

Ref: FPL/BDK/HSE/386/2022-23  
Dtd.15.11.2022

**To**

**Member Secretary**

State Environment Impact Assessment Authority (SEIAA), ORISSA,  
Ministry of Environment and Forest Government of India  
Qr. No. - 5RF-2/1, Unit-IX  
Bhubaneswar - 751022, (Odisha).  
Email: [seiaaorissa@gmail.com](mailto:seiaaorissa@gmail.com)

**Ref :** 1. **Environment Clearance letter Ref No. 538 /SEIAA dtd. 21.10.2011**  
2. **Name of the Project:** Environment Clearance for expansion of CPP from 45 MW to 100 MW of  
M/s. FACOR Power Ltd. at Randia in the District of Bhadrak.

**Sub :** **Submission of Six Monthly Compliances Report against Environment Clearance letter No. :**  
**Ref No. 538 /SEIAA dtd. 21.10.2011, issued to M/s. FACOR Power Ltd. for the period from**  
**April 2022 to September-2022.**

**Dear Sir,**

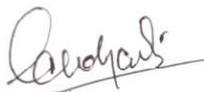
In compliance to the Stipulated Condition No.29 of the Environment Clearance letter No.538/SEIAA dtd. 21.10.2011 issued by your good office, we are submitting herewith Six-Monthly Compliance Report with respect to M/s Facor Power Limited for the period from April 2022 to September 2022.

The monthly Environmental Monitoring data and other required information with respect to compliance of the said Six-Monthly compliance for the period from April 2022 to September 2022 are also enclosed herewith for your kind perusal and records.

Thanking you

Yours faithfully

**For FACOR Power Ltd.**



**G C Mohanty**  
**Factory Manager- PP**

Enclosed: As above.







32	xxxi i	The project proponent shall advertise in at least two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned within seven days from the date of this clearance letter informing that the project has been accorded environmental clearance and copies of clearance letter are available with the State Pollution Control Board and SEIAA.	The project proponent was advertised in local newspaper dated 11.05.2009. Copy enclosed herewith as <b>Annexure-6</b> .
33	xxxi ii	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad / Municipal Corporation, urban local body and the local NGO, if any, from whom suggestions/ representations, if any received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.	A copy of the Environment Clearance letter was sent by the Project Proponent to the concerned Panchayat, Zila Parishad / Municipal Corporation, Urban Local body and the Local NGO. Report is enclosed in <b>Annexure -7</b> . Copy of EC has been displayed in company website.
34	xxxi v	The environment statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986. as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of the Ministry by e-mail.	The Environment statement in Form-V is being submitted to the Board annually and the same will be put on the website of the company. <b>Copy enclosed in Annexure -8</b> .
35	xxx v	The above mentioned stipulated conditions shall be complied in time bound manner. Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract penal action under the provisions of Environment Protection (EP) Act, 1986.	Agree to abide.



