



RP-Sanjiv Goenka
Group
Growing Legacies



Dhariwal Infrastructure Limited

CIN : U70109WB2006PLC111457
E-mail : dhariwalinfrastructure@rp-sg.in

OK Ref: DIL/HSE/F-08/19-20/ 54

Date : 24.09.2019

To,
The Member Secretary,
Maharashtra Pollution Control Board,
Kalpataru Point, 3rd Floor,
Sion Matunga Road No.8,
Opp. Sion Circle,
Sion East,
Mumbai-400022.

Sub: Submission of Environmental Statement for the financial year ending 31st March 2019.

Dear Sir,

We have submitted the online Annual Environment Statement for the financial year 2018-19 on MPCB Portal. Acknowledgement copy along with the Hard copy & annexures are attached herewith for your ready reference.

We hope you will find the same in order

Thanking you,

Yours Faithfully,
For Dhariwal Infrastructure Limited.

Barua

(Soumen Barua)
General Manager

CC:

1. The Regional Officer,
Maharashtra Pollution Control Board,
1st Floor, Udyog Bhawan,
Chandrapur (Maharashtra).
2. Sub Regional Officer,
Maharashtra Pollution Control Board,
1st Floor, Udyog Bhawan,
Chandrapur (Maharashtra).

Chandrapur
25/9/19
Maharashtra Pollution Control Board
Regional office
Udyog Bhawan 1st Floor Station Road,
Chandrapur-442406



Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

Environmental Audit Report for the financial Year ending the 31st March 2019

Unique Application Number

MPCB-ENVIRONMENT_STATEMENT-0000019401

Submitted Date

24-09-2019

Company Information

Company Name

Dhariwal Infrastructure Limited

Application UAN number

MPCB-CONSENT-0000059605

Address

Dhariwal Infrastructure Limited

Plot no

5, C-7 & C-8

Taluka

Tadali Industrial area MIDC

Village

Tadali

Capital Investment (In lakhs)

388886

Scale

LSI

City

Chandrapur

Pincode

442406

Person Name

Devendra Tripathi

Designation

Manager-HSE

Telephone Number

9561112004

Fax Number

07172237992

Email

devendra.tripathi@rp-sg.in

Region

SRU-Chandrapur

Industry Category

Red

Industry Type

R48 Thermal Power Plants

Last Environmental statement submitted online

yes

Consent Number

Format 1.0/ BO/CAC-Cell/UAN No. 0000059605 /CAC-1902000294

Consent Issue Date

06.02.2019

Consent Valid Upto

31.12.2020

Product Information

Product Name

Electricity Generation

Consent Quantity

5256000

Actual Quantity

3228902

UOM

Mwh

By-product Information

By Product Name

0

Consent Quantity

0

Actual Quantity

0

UOM

Mwh

1) Water Consumption in m3/day

Water Consumption for Process

Consent Quantity in m3/day

5280

Actual Quantity in m3/day

1260

Cooling

49440

18500

Domestic

40

37

All others

0

0

Total

54760

19798

1) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Trade Effluent	1116	816.6	CMD
Domestic Effluent	32	30.9	CMD

2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

Name of Products (Production)	During the Previous financial Year	During the current Financial year	UOM
Power Generation	2.35	2.24	

3) Raw Material Consumption (Consumption of raw material per unit of product)

Name of Raw Materials	During the Previous financial Year	During the current Financial year	UOM
Coal	0.6100388	0.640151	
LDO	0.00000032924	0.00000023292	
Hydrochloric Acid	0.0000581	0.00005263	
Caustic Lye	0.0000324	0.00003211	
Sulphuric Acid	0.0002756	0.000317	
Sodium Hypochlorite	0.0002649	0.000284	
Alum	0.000429	0.0000057	
Lime	0.0000049	0.00000277	

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
Coal	4029600	2066987	MT/A
LDO	4066	752	KL/A

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

[A] Water

Pollutants Detail	Quantity of Pollutants discharged (kL/day) Quantity	Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour Concentration	Percentage of variation from prescribed standards with reasons %variation	Standard	Reason
Our Industry is ZLD	0	0	0	2100	0

[B] Air (Stack)

Pollutants Detail	Quantity of Pollutants discharged (kL/day) Quantity	Concentration of Pollutants discharged(Mg/NM3) Concentration	Percentage of variation from prescribed standards with reasons %variation	Standard	Reason
Stack-1 (Particulate Matter)	224	15.5	0	50	0
Stack-2 (Particulate Matter)	759	28.6	0	50	0

HAZARDOUS WASTES

1) From Process

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
----------------------	--------------------------------------	-------------------------------------	-----

5.1 Used or spent oil	29.19	15.4	MT/A
35.2 Spent ion exchange resin containing toxic metals	0	0	MT/A
33.1 Empty barrels/containers/liners contaminated with hazardous chemicals /wastes	0	0	Nos./Y
Other Hazardous Waste	46	0	Nos./Y

2) From Pollution Control Facilities

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
35.3 Chemical sludge from waste water treatment	0	0	MT/A

SOLID WASTES

1) From Process

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
FLY ASH	448906	622514	MT/A
BOTTOM ASH	44207	60005	MT/A

From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
BIOLOGICAL SLUDGE	0	0	MT/A

