

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 _x (mg/Nm3)

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)*				
SO ₂ (µg/m3)*				
NO _x (µg/m3)*				
RPM (µg/m3)*				
LEAD (µg/m3)*				
CO (mg/m3)**				

* 24 HOURS WEIGHTED AVERAGE

** 8 HOURS WEIGHTED AVERAGE

Format for furnishing information by a **POWER DISTRIBUTION COMPANY**

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
- (d) Area(s) of Distribution(Names), Area in sq.km., population and maps
- (e) Phone No./ FAX /E-Mail address

(A) TECHNICAL PARTICULARS

1 Energy Purchased

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

2 Units (Energy) Billed kWh

3 Realised Units kWh

4 Distribution Losses

- (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)] %

5 Details of Energy Consumption

1	Consumers	No. of consumers				Consumption kWh	Tariff	Billed Revenue	Realised Revenue	Collection Efficiency
		Metered	Unmetered	Flat Rate	Total		paaise/Unit Slabwise	Rs Cr.	Rs Cr.	(10/9)
		3	4	5	6	7	8	9	10	11
a	Domestic (Slabwise)									
	Slab 1									
	Slab 2									
	Slab 3									
	Slab 4									
b	Non-domestic (Commercial)									
c	Industrial									
	EHT >33KV									
	HT >650Volts<<33KV									
	LT upto 650 Volts									
d	Agriculture									
	HT(Metered)									
	LT(Metered)									
	LT(Unmetered)									
e	Railways Traction									
f	Bulk Supply									
g	Water works/ irrigation public works									
h	Street lighting									
i	Licensees									
j	Others									
	TOTAL									

6 Average waiting period for obtaining new connection

- a Domestic days
- b Commercial days
- c Industrial days

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

Length of HT lines.....CktKm.

Length of LT lines.....CktKm.

8 Availability 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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(B) FINANCIAL PARTICULARS (as per Annual Report)

1 Revenue 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.

2 Revenue Expenditure

Fixed Charges

a)	Interest & financing Charges	
b)	Depreciation	Rs. Cr.
c)	O&M Expenses	Rs. Cr.
	i) Spares and Consumables	
	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.
d)	Provisions	Rs. Cr.
	Total (a+b+c+d)	Rs. Cr.

3 Profit / (Loss) (before Tax)

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

4 Sources of Fund

a) Equity		
	i) Paid-up Capital	Rs. Cr.
	ii) Reserves	Rs. Cr.
b) Loans		
	i) Secured	Rs. Cr.
	ii) Un Secured	Rs. Cr.
c) Consumer Contribution		Rs. Cr.
	Total (a+b+c)	Rs. Cr.

5 Application 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	
in Power Sector	Rs. Cr.
outside Power Sector	Rs. Cr.
f) Current Assets, Loans and Advances	
I) Inventory	Rs. Cr.
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 Assets (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 Details of assets created during the year	
8 Electricity Duty/ Taxes	p/unit
9 Fuel Cost Adjustment	p/unit
10 Total Number of Employees	
Technical	Nos.
Non technical	Nos.
11 Persons Trained during the year	Nos.

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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