  
**FACTORY MANAGER**  
**FACOR POWER LIMITED**  
**D.P. NAGAR, RANDIA**  
**BHADRAK, ODISHA-756101**







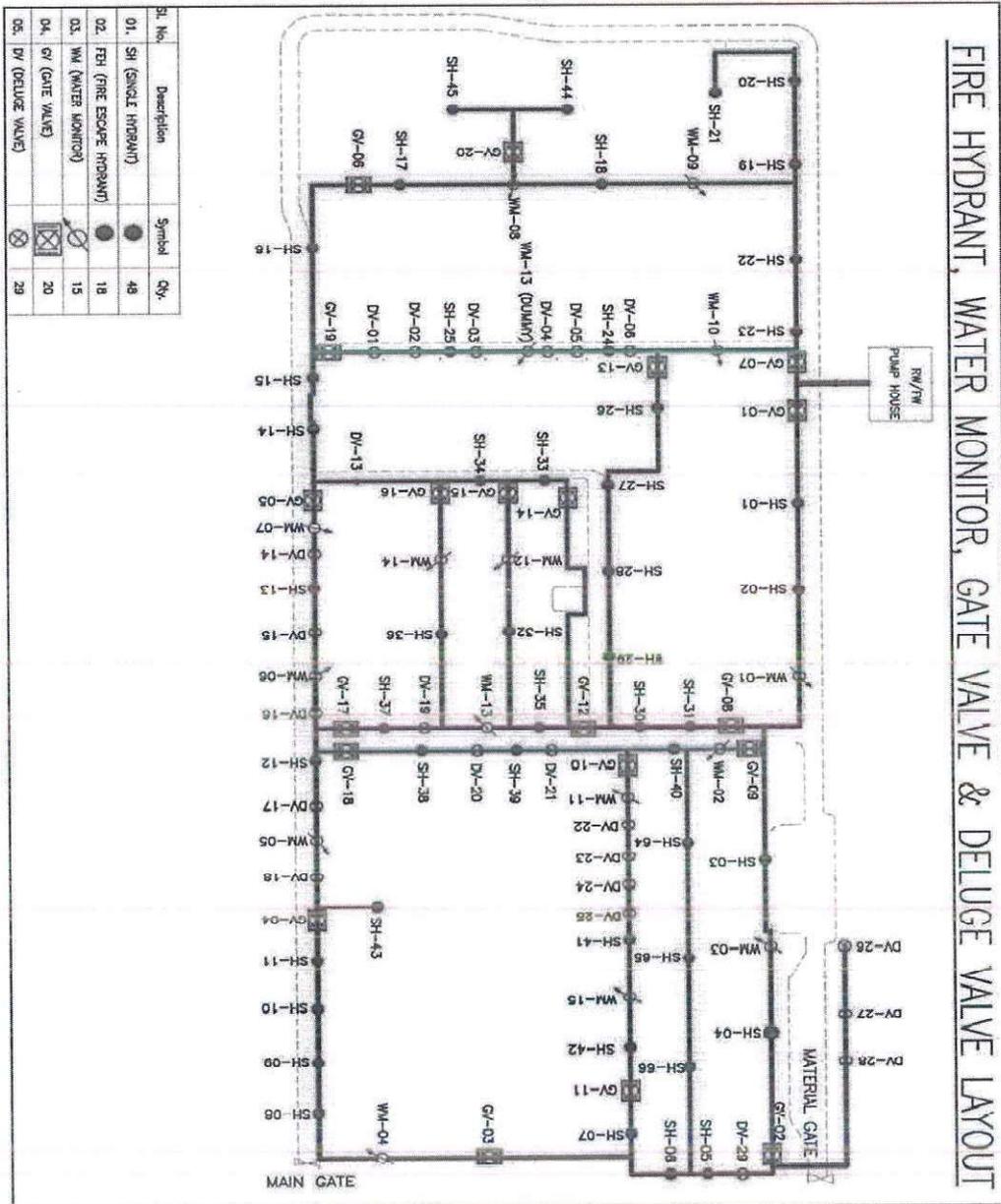






**Annexure.2**

**FIRE HYDRANT, WATER MONITOR, GATE VALVE & DELUGE VALVE LAYOUT**







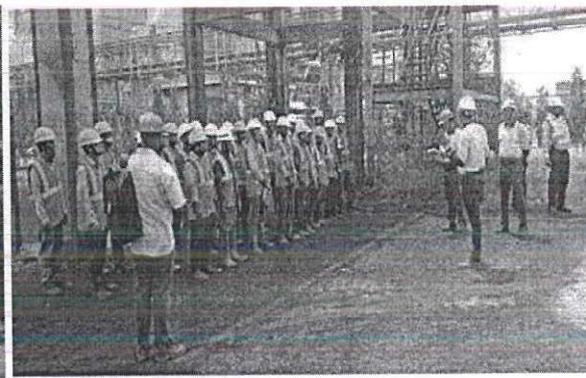
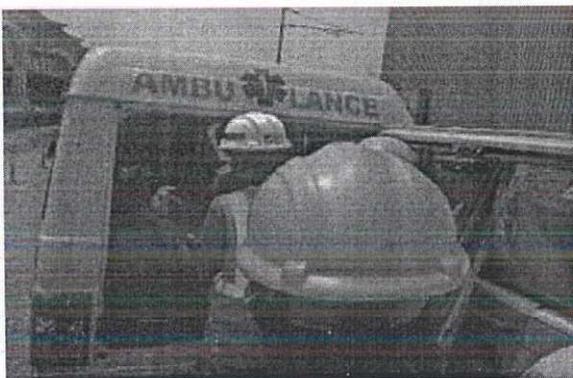
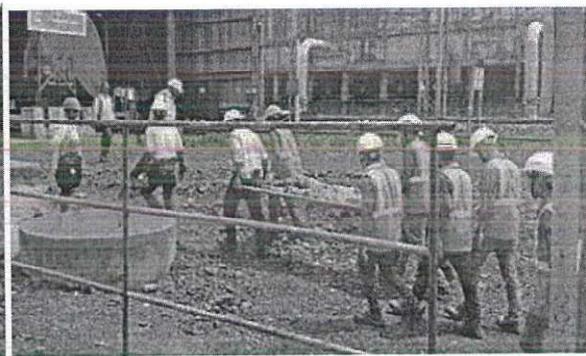
**Good Observation:**

1. Adjacent dept. workers reached at the accident place by hearing ambulance alarm.
2. Accident spot was combatted by IP co-workers & arranged stretcher for rescue purpose.

**Total 28 Persons Present During Mock Drill**

**Name of the Observer:**

1. Soubhagya Ranjan Panda, Head - O&M - WT
2. Sk Motiur Rahman, Sr. Safety Officer



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## **ସର୍ବସାଧାରଣ ବିଜ୍ଞପ୍ତି**

ଏତଦ୍ୱାରା ସର୍ବସାଧାରଣଙ୍କ ଅବଗତ କରି ନିମ୍ନରେ  
ଜଣାଇ ଦିଆଯାଇଅଛି ଯେ, ଫେବୃଆରୀ ୨୦୧୭  