3) Quantity Recycled or Re-utilized within the unit

Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	0	0	MT/A

Please specify the characteristics (in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

1) Hazardous Waste

Type of Hazardous Waste Generated	Qty of Hazardous Waste	UOM	Concentration of Hazardous Waste
5.1 Used or spent oil	15.4	MT/A	Well below the norms, Testing reports attached.
35.2 Spent ion exchange resin containing toxic metals	0	MT/A	0
33.1 Empty barrels/containers/liners contaminated with hazardous chemicals /wastes	0	Nos./Y	0
Other Hazardous Waste	0	Nos./Y	It is Battery Waste

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
FLY ASH	622514	MT/A	NA
BOTTOM ASH	68085	MT/A	NA

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

Description	Reduction in Water Consumption (M3/day)	Reduction in Fuel & Solvent Consumption (KL/day)	Reduction in Raw Material (Kg)	Reduction in Power Consumption (KWH)	Capital Investment (in Lacs)	Reduction in Maintenance (in Lacs)
2015-16	0	0	0	0	0	0

2016-17	1284	37686	0	8.32	386	4155
2017-18	458	0	298 Kg/day	8376435	503	0
2018-19	973	0.88	0	0	596.46	0

Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

[A] Investment made during the period of Environmental Statement

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
Construction of rain water harvesting pond to harvest rain water in due course, Development of Road coal unloading area and mill reject area, Development of Concrete road in plant premises to reduce f	Expenditure made on Air pollution, Water pollution and land pollution control measures, Greenery development and other Environmental protection measures.	596.46

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
Construction of internal concrete road and development of coal storage area, Readiness of DFDS system at Wagon tippler, Unit-1 Ammonia Dosing system readiness, E-Rickshaw for mill reject, Roads & Drai	Expenditure proposed for on Air pollution, Water pollution and land pollution control measures, Greenery development and other Environmental protection measures.	330

Any other particulars in respect of environmental protection and abatement of pollution.

Particulars

Factory has already implemented all the necessary pollution control measures. Green belt development programme is a regular feature.

Name & Designation

DEVENDRA PRASAD TRIPATHI, MANAGER H.S.E.

RP-Sanjiv Goenka
Group

Devashish Parimal Roy <devashish.roy@rp-sg.in>

Fwd: Application Receipt

Devendra Prasad Tripathi <devendra.tripathi@rp-sg.in>

Tue, Sep 24, 2019 at 2:55 PM

To: Devashish Parimal Roy <devashish.roy@rp-sg.in>, Ravindra Upadhyay <ravindra.upadhyay@rp-sg.in>

----- Forwarded message -----

From: **MPCB Web Portal** <portalsupport@mpcb.gov.in>

Date: Tue, Sep 24, 2019 at 2:54 PM

Subject: Application Receipt

To: <devendra.tripathi@rp-sg.in>

Greeting DHARIWAL INFRASTRUCTURE LIMITED,

Your application has been received.

Your Unique application number (UAN) **MPCB-ENVIRONMENT_STATEMENT-0000019401**

Please use the UAN in all your correspondence with respect to this application

You may view your application details on your Application dashboard

Thanks for your application.

Disclaimer

This is an auto generated mail with if you are not a valid recipient please discard the same. This is not the spam.
In case of dispute, jurisdiction with respect to Maharashtra jurisdiction

Date: 24-09-2019

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Thanks and Regards

D P Tripathi
HSE Dept.
Dhariwal Infrastructure Ltd.
Chandrapur Maharashtra.

ANNEXURE-1

MAHARASHTRA POLLUTION CONTROL BOARD

Phone : 4010437/4020781
/4037124/4035273
Fax : 24044532/4024068 /4023516
Email : cac-cell@mpcb.gov.in
Visit At : <http://mpcb.gov.in>



Kalpataru Point, 3rd & 4th floor, Sion- Matunga
Scheme Road No. 8, Opp. Cine Planet Cinema, Near
Sion Circle, Sion (E),
Mumbai - 400 022

Consent No: Format 1.0/ BO/CAC-Cell/UAN No. 0000059605 /CAC-(902000294) Date- 06/02/2019.

To,
M/s Dhariwal Infrastructure Ltd.,
Plot no.C-6,C-7 & C-8,
Tadali Growth Centre MIDC Tadali,
Dist: Chandrapur.

Subject: Renewal of Consent to Operate under RED category.

Ref : 1. Earlier Consent to operate granted vide no. RO/RO(Chandrapur)/CAC-CELL/CAC-
1703001440 Dated 21.03.2017 valid up to 31.12.2018.
2. Minutes of CAC meeting held on 29.01.2019.

