ADHUNIK POWER & NATURAL RESOURCES LTD.

(Formerly Adhunik Thermal Energy Limited)

Office : Village Padampur, Behind PGCIL Substation, Adityapur, Kandra Road, P.O: Kandra Saraikela-Kharsawan, Jharkhand-832 402 ℗ PHONE : 0657 6628400 ℗ FAX : 0657 6628440

Website : www.adhunikgroup.com

Ref No APNRL/JSPCB/ES/2016-17/01 **Date: 15th Sep 2017**

The Member Secretary
Jharkhand Pollution Control Board
Jharkhand

Sub- Submission of Environmental Statement (Form V) for Unit I (1 x 270 MW) of M/s Adhunik Power & Natural Resources Limited,Village-Padampur, Dist-Saraikela-Kharswan, Jharkhand.

Ref: Environmental Clearance letter No J-13011/8/2009-IA.II(T), Dated 29th Aug 2009.

Dear Sir,

In line with compliance of above referred EC letter point No XXX of general condition, Please find attached herewith Environmental statement (Form V) for the financial year 2016-17.

This is for your kind information & record please.

Thanking You

Your's faithfully

Bhalchandra Nellikwar
(Plant Head)

Encl: As mentioned above
CC: 1. The Regional Office(ECZ)
Ministry of Environment & Forest & Climate Change,
Bungalow No. A-2, Shyamali Colony,Ranchi-834002
2. The Regional Officer
Jharkhand Pollution Control Board
Jamshedpur,Jharkhand

Received
19-9-17

Received
Mukherjee
22/9/2017

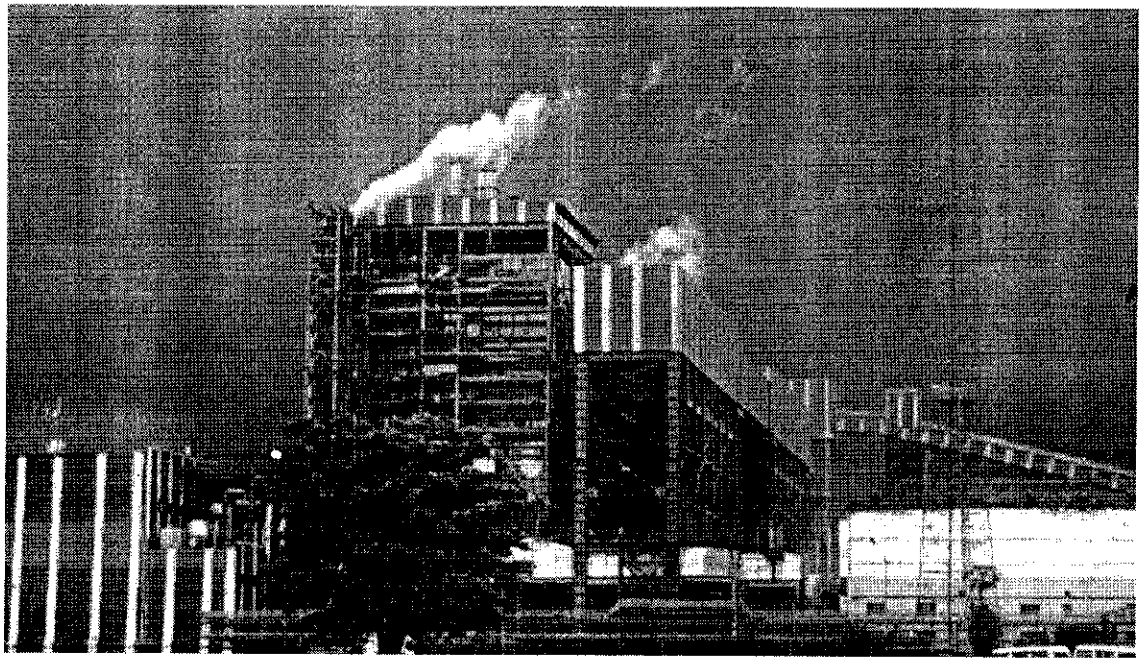
ENVIRONMENTAL STATEMENT

For

1 X 270 MW COAL BASED THERMAL POWER PLANT

(UNIT I)

FINANCIAL YEAR 2016-17



September 2017

Adhunik Power & Natural Resources Ltd
Village-Padampur, District-Saraikela-Kharsawan
Jharkhand-832105

FORM-V

From:
Adhunik Power & Natural Resources Limited
Village: Padampur
Dist: Saraikela-Kharsawan – 832 402
Jharkhand.