ପାଖରେ ଉପସ୍ଥିତ, ଟି.ପି.ନଗର, ରାଜିଆ,  
ଭଦ୍ରକରେ ଲୋକସାମ୍ମିତି ଅର୍ଗାନାଇଜେସନ୍ ପାଖରେ  
ସ୍ଥାପନା କରିବା ଉଦ୍ଦେଶ୍ୟରେ ପରିସର ସୁରକ୍ଷା  
ନିୟମାବଳୀ ପରିସର ସୁରକ୍ଷା ସ୍ୱାକ୍ଷର ପ୍ରାପ୍ତ  
ହୋଇଅଛି । ଏହି ସ୍ୱାକ୍ଷର ପ୍ରାପ୍ତ କରି ରାଜ୍ୟ  
ପରିସର ନିୟମାବଳୀରେ ପ୍ରାପ୍ତ ହେବା ଏବଂ ଏହା  
ପରିସର ନିୟମାବଳୀରେ ହେବାର ~~ପ୍ରତିପତ୍ତି~~  
<http://envfor.nic.in> ରେ ମଧ୍ୟ ପ୍ରାପ୍ତ ହେବ ।

**ସା./- ନିର୍ଦ୍ଦେଶକ**  
**ଫେବୃଆରୀ ପାଖରେ ଉପସ୍ଥିତ**



## PUBLIC NOTICE

It is hereby informed to General Public that, **M/s. FACOR POWER LTD.**, accorded Environmental Clearance from Ministry of Environment and Forest for setting up a coal based thermal power plant at D.P. Nagar, Randia, Bhadrak and the copies of clearance letter are available with the state Pollution Control Board / Committee and may also be seen at Website of the Milstry of Environment and Forests at <http://envfor.nic.in>.

Date - 11 - 05 - 2009.

THE SAMAJ.