Your application: UAN No. 0000059605 Dated: 29.10.2018.
For: Consent to Operate under RED category.

under Section 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 5 of the Hazardous and Other Wastes (M & T M) Rules 2016 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II, III & IV annexed to this order:

1. The consent to operate is granted for a period from 31.12.2018 to 31.12.2020.
2. The actual capital investment of the industry is Rs. 3888.86 Crores as per certificate issued by Chartered Accountant. Earlier investment was Rs. 3958.08 Crores (as per consent granted vide above ref. no. 1).
3. The Consent is valid for the manufacture of -

Sr. No.	Product / By-Product Name	Maximum Quantity In MW
1	Electricity Generation	600 MW (2 X 300 MW)

4. Conditions under Water (P&CP), 1974 Act for discharge of effluent:

Sr. no.	Description	Permitted quantity of discharge (CMD)	Standards to be achieved	Disposal
1.	Trade effluent	7776	As per Schedule -I	Out of 7776 CMD, 5000 CMD treated effluent will be utilized for CHP dust suppression, bed ash quenching, ash slurry water make up, silo dust conditioning water sprinkling on roads etc. and balance 2776 CMD effluent will be utilized for horticulture & green belt on 56 Ha of land.
2.	Domestic Effluent	32.0	As per Schedule -I	On land for gardening purpose.

2959

5. Conditions under Air (P & CP) Act, 1981 for air emissions:

Sr. no.	Description of stack / source	Number of Stack	Standards to be achieved
1	Boiler No.1	01	As per Schedule -II
2	Boiler No.2	01	
3	DG Set (2 Nos)	02	

6. Conditions about Non Hazardous Wastes :

Sr. no.	Type Of Waste	Quantity & UoM	Treatment	Disposal
1	Fly Ash	3620 T/D	--	Ash pond /backfilling of mines/quarries, manufacturing building blocks, light weight aggregate road, sub base etc. Shall be send to Cement manufacturer, Brick manufacturer, Dispose as per MUEH and LC, G.O.I, Notification vide no.SO 763 (E) dated 14.09.1999 and amended time to time thereof
2	Bottom Ash	900 T/D	--	
3	Biological Sludge	0.5 T/M	--	Disposal as manure due to its nutrient value.

7. Conditions under Hazardous Waste (MH & TM) Rules, 2016 for treatment and disposal of hazardous waste:

Sr. No.	Type Of Waste	Category	Quantity	UOM	Treatment	Disposal
1	Used oil/ Spent oil	5.1	0.12	MT	--	Sale to authorized CPCB/ MPCB preprocessor/recycler
2	Spent ion exchange resin containing toxic metals and spent catalyst	34.2	0.30			
3	Chemical Sludge oil and grease skimming residue	34.4	1.0		Solar Dried	To be disposed at CHWTSDF
4	* Discarded empty containers/Barrels /Liners	33.3	20.0		--	
5	Used Batteries	B-4	6.0			To be disposed to authorized battery recycler

8. The applicant shall comply with the recommendations of the task force for implementation of CREP recommendations for Thermal Power Plants.

9. Industry shall comply the standards stipulated by the Ministry of Environment, Forest and Climate Change vide Notification dated 07.12.2015.

10. Industry shall comply the conditions stipulated in the Environmental Clearance issued by Ministry of Environment, Forest and Climate Change vide no.J-13001/10/2009-IA.II(T) dated 04.12.2009.

- 8
11. The Sulphur and ash contents in the coal to be used in the project shall not exceed 0.5 % and 34 % respectively.
 12. The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.
 13. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government authorities.

For and on behalf of the
Maharashtra Pollution Control Board

(E. Ravendran, IAS)
Member Secretary

Received Consent fee of -

Sr. No.	Amount (Rs.)	D.D. No.	Date	Drawn On
1.	Rs. 1,55,55,540/-	7616303	30.10.2018	ICICI Bank

Copy to:

1. Regional Officer, MPCB, Chandrapur - /Sub-Regional Officer - Chandrapur MPCB, Chandrapur.
They are directed to obtain BQ's as per the decision of CAC. Also ensure the compliances of the consent conditions and submit the compliance report to the CAC cell.
2. Chief Accounts Officer, MPCB, Mumbai.
3. CC/CAD Clerk - for record & website updation purposes.

Schedule-I

Terms & conditions for compliance of Water Pollution Control:

- 1) A] As per your application, you have provided the Effluent Treatment Plant (ETP) with the design capacity of 12800 CMD
- B] The Applicant shall operate the effluent treatment plant (ETP) to treat the trade effluent so as to achieve the following standards prescribed by the Board or under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

Sr No.	Parameters	Standards prescribed by Board
I.	Compulsory Parameter	Limiting Concentration in mg/l, except for pH
01	pH	Between 6.5 to 8.5
02	Oil & Grease	Not to exceed to 10 mg/l
03	BOD 3 days at 27°C	Not to exceed to 30 mg/l
04	Total Dissolved Solids	Not to exceed to 2100 mg/l
II.	For Condenser Cooling water	
01	pH	6.5 to 8.5
02	Temperature	Not to exceed 5°C. than that of intake water temp.
03	Free available chlorine	Not to exceed 0.5 mg/l
III	Boiler Blow Down	
01	Suspended Solids	Not to exceed 100 mg/l
02	Oil & Grease	Not to exceed to 10 mg/l
03	Copper (Total)	Not to exceed 1.0 mg/l
04	Iron (Total)	Not to exceed 1.0mg/l
IV.	Cooling Tower Blow Down	
1	Free available chlorine	Not to exceed 0.5mg/l
2	Zinc	Not to exceed 1.0mg/l
3	Chromium (Total)	Not to exceed 0.2 mg/l
4	Phosphate	Not to exceed 5.0 mg/l
V	D.M. Plant Effluent	
1	pH	Between 5.5 to 9
2	BOD 3 days	Not to exceed 30 mg/l
3	COD	Not to exceed 250 mg/l
4	Suspended Solids	Not to exceed 100 mg/l
5	Oil & Grease	Not to exceed 10.0 mg/l
6	TDS	Not to exceed 2100 mg/l

- C) (i) Out of 7776 CMD, 5000 CMD treated effluent shall be utilized for CHP dust suppression, bed ash quenching, ash slurry water make up, silo dust conditioning, water sprinkling in roads etc and balance 2776 CMD effluent will be utilized for horticulture and green belt on 138.38 Acres of land.
- (ii) There shall not be any discharge of effluent outside the factory premises.