To,
Member Secretary
Jharkhand State Pollution Control Board,
HEC Campus, Dhurva,
Ranchi , Jharkhand.

Environmental Statement for the financial year ending on the 31st March-2017 for Unit-I (1 x 270 MW)

PART – A

(i)	Name & Address of the owner/occupier of the Industry operation or process	:	Sh. Nirmal Agarwal BA.209,Salt Lake city Kolkata -64
(ii)	Industry Category Primary – STC Code Secondary – STC Code	:	Red Category
(iii)	Production Capacity – (Units-MT)	:	Power(270 MWH)
(iv)	Year of Establishment (COMMERCIAL PRODUCTION DECLARED)	:	January-2013
(v)	Date of Last Environmental Statement Submitted	:	15th September 2016

PART-B

Water and Raw Material Consumption

(i) **Water Consumption KL/Day**

Process : **495.32**

Cooling : **16015.39**

Domestic : **62.43**

Name of product	Process water consumption KL/ MW	
	During the previous financial year 2015-16	During the current financial year 2016-17
Electricity	0.075	0.086

(ii) **Raw Material Consumption**

Name of Raw Materials	Name of product	Consumption of raw material per MW	
		During the previous financial year 2015-16	During the current financial year 2016-17
Coal	Power	0.65631 MT	0.6922 MT
LDO		0.00031 KL	0.00076 KL

PART – C

Pollution Discharged to environment / unit of output.

(Parameter as specified in the consent issued)

Pollutants	Qty. Of pollutants discharged (Mass / Day)	Concentration of Pollutants in discharges (Mass / Day)	Percentage of variation from prescribed standards with reasons
(i) Water **Unit Limit** pH 5.5. to 9.0 SS < 100 mg/l Oil & Grease < 10 mg/l BOD_5 < 30 mg/l COD < 250 mg/l	1) Effluent generated from Cooling tower, DM plant, IBD tank, CPI separator is being utilized in Ash Handling system. 2) Effluent generated from CBD is being reutilized in quenching & dust suppression system. 3) Effluent generated from STP is being utilized for gardening		Concentration is below the prescribed limits. **Water Analysis report of ETP outlet enclosed**
(ii) Air SPM SO2 NOx CO		46.5 mg/Nm3 239 mg/Nm3 142 mg/Nm3 20 mg/Nm3	Concentration are below the prescribed limits **Stack Monitoring report are enclosed.**

*The Effluent Treatment facility for Unit I and Unit II is common.

PART - D

HAZARDOUS WASTES

(As specified under Hazardous Wastes Management and Handling & Transboundary Movement Rules, 2008)

Hazardous Wastes	Total Quantity (KL).	
	During the previous financial Year 2015-2016	During the current financial Year 2016-17
1 From Process	Nil	Used Oil-2.1163 KL
2 From Pollution Control Facilities	Nil	Used Oil-0.2651 KL

- **The APNRL has obtained Hazardous Waste Authorization from JSPCB for Collection & Storage of Hazardous waste.**
- **Waste / Spent Oil is collected at centrally located point in isolated stores area meant for them in sealed M.S. Drums which is further sent to authorized recycler for disposal as per norms of MoEF.**

PART -E

Solid Wastes

	Total Quantity (MT)	
	During the previous financial Year 2015-2016	During the current financial Year 2016-17
(a) From Process Bottom Ash	80478.88 MT	79137.5 MT
(b) From Pollution Control Facility Fly Ash	321915.53 MT	735668 MT
(c) (1) Quantity recycled or re-utilized within the unit		
(2) Sold		
(3) Disposed		
Fly Ash	321915.53 MT	655695 MT
Bottom Ash	80478.88 MT	79137.5 MT

***Fly Ash generation & Utilization facility for Unit I and Unit II is common.**

PART – F

Please specify the characterization (In terms of composition and quantum) of hazardous as well as solid and indicate disposal practice adopted for both these categories of wastes