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page-9]





Ref. No: FPL/BDK/ SPCB/321/2022-23  
Date: 30.09.2022

To,

**The Member Secretary,  
State Pollution Control Board,  
Paribesh Bhawan, A/118,  
Nilakantha Nagar, Unit-VIII,  
Bhubaneswar.**

**Sub: Submission of Environment Statement for the year 2021-22 by M/s Facor Power Ltd., Randia, Bhadrak.**

Sir,

With reference to the above cited subject, please find enclosed copy of Environmental Statement for the financial year ending 31<sup>st</sup> March, 2022 in **Form-V** by M/s Facor Power Limited for your kind perusal.

Thanking you,

Yours faithfully,  
For **Facor Power Ltd.**



**P. Sarangi  
Factory Manager-PP**

Copy to: The Regional Officer, SPCB, Balasore.

# **ENVIRONMENTAL STATEMENT REPORT**

**FOR THE FINANCIAL YEAR  
2021-22**

**IN RESPECT OF**

**FACOR POWER LIMITED  
Randia, Bhadrak,  
Odisha.**

**FORM – V**  
**(See Rule – 14)**

**ENVIRONMENTAL STATEMENT FOR THE FINANCIAL YEAR 2020-21**

**PART - A**

01. Name and address of the : **M/s. FACOR Power Ltd**  
owner/occupier of the industry : At:D.P.Nagar, Po:Randia,  
operation District – Bhadrak-756135, Odisha.
02. Industry Category : Red category  
:  
Primary (STC Code)  
Secondary (SIC code)
03. Production Capacity : Captive Power Plant - 100 MW
04. Year of Establishment : July'2011
05. Date of last Environmental : 28.09.2021  
Statement submitted

**PART - B**

**WATER CONSUMPTION & RAW MATERIAL CONSUMPTION**

<b>1. <u>Water Consumption</u></b>	<b><u>M<sup>3</sup>/day (Max.)</u></b>
Process	110
Industrial Cooling	2460
Domestic (Potable)	80

**2. Process Water Consumption**

Name of the Products	Generation		Process water consumption / unit of Output	
	20-21	21-22	20-21	21-22
Power	273511 MWH	290377 MWH	3.10 m <sup>3</sup> /MW	2.71m <sup>3</sup> /MW

**3. Raw Material Consumption**

Name of raw materials	Name of the product	Consumption of raw materials / unit of product output	
		20-21	21-22
Coal	Power	0.96 T/MW	1.00T/MW
LDO	Power	4 to 5 KL in every startup	4 to 5 KL in every startup

**PART - C**

**Pollution discharged to environment / unit of output  
(Parameters as specified in the consent issued)**

A : WATER

Month of April 2021 to March 2022(average)

Sl. No.	Parameters	Quantity of Pollutants Discharged (load)
		Service Water Sample Water
01.	Color (Hazen)	<1.0
02.	Odour	Agreeable
03.	pH	7.81
04.	Temperature (°C)	26

05.	Total Suspended Solids (TSS)	40
06.	Oil & Grease	2.4
07.	Total Residual Chlorine	ND
08.	Free Ammonia (NH <sub>3</sub> )	ND
09.	Chemical Oxygen Demand (COD)	8.0
10.	Arsenic (As)	<0.004
11.	BOD of 27 °C	2.4
12.	Hexavalent Chromium (Cr+6)	<0.05
13.	Total Chromium (Cr)	0.26
14.	Copper (Cu)	<0.05
15.	Zinc (Zn)	0.44
16.	Selenium (Se)	<0.001
17.	Nickel (Ni)	<0.1
18.	Cyanide (CN)	ND
19.	Fluoride as F	0.64
20.	Dissolved Phosphates (P)	4.2
21.	Sulphide (S)	0.38
22.	Iron (Fe)	1.92
23.	Nitrate Nitrogen	7.8
24.	Phenolic compounds (C <sub>6</sub> H <sub>5</sub> OH)	<0.001
25.	Sulphate as (SO <sub>4</sub> )	6.2
26.	Manganese (Mn)	0.032
27.	Total Coliform (MPN/100ml)	410
28.	Vanadium as V	<0.05
29.	Cadmium (Cd)	<0.03
30.	Lead (Pb)	<0.2
31.	Mercury (Hg)	<0.002