- 2) A.] As per your consent application, you have provided the septic tank and soak pits for disposal of domestic effluent. You have also provided sewage treatment system with the design capacity of 30 CMD.

B] The Applicant shall operate the sewage treatment system to treat the sewage so as to achieve the following standards/ prescribed under FP Act, 1986 and Rules made there under from time to time, whichever is stringent.

(1)	Suspended Solids	Not to exceed	100 mg/l
(2)	BOD 3 days 27oC	Not to exceed	100 mg/l.

C] The treated sewage shall be soaked in a soak pit, which shall be got cleaned periodically. Overflow if any shall be used on land of 138.38 Acres for gardening/Irrigation purpose.

- 3) The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or and extension or addition thereto.
- 4) The Industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
- 5) The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Cess Act, 1974 and provisions as contained in the said Act.

Sr. no.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	49440
2.	Domestic purpose	40
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	---
4.	Processing whereby water gets polluted & pollutants are easily biodegradable and are toxic	5280

- 6) The Applicant shall provide specific Water Pollution control system as per the conditions of FP Act, 1986 and rule made there under Environmental Clearance / CREP guidelines.

Schedule-II

Terms & conditions for compliance of Air Pollution Control:

1. As per your application, you have provided the Air pollution control (APC) system and also erected following stack (s) and to observe the following fuel pattern-

Sr. No.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Quantity & UoM	S %	SO ₂ Kg/Day
1	Boiler-1	ESP	275	Coal/LDO	5520 T/D/ 5.57 KL/D	0.45/1.8	51 T/D
2	Boiler no.2	ESP	275	Coal/LDO	5520 T/D/ 5.57 KL/D	0.45/1.8	51 T/D
3	DG Set-1500 KVA	Acoustic enclosure	7.8	HSD	1.14 KL/D	1.0	0.02 T/D
4	DG Set-1500 KVA	Acoustic enclosure	7.8	HSD	1.14 KL/D	1.	0.02 T/D

2. The Applicant shall provide Specific Air Pollution control equipments as per the conditions of EP Act, 1986 and rule made there under from time to time / Environmental Clearance / CREP guidelines. (Concern section shall mention specific control equipments)
3. The applicant shall operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards:

i	Particulate Matter	Not to exceed	50 mg/ Nm ³
---	--------------------	---------------	------------------------

4. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof, alteration, or replacement alteration well before its life come to an end or erection of new pollution control equipment.
5. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).

Schedule-III
Details of Bank Guarantees

BG Regime:

Code	Consent (C to E/D/R)	Consent Condition	Amount of BG imposed	Time for compliance	Validity period
PNCI	C to R	Handling and disposal of fly ash			30.04.2021
PNCIa	C to R	To switch over 100% usable dry fly ash collection and storage	Rs.5/- Lakhs	Continuous	30.04.2021
PNCIb	C to R	Utilization of fly ash as per Fly ash Notification 1999 and amendment thereof.	Rs.1.00/- Lakhs	Continuous	30.04.2021
PNCIc	C to R	Mitigation of seepages from wet fly ash conveying system	Rs.1.00/- Lakhs	Continuous	30.04.2021
PNCId	C to R	Scientific operation of ash pond i.e. uniform distribution of wet slurry in the pond so as to have minimum depth of water.	Rs.1.00/- Lakhs	Continuous	30.04.2021
PNCIe	C to R	Providing arrangement for reuse of 100% seepage water arising from ash pond from ash slurry.	Rs.1.00/- Lakhs	Continuous	30.04.2021
PAOI	C to R	Towards operation and maintenance of air pollution control devices to achieve emission standards.	Rs.30.0/- Lakhs	Monthly	30.04.2021
PWOI	C to R	Towards operation and maintenance of effluent treatment plant to achieve disposal standards.	Rs.5.0/- Lakhs	Monthly	30.04.2021

Note:

- (1) The above bank guarantees shall be submitted by the applicant at the Regional Office-Chandrapur within 15 days.
- (2) Project proponent shall extend period of bank guarantee for a period up to: Validity of consent + 4 months period.