Hazardous Waste:

1) **Solid Hazardous Waste**: Bio medical Waste is generated from OHC is being disposed through JSPCB authorized agencies i.e. Bio-Genetic pvt Limited. Waste generated from Canteen is used from preparing bio-compost & it is used for plantation. For the collection of dry fly ash, silos have been provided with pneumatic system & Bottom ash is led to theash dyke through pipeline in wet slurry mode.
2) **Liquid Hazardous waste**: In this financial year, 2.3814 KL (Used Oil) have been generated from process.
3) **Used Batteries:** Collected centrally at store in isolated place for disposal to authorized agencies as per MoEF guidelines.

PART - G

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

The following practices are adopted for the pollution control & conservation of natural resources:

- Fly ash bricks has been used for construction of buildings, Drains, rain water harvesting pit, Bachelor Hostel, Residential Colony for employees.
- We are using effluent water generated from Cooling tower, DM plant, IBD tank for HCDS system for bottom ash disposal instead of fresh water from River Subernrekha.
- Extensive tree plantation is under progress as a part of green belt development, which will control the impact of Air pollution and optimize the ambient temperature of surrounding areas.
- Twin flue stack with height of 275 m are provided as per the CPCB guidelines for better dispersion of emissions and keep the concentrations within JSPCB/CPCB specified standards.
- High efficiency Electrostatic precipitators (ESPs) are provided for control of dust emissions into flue gases.
- Dust suppression system is installed at coal transfer points.
- Dust Extraction system along with bag Filters have been installed at Coal Silo, Coal bunker, Intermediate Silo & Ash Silo to arrest the fugitive emissions.
- Roof sheeting and side cladding in conveyor galleries and TPs are installed to control fugitive dust
- The plant is designed on CoC of more than 4 which is helpful in water conservation which further lead to reduction in overall fresh water intake.
- Rain-gun type water sprinklers are installed in the Coal Stockyards for the control of fugitive emissions.
- Mist canyons are installed at coal transfer houses for the control of fugitive dust.
- Belt washing system, coal settling pits and waste water recovery system are installed at transfer house for the dust suppression and water recovery.

- Water spraying system is installed in ash pond area for controlling the ash fugitive emissions, if any.
- Low NOx burners are installed in fuel combustion system for controlling NOx emissions
- Effluent Treatment Plant (ETP) and Sewage Treatment Plants (STP) are installed to control water pollution.
- Rain Water harvesting is being practiced in the plant premises, which helps in ground water recharging.
- Good housekeeping is maintained within the plant premises.
- Green belt has been developed in & around the plant periphery to control the dispersal of dust particles and attenuate the noise generated during the process.

Because of the adaptation of aforementioned methods, the quality of emissions and discharges are maintained below the permissible limits prescribed by the MoEF&CC / CPCB / JSPCB.

PART - H

Additional measures / investment proposals for environmental protection including abatement of prevention of pollution.

APNRL is regularly monitoring ambient air, stack, noise level, water quality and soil quality in and around the plant premises. All the emissions and discharges are meeting the permissible limits prescribed by MoEF / CPCB / JSPCB. It is proposed to further strengthen the monitoring and reporting process. Ash Water Recovery System is installed for further reuse of ash water. Green belt development within plant premises is proposed to be accelerated.
Details of recurring cost for the implementation of Environmental Management Plan are as follows:

Recurring expenditure for the year 2016-17 is as follows:

Sl No	Description of Environment Measures	April 2016- March 2017 (in Lacs)		
		Unit I		
		Energy	Other cost	Total Cost
1	ESP operation & Maintenace	242.03	6.46	248.49
2	ETP & STP operation & Maintenance	23.87	14.72	38.59
3	Plant Housekeeping	0.00	65.15	65.15
4	DE System Operation & Maintenance	47.36	5.52	52.88
5	DS operation & Maintenance	0.50	1.28	1.78
6	Green Belt development	0.20	16.12	16.32
7	Environment Management system(Monitoring, Equipment Calibration, Clebration of Environment Programmes & Preparation of Environment Audit, ESMS report)	1.36	12.24	13.60
8	Ash disposal system	0.00	698.17	698.17
9	Rain water harvesting system	0.00	0.41	0.41
10	CAAQMS & CEMS Operation & Maintenance	0.76	1.50	2.26
		316.08	821.57	1137.65