**B. AIR**

April 2021 to March 2022(average)

Sl.No.	Location	Pollutant concentration			
		PM (mg/Nm <sup>3</sup> )	SO <sub>2</sub> (mg/Nm <sup>3</sup> )	NOx (mg/Nm <sup>3</sup> )	
01.	ESP outlet of CFBC Boiler	32.60	72.10	84.60	
		CO <sub>2</sub> (%)	CO (%)	Hg (%)	
		5.2	<0.1	0.011	
02.	Ambient Air	PM 2.5 (µg/m <sup>3</sup> )	PM 10 (µg/m <sup>3</sup> )	SO <sub>2</sub> (µg/m <sup>3</sup> )	NOx (µg/m <sup>3</sup> )
		41.90	69.4	12.4	16.9

**PART - D**

**HAZARDOUS WASTE**

(As specified under hazardous waste management and handling rules, 1989)

Hazardous Waste	Total Quantity

	20-21	21-22
Used Oil	0.84 KL	1.36 KL
Waste containing Oil	0.00 T	0.16 T
Spent Resin	1.60 KL	1.60 KL

### **PART- E**

#### **SOLID WASTE**

Source	Total Quantity (MT)	
	20-21	21-22
Fly ash from Silos	101236	114165
Bottom ash from Boiler	16057	18599

### **PART - F**

Please specify characterization (in terms of composition and quantum) of hazardous as well as solid waste and indicate disposal adopted for both these categories of waste.

Solid Waste	Total Quantity (21-22)	Characteristics of fly ash	Remarks
Fly ash & Bottom Ash	132764 MT	SiO <sub>2</sub> – 65% Al <sub>2</sub> O <sub>3</sub> – 22% Fe <sub>2</sub> O <sub>3</sub> – 6% CaO – 2.66% MgO – 2.03% TiO <sub>2</sub> – 0.81% P – 0.023% S – 0.48%	We have provided 800M <sup>3</sup> volume of 3 nos of ash silo for CFBC Boiler and we have pneumatic ash handling system to control fugitive emission. Then ash is unloaded from silo into trucks and utilize for Fly ash brick manufacturing plants and low lying area land filling etc. We are constantly achieving 100% utilization of fly ash & bottom ash.

### **PART-G**

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

1. FPL has taken adequate pollution control measures at source level, so that the operation of the plant does not have any adverse impact on natural resources and environment.

vi)	Energy consumption for Pollution control devices	:	15,81,895/-
vii)	Expenditure for maintenance of AAQMS, CEMS & data transmission	:	4,50,000/-
viii)	ESP & Bag filter Maintenance cost and expenditure for Dust suppression system	:	4,86,000/-
ix)	Expenditure for Plantation maintenance work	:	7,38,760/-
x)	Engagement of Labor for house keeping	:	22,16,280/-
xi)	Engagement of Water Tanker for dust suppression	:	2,16,000/-

### **Investment Proposal for Environmental Protection FY 2022-23**

- Installation of Online Continuous Effluent Monitoring Station – Rs.8,00,000/-
- Installation of Sox & NOx Analyzers for CEMS – Rs.2,010,000/-
- Installation of Temperature, Velocity, Flow measurement in CEMS- Rs.8,50,000/-
- Installation of Digital Flow meter in intake well – Rs.12,00,000/-
- Installation of Sox & NOx analyzers in CAAQMS– Rs.15,000,000/-

### **PART – I**

#### **Any other particulars for improving the quality of the environment**

Facor Power Limited has taken various initiatives for abatement of pollution control and environment protection measures. We have installed 10KLD STP for sewage water treatment and recycle the water in gardening and ash silo quenching. Similarly, 1000KLD Surface Runoff Treatment Plant has installed to treat all runoff water inside the plant to achieve Zero Liquid Discharge. FPL has constantly achieving 100% ash utilization since April-2013 as a result we are utilizing the waste material as a resource for flyash bricks plant. We are continuously developing greenbelt wherever the open space is available to improve the plant beautification as well as prevention and control of pollution.