Schedule-IV

General Conditions:

- 1) The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
- 2) Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
- 3) The applicant shall provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.
- 4) Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipments, the production process connected to it shall be stopped.
- 5) The applicant shall provide an alternate electric power source sufficient to operate all pollution control facilities installed to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, control production to abide by terms and conditions of this consent.
- 6) The firm shall submit to this office, the 30th day of September every year, the Environmental Statement Report for the financial year ending 31st March in the prescribed Form-V as per the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992.
- 7) The industry shall send used oil to reprocess/re refiners authorized by MPCB & the Hazardous Waste to CHWTSDF as per the provision contain in the HW(MH&TM) Rules 2016.
- 8) The industry should comply with the Hazardous Waste (M.H & TM) Rules, 2016 and submit the Annual Returns as per Rule 5(6) & 22(2) of Hazardous Waste (M.H & TM) Rules, 2016 for the preceding year April to March in Form-IV by 30th June of every year.
- 9) An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- 10) The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before actual commencement of the Unit/ Activity for proposed other units (in case of Consent to establish).
11) The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent.
- 12) Industry shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and Environmental Protection Act, 1986 and industry specific standard under EP Rules 1986 which are available on MPCB website(www.mpcb.gov.in).
- 13) The industry shall constitute an Environmental cell with qualified staff/personnel/agency to see the day to day compliance of consent condition towards Environment Protection.
- 14) Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers downstream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.
- 15) Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
- 16) The applicant shall install a separate meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained.
- 17) Conditions for D.G. Set
 - a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
 - b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
 - c) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.

- d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
- e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use
- f) D.G. Set shall be operated only in case of power failure.
- g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
- h) The applicant shall comply with the notification of MoEF dated 17.05.2002 regarding noise limit for generator sets run with diesel

18) The industry should not cause any nuisance in surrounding area.

19) The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less than 75 dB (A) during day time and 70 dB (A) during night time. Day time is reckoned in between 6 a.m. and 10 p.m. and night time is reckoned between 10 p.m. and 6 a.m.

20) The applicant shall maintain good housekeeping.

21) The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a statement on available open plot area, number of trees surviving as on 31st March of the year and number of trees planted by September end, with the Environment Statement.

22) The non hazardous solid waste arising in the factory premises, equipment, etc. be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal of solid waste.

23) The applicant shall not change or alter the quantity, quality, the rate of discharge, temperature or the mode of the effluent/emissions or hazardous wastes or control equipments provided for without previous written permission of the Board. The industry will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.

24) The industry shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.

25) The industry shall submit quarterly statement in respect of industries' obligation towards consent and pollution control compliance's duly supported with documentary evidences (format can be downloaded from MPCB official site).

26) The industry shall submit official e-mail address and any change will be duly informed to the MPCB.

27) The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification dt. 16.11.2009 as amended.

28) The industry shall comply with the notification Issued by MoEF for utilization of fly ash from coal or lignite based thermal power plants dated 14th September, 1999 and as amended on 3rd November, 2009.

29) Industry shall provide dry fly ash handling & collection system and utilize the fly ash as per the fly ash notification of the Govt. of India.

30) The applicant shall Operate three continuous automatic ambient air and micrometeorological monitoring station at location indicated by MPC Board to be set up and operate at its own cost for measurement of SO₂, NO_x and particulate matter. These CAAQMS shall also have necessary provision of networking to the Air Quality Monitoring network of MPCB.

31) They shall promote adoption of clean coal and clean power generation technologies.

32) The coal handling system shall be covered with proper hooding and ventilation arrangements connected to dust suppress agent so as not to allow any fugitive emissions.

33) If due to any technological improvements or otherwise this Board is of opinion that all or any of the conditions referred above require variation (including the change of any control equipment either in whole or in part), this Board shall after giving the applicant an opportunity of being heard very all or any of such conditions and thereupon the applicant shall be bound to comply with the conditions so varied.

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EARTHCARE LABS PRIVATE LIMITED

(Laboratory Division)

Environmental Laboratory & EIA Consultant Organization

(NABL QCI Accredited, MoEF Recognized, NABET QCI Accredited, ISO 9001, ISO 14001 & OHSAS 18001 C)

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Email: earthcare2000@gmail.com, Website: www.earthcarenagpur.com

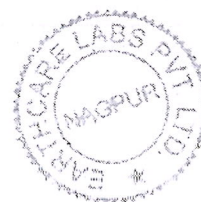
ANNEXURE - 2

CHARACTERISATION OF POLLUTION LOADS

INDUSTRIAL EFFLUENT

1. Location: Treated Effluent

Sr. No.	Month of Sampling	pH	TDS	TSS	BOD	COD	Oil & Grease
1.	April-2018	7.48	1664.0	12.8	< 2.0	62.5	< 0.2
2.	May-2018	7.84	1640.0	16.0	< 2.0	48.0	< 0.2
3.	June-2018	8.36	1317.0	8.80	<2.0	56.0	< 0.2
4.	July-2018	7.30	1602.0	14.0	3.6	60.0	<0.2
5.	Aug-2018	7.87	1558.0	8.00	4.1	68.0	7.87
6.	Sept-2018	7.83	889.0	6.00	3.7	56.0	< 0.2
7.	Oct-2018	7.63	1145.0	4.80	3.2	51.8	< 0.2
8.	Nov-2018	7.89	1240.0	4.00	2.6	128.0	< 0.2
9.	Dec-2018	8.06	1366.0	26.0	3.6	96.0	< 0.2
10.	Jan-2019	7.92	1180.0	22.0	5.0	68.3	< 0.2
11.	Feb-2019	8.00	1410.0	7.20	4.8	76.0	< 0.2
12.	March-2019	7.57	1452.0	26.0	4.5	60.0	< 0.2
Average		7.80	1371.9	13.0	3.9	69.2	0.8





