

PRAGATI POWER CORPORATION LIMITED
(Environment Department, O&M Building, Rajghat Power House, New Delhi-110002)

No.: GM (Chem & Env.)/PPCL-III/

Dated:

Member Secretary,
Delhi Pollution Control Committee,
4th Floor, ISBT Building,
Kashmere Gate,
Delhi -110006.

Subject: Annual Environment Statement 2018-2019.

Please find enclosed herewith Environment Statement Form –I for the year 2018 – 2019 in respect of Pragati Power Station (PPS-III), Bawana of Pragati Power Corporation Limited [PPCL].

It is for your kind information & record please.

Encl: A,B,C,D,E,F,G

(R.S.Subramaniam)
Dy General Manager
Chem. & Env.
IPGCL – PPCL

Cc:

GM (T) PPS-III
GM (Chem. & Env.)
Manager (T) Opn.
Dy. Manager (T) Env. / Office Copy

FORM-I
ANNUAL ENVIRONMENTAL STATEMENT

FOR THE YEAR 2018-2019
PRAGATI POWER STATION-III
PRAGATI POWER CORPORATION LIMITED

PART - A

1. Name & Address of the Owner/
Occupier of the industry operation
or process. : OWNER Govt. of National
Capital Territory
Of Delhi.

: OCCUPIER GM (Tech), PPS-III
Pragati Power Corp. Ltd.
2. Industry Category Primary (STC Code) : Orange Category
Secondary (STC Code)
3. Generation Capacity : 1500 MW (Electricity)
4. Year of Establishment : 2014
5. Date of last Environmental Statement
Submitted :

PART - B

Water & Raw Water Consumption

(1) Water Consumption in m³ per year

	2018-19	Remarks
Gross Energy Generation (MU)	3620.602	
Process Cooling Water (KL) (Treated Water from STP)	3675250	Cooling system is closed cycle
Domestic Water (KL)	7510	
Total Water Consumption (KL)	3682760	

Name of the product	Process water consumption drawn as per product output
Electricity Generation	Current Financial Year 2018-19
Process Water (Ltr./kwh)	1.017

(2) Raw Material consumption

Name of the Product	Name of raw material	Consumption of raw material / unit of output	
			During current Financial Year 2018-19
Electricity Consumption (AUX) 3.64%	Natural Gas	Total Consumption (scm)	741408541
		Specific Consumption (scm/kwh)	0.204

PART - C

Pollution discharged to environment / units of output (approx.)

(1) Water – Treated Effluent Discharged

		Quantity	Average Concentration	% variation from prescribed standards with reasons
Water -Treated Effluent Discharge		1752000 m ³ APPROX.		
Unit	Limit			
pH	6.5 – 8.5		pH- 7.52	Nil
TSS	< 50 ppm		TSS - 47.94 ppm	Nil
Oil & Grease	< 10 ppm		Oil & Grease- 8.78 ppm	Nil
BOD	< 30 ppm		BOD – 12.59 ppm	Nil
COD	< 250 ppm			

(2) Air (Stack Emission)

Pollutant	Qty. of pollutant discharged (kg/day)	Concentration of pollutants discharged (ppm)	% of variation from prescribed standards with reasons
SPM	NIL	NIL	
NOx (35ppm)	NA	NOx level within prescribed limits of ≤ 35 ppm	
SOx	N/A	NIL	

PART – D

As specified under Hazardous Waste (Management, Handling & Trans-boundary Movement) Rules, 2008

Hazardous Waste	Total Quantity
	2018-19
a) From Process Used / Spent Oil Spent Resin	10 KL Spent resin quantity - NIL
b) From Pollution Control Facility	

PART – E

Solid Waste:

Solid Waste	Total Quantity in kg.
	2018-19
a) From Process (ETP sludge)	500 MT APPROX
b) From Pollution Control Facility	
c) i) Quantity recycled or re-utilized within limit	1)500 MT sludge
ii) Solid	2)Sludge utilized for landfill within the plant
iii) Disposed	3)NIL

PART – F

S.No.	Name of HW/Solid Waste	Quantity	Type / Nature	Mode of Disposal
1.	Used /Spent Oil	10 KL	Inflammable	Disposed through register recycler
2.	Spent Resin	NIL	Inflammable	NA

PART – G

Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production.

1. The NO_x level is maintained below the stipulated limit of 35 ppm. Dry Low NO_x Burners installed for this purpose are maintained properly. Periodic maintenance is carried out for their efficient functioning. Expenditure for USD 9,233,163.51 excluding Custom Duty incurred on Maintenance of DLN Burner.
2. The process specific gas consumption in the FY 2018-19 has been **0.204 scm/kwh.**
3. The process water requirement is met through treated sewage water Sewage Treatment Plants. Expenditure for Rs. 5,27,41,616.00 incurred on O&M of STPs.
4. The process specific water consumption in the FY 2018-19 has been **1.017 Ltr./kwh.**
5. Expenditure for Rs. 36,24,924.00 incurred on Horticulture & Development works.
6. PPCL celebrated World Environment Day 2018 by organizing Tree Plantation drive at Pragati Power Station – III, Bawana.