/			
No.	Month	Coal	content	Generation	Ash Utilized	utilization				Roads &	Sector	Ash dyke			
1	consumed		%age	LTPM	LTPM		8	9	10	Embankment		raising	Wasteland	15	High value
	LTPM		4							11	12	13	14		added areas
	2	3		5	6	7				16					

1APRIL

2MAY

3JUNE

4JULY

5AUGUST

6SEPTEMBER

Half yearly Sub-total

7OCTOBER

8NOVEMBER

9DECEMBER

10JANUARY

11FEBRUARY

12MARCH

TOTAL

ANNUAL (MTPA)

NOTE:

MTPA - Million Tonnes per Annum