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B - Air

1.0 Stack Emissions (mg/Nm³)

1.1 Source : TPP Unit I
Stack dia. at Top : 5.0 mtr.
Stack dia. at Port : 5.0 mtr.
Stack Height : 275.0 mtr.

Sr. No.	Parameters	Concentration					
		Apr-18	May-18	June-18	July-18	Sep-18	Oct-18
1.	Total Particulate Matter mg/Nm ³	6.90	12.9	18.3	11.6	30.4	13.2
2	Sulphur Dioxide (as SO ₂) (Ton/Day)	28.5	22.3	33.1	28.6	19.7	28.6

Sr. No.	Parameters	Concentration		Avg
		Nov-18	Dec-18	
1	Total Particulate Matter mg/Nm ³	9.86	21.1	13.40
2	Sulphur Dioxide (as SO ₂) (Ton/Day)	16.9	16.6	24.5

1.2 Source : TPP Unit II

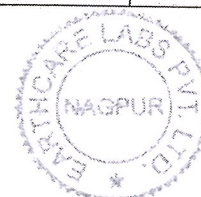
Stack dia. at Top : 5.0 mtr.

Stack dia. at Port : 5.0 mtr.

Stack Height : 275.0 mtr.

Sr. No.	Parameters	Concentration						
		Apr-18	May-18	June-18	July-18	Aug-18	Sep-18	Oct-18
1.	Total Particulate Matter mg/Nm ³	28.3	32.5	39.2	21.3	36.5	31.9	23.6
2	Sulphur Dioxide (as SO ₂) (Ton/Day)	36.9	32.4	35.3	28.3	29.6	33.7	34.5

Sr. No.	Parameters	Concentration					
		Nov-18	Dec-18	Jan-19	Feb-19	March-19	Average
1.	Total Particulate Matter mg/Nm ³	33.8	23.7	18.4	26.7	27.3	27.88
2	Sulphur Dioxide (as SO ₂) (Ton/Day)	35.3	44.5	36.8	48.7	48.6	37.6





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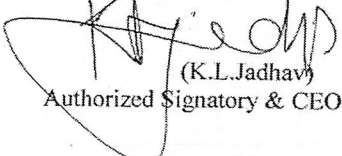
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Ajni Square, Nagpur - 440 015, Tel & Fax: (0712) 2251470, Cell: 9766616862

Email: earthcare2000@gmail.com, Website: www.earthcarenagpur.com

Location: - Terrace of Gram Panchayat, Village- Yerur (12 Parameters)

Sr. No.	Month	Date of Monitoring	Concentration in $\mu\text{g}/\text{m}^3$											
			SO ₂	NO ₂	PM ₁₀	PM _{2.5}	O ₃	Pb	CO	NH ₃	C ₆ H ₆	BaP	As	Ni
1.	April-18	13-04-18 to 14-04-18	6.49	20.8	45.5	16.6	20.3	0.22	0.38	21.8	3.33	0.65	2.91	8.16
2.	May-18	14-05-18 to 15-05-18	9.47	23.4	44.9	15.5	11.5	0.10	0.25	14.3	3.34	0.57	2.74	9.22
3.	June-18	16-06-18 to 17-06-18	8.74	13.5	57.4	26.7	4.70	0.04	0.16	11.2	3.26	0.53	2.76	8.84
4.	July-18	13-07-18 to 14-07-18	8.62	13.3	38.9	17.9	4.74	0.01	0.11	7.30	2.84	0.33	1.47	6.48
5.	Aug-18	07-08-18 to 08-08-18	8.41	12.9	39.1	16.7	5.12	0.03	0.10	8.31	2.42	0.25	1.88	7.06
6.	Sept-18	19-09-18 to 20-09-18	6.86	13.3	51.5	23.8	14.1	0.03	0.19	6.80	2.68	0.35	1.98	7.36
7.	Oct-18	13-10-18 to 14-10-18	7.00	16.6	44.3	20.7	14.8	0.03	0.21	10.6	2.92	0.46	2.12	8.18
8.	Nov-18	20-11-18 to 21-11-18	8.09	16.0	54.7	27.1	12.7	0.02	0.16	7.40	2.82	0.39	1.78	7.34
9.	Dec-18	17-12-18 to 18-12-18	8.60	17.1	51.3	23.1	12.1	0.03	0.16	6.30	2.71	0.39	1.71	7.40
10.	Jan-19	18-01-19 to 19-01-19	11.6	24.3	53.9	27.5	14.8	0.05	0.16	6.90	2.84	0.65	1.84	7.83
11.	Feb-19	17-02-19 to 18-02-19	11.7	24.4	56.9	27.3	22.2	0.06	0.23	6.95	3.18	0.58	2.58	8.83
12.	Mar-19	12-03-19 to 13-03-19	11.5	22.4	52.1	24.2	16.8	0.05	0.20	8.21	3.14	0.63	2.54	8.58

For Earthcare Labs Pvt. Ltd.


(K.L. Jadhav)
Authorized Signatory & CEO





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Environmental Laboratory & EIA Consultant Organization

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Email: earthcare2000@gmail.com, Website: www.earthcarenagpur.com

Location: - Terrace of Shri Bapurao Pimpalkar House, Village - Wandhri (12 Parameters)

Sr. No.	Month	Date of Monitoring	Concentration in $\mu\text{g}/\text{m}^3$											
			SO_2	NO_2	PM_{10}	$\text{PM}_{2.5}$	O_3	Pb	CO	NH_3	C_6H_6	BaP	As	Ni
1.	April-18	13-04-18 to 14-04-18	6.79	21.4	39.4	15.1	21.1	0.28	0.36	21.3	3.56	0.67	2.62	8.40
2.	May-18	14-05-18 to 15-05-18	8.35	24.3	41.7	18.9	11.8	0.12	0.21	14.9	3.25	0.61	2.74	9.04
3.	June-18	16-06-18 to 17-06-18	7.89	16.2	58.6	25.0	5.90	0.03	0.18	13.8	3.26	0.54	2.66	8.88
4.	July-18	13-07-18 to 14-07-18	6.70	11.8	33.8	14.7	6.09	0.02	0.12	7.50	2.16	0.24	1.53	6.15
5.	Aug-18	07-08-18 to 07-08-18	6.71	11.2	44.4	15.8	6.37	0.04	0.14	8.31	2.59	0.30	2.03	7.92
6.	Sept-18	19-09-18 to 20-09-18	6.56	11.5	41.1	16.6	12.4	0.03	0.18	8.57	2.70	0.41	1.76	7.62
7.	Oct-18	11-10-18 to 14-10-18	7.92	13.7	48.3	20.5	14.9	0.03	0.20	8.18	2.84	0.55	1.80	8.15
8.	Nov-18	20-11-18 to 21-11-18	9.91	18.0	52.2	25.2	15.5	0.02	0.14	6.87	2.70	0.51	1.62	6.51
9.	Dec-18	17-12-18 to 18-12-18	8.22	16.2	45.9	22.5	14.3	0.01	0.20	6.50	2.56	0.35	1.58	6.34
10.	Jan-19	18-01-19 to 19-01-19	13.8	15.7	50.7	29.5	17.5	0.04	0.13	6.20	2.44	0.62	1.76	7.37
11.	Feb-19	17-02-19 to 18-02-19	10.1	18.8	52.7	23.3	17.3	0.03	0.12	5.63	2.43	0.58	1.72	7.34
12.	Mar-19	12-03-19 to 13-03-19	11.7	23.4	53.4	25.0	14.5	0.04	0.14	5.28	2.43	0.47	1.65	6.33





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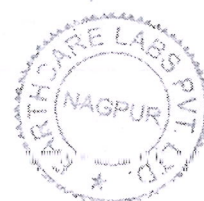
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Email: earthcare2000@gmail.com, Website: www.earthcarenagpur.com

Location: -Terrace of Mr. Maroti Shankar Roge House Village- Sonegaon (12 Parameters)

Sr. No.	Month	Date of Monitoring	Concentration in $\mu\text{g}/\text{m}^3$											
			SO ₂	NO ₂	PM ₁₀	PM _{2.5}	O ₃	Pb	CO	NH ₃	C ₆ H ₆	BaP	As	Ni
1.	April-18	13-04-18 to 14-04-18	6.58	20.1	51.4	16.4	20.0	0.20	0.31	20.3	3.36	0.51	2.59	7.78
2.	May-18	14-05-18 to 15-05-18	8.14	21.2	46.6	14.4	10.2	0.28	0.18	14.3	2.86	0.51	2.16	8.21
3.	June-18	16-06-18 to 17-06-18	7.76	15.7	59.1	28.3	5.60	0.03	0.15	12.2	3.24	0.54	2.60	8.77
4.	July-18	13-07-18 to 14-07-18	7.44	12.5	55.4	24.5	6.76	0.02	0.10	8.10	2.98	0.32	1.88	7.26
5.	Aug-18	07-08-18 to 08-08-18	7.16	12.1	46.0	21.3	6.54	0.02	0.10	8.31	2.75	0.34	1.87	7.49
6.	Sept-18	19-09-18 to 20-09-18	6.89	11.7	47.4	21.0	12.3	0.02	0.14	6.40	2.56	0.32	1.74	7.48
7.	Oct-18	13-10-18 to 14-10-18	6.32	13.4	47.5	21.2	17.3	0.03	0.18	7.77	2.76	0.43	1.82	7.30
8.	Nov-18	20-11-18 to 21-11-18	9.50	19.8	56.7	26.2	14.7	0.02	0.15	7.65	2.68	0.38	1.63	7.23
9.	Dec-18	17-12-18 to 18-12-18	9.60	18.5	49.5	23.6	12.3	0.02	0.14	7.91	2.50	0.35	1.58	7.11
10.	Jan-19	18-01-19 to 19-01-19	13.0	27.2	58.7	36.9	20.1	0.04	0.18	7.60	3.04	0.52	2.04	8.17
11.	Feb-19	17-02-19 to 18-02-19	12.0	26.6	57.0	29.4	20.0	0.03	0.16	7.44	2.96	0.48	2.15	8.14
12.	Mar-19	12-03-19 to 13-03-19	11.3	25.1	54.4	27.1	17.2	0.03	0.16	5.76	3.01	0.42	2.02	7.82



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Email: earthcare2000@gmail.com, Website: www.earthcarenagpur.com

Ambient Air Quality

Location: - VIP Gate (near AAQMS Cabin-01) (12 Parameters)

Sr. No.	Month	Date of Monitoring	Concentration in $\mu\text{g}/\text{m}^3$											
			SO ₂	NO ₂	PM ₁₀	PM _{2.5}	O ₃	Pb	CO	NH ₃	C ₆ H ₆	BaP	As	Ni
1.	April-18	11-04-18 to 12-04-18	7.63	21.5	48.9	24.5	20.9	0.25	0.62	21.9	3.21	0.51	2.54	13.8
2.	May-18	12-05-18 to 13-05-18	7.70	21.5	57.6	25.2	15.4	0.18	0.4	16.2	1.23	3.21	2.45	10.2
3.	June-18	14-06-18 to 15-06-18	6.51	14.9	61.9	27.7	12.1	0.03	0.2	14.4	3.21	0.55	2.57	9.67
4.	July-18	12-07-18 to 13-07-18	6.19	9.30	49.4	21.8	12.9	0.04	0.14	11.8	3.15	0.35	2.34	7.67
5.	Aug-18	05-08-18 to 06-08-18	8.10	12.1	49.6	20.9	12.3	0.05	0.01	10.5	3.19	0.32	2.23	7.08
6.	Sept 18	17-09-18 to 18-09-18	6.02	11.8	45.7	19.1	14.6	0.03	0.20	7.91	3.21	0.38	2.60	8.21
7.	Oct-18	11-10-18 to 12-10-18	6.55	13.1	55.6	30.6	18.3	0.05	0.27	7.96	3.45	0.66	2.62	8.76
8.	Nov-18	17-11-18 to 18-11-18	9.08	18.2	57.0	33.6	16.8	0.04	0.22	7.70	3.42	0.65	2.44	8.43
9.	Dec-18	15-12-18 to 16-12-18	11.2	21.2	59.3	34.8	18.3	0.05	0.26	8.98	3.48	0.71	2.66	8.39
10.	Jan-19	16-01-19 to 17-01-19	11.0	23.6	59.2	38.3	25.5	0.08	0.37	9.70	3.84	0.93	2.79	9.45
11.	Feb-19	15-02-19 to 16-02-19	11.7	24.7	58.7	37.6	23.1	0.07	0.29	20.2	3.94	1.03	2.85	9.79
12.	Mar-19	10-03-19 to 11-03-19	10.2	25.5	59.2	38.8	21.6	0.06	0.31	12.9	3.85	0.87	2.69	9.42

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Email: eamncarezu00@gmail.com. Website: www.eamncarezu00.com

Location: - ETP (Near AAQMS Cabin-02 & RWH Pond) (12 Parameters)

Sr. No.	Month	Date of Monitoring	Concentration in $\mu\text{g}/\text{m}^3$											
			SO ₂	NO ₂	PM ₁₀	PM _{2.5}	O ₃	Pb	CO	NH ₃	C ₆ H ₆	BaP	As	Ni
1.	April-18	11-04-18 to 12-04-18	7.12	19.9	51.6	27.8	23.4	0.32	0.58	21.4	3.25	0.53	2.56	14.9
2.	May-18	12-05-18 to 13-05-18	6.24	19.9	48.5	22.3	12.8	0.12	0.30	13.7	1.24	0.33	2.50	8.93
3.	June-18	11-06-18 to 15-06-18	8.37	12.2	63.7	29.2	15.0	0.26	0.28	12.8	3.36	0.61	2.70	8.88
4.	July-18	11-07-18 to 12-07-18	8.02	12.6	46.1	24.6	10.4	0.03	0.16	8.50	3.10	0.36	2.07	7.89
5.	Aug-18	05-08-18 to 06-08-18	0.06	11.2	47.6	21.1	10.6	0.06	0.18	8.31	3.24	0.40	2.66	8.20
6.	Sept-18	17-09-18 to 18-09-18	6.58	12.1	48.6	21.5	15.1	0.03	0.26	6.96	3.29	0.58	2.43	9.28
7.	Oct-18	11-10-18 to 12-10-18	6.16	11.3	54.8	29.3	15.3	0.04	0.27	7.60	3.37	0.60	2.28	9.14
8.	Nov-18	17-11-18 to 18-11-18	8.94	16.8	59.2	33.5	16.7	0.06	0.25	8.87	4.42	0.58	2.24	8.96
9.	Dec-18	15-12-18 to 16-12-18	9.83	19.4	59.5	25.5	15.2	0.03	0.19	8.94	3.34	0.53	2.15	7.20
10.	Jan-19	16-01-19 to 17-01-19	9.80	22.6	55.4	31.7	18.4	0.05	0.23	5.90	3.44	0.70	2.53	8.25
11.	Feb-19	15-02-19 to 16-02-19	10.3	22.9	58.2	32.8	20.5	0.06	0.29	5.99	3.53	0.74	2.57	8.32
12.	Mar-19	10-03-19 to 11-03-19	10.6	25.3	57.8	34.3	17.9	0.04	0.24	6.17	3.49	0.71	2.36	8.06