PART – I

Any other particulars for improving the quality of the environment:

The part – I of any Environmental Statement report is perhaps the best scale to measure various parameters of the plans, target, achievements and ultimate impact. APNRL has made sincere efforts to visualize the general environmental scenario and implemented plan for the associated improvements. Some highlights are mentioned below:

1. Received certification for ISO 9001:2008, ISO 14001: 2004 & ISO 18001:2007 from Bureau Veritas.
2. Training on EMS to all employees and contract labors to create Environment awareness.
3. Green Belt development is under progress.
4. Only PUC certified vehicles are engaged.
5. Monitoring of Ambient air quality , Surface and ground water quality, stack monitoring, soil, Noise level , solid waste (Hazardous & non-hazardous) is being done through MoEF & NABL accredited laboratory.
6. Full-fledged Environmental laboratory has been installed.
7. Installation of Online Effluent monitoring system has been completed.
8. Webhosting of online environment data on CPCB/SPCB website have been completed.
9. Electronics Display board is provided at the main gate for public data display.
10. Audit by site team to improve Environmental Management system (EMS).
11. Celebration of Environmental promotional activities (Environment day, Earth Day, Water day, Ozone day).
12. Installation of online weather monitoring system to monitor site specific micro-meteorological data such as Rainfall, Wind Direction, Wind Speed, Temperature, Humidity and Atmospheric pressure.

Date: 14/09/2017

Signature :

Name : **Bhalchandra Nellikwar**

Designation : **Plant Head**

Address : **Adhunik Power & Natural Resources Limited, Village : Padampur Dist: Saraikela-Kharsawan – 832 105. Jharkhand**

***Environment Monitoring report for the month of Dec 2016 enclosed.**

YUGANTAR BHARATI

ANALYTICAL & ENVIRONMENTAL ENGINEERING LABORATORY

Accredited By | National Accreditation Board for Testing & Calibration Laboratory (NABL) (T 2932, T-2918)
Jharkhand State Pollution Control Board (JSPCB) (B-1874)

STACK MONITORING TEST REPORT

Report Release Date	14th Dec. 2016	Protocol	IS 11255	Part III	Part I
Report ID	YBAEEL/JSR/16-12-6/Stack/02	Sample Description		Stack Emission	
Sampling Date	6th Dec. 2016	Type of Industry		Power Plant	
Name of Industry		Sampling Location		Port hole	
M/s Adhunik Power & Natural Resources Limited Unit II Vill: - Padampur, Behind P.G.C.I.L substation, Jamshedpur - 832105, Jharkhand		Pollution Control System		Electro static precipitator	
		Ladder		Parmanent	
		Platform		Parmanent	
		Weather Condition		Clear	
Customer Ref.	Mr. Kamlesh Jha	Sample drawn by		Own/ Mukesh Singh & team	

General Information		
Stack No. if any		Boiler II
Height of Stack from ground	in metre	275
Top cross section area of Stack	in sq. mtr	55.39
Height of porthole from ground	in metre	4.2

Fuel Characteristic Report & Oven Description	
Type of Fuel	Coal
Fuel Consuption	139 T/Hr.
Production Capacity	270 MW

Result of Analysis		
Atmospheric temperature	in $^{\circ}$K	307
Stack gas temperature	in $^{\circ}$K	405
Stack gas velocity	in m/s	23.94
Volumetric flow rate	in Nm^3/hr	3512771.25
Concentration of Particulate Matter	in mg/Nm^3	46.53
Concentration of Sulphur dioxide	in mg/Nm^3	239
Concentration of Oxides of Nitrogen	in mg/Nm^3	142
Concentration of CO	in mg/Nm^3	20
Concentration of Mercury	in mg/Nm^3	<0.001

****** END of REPORT ******

Remarks: All values are observed well within the limit

Note:
The results listed refer only to the tested sample and applicable parameter.
This report, in full or in part, shall not be used for advertising or as evidence in any court of law
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The samples collected shall be destroyed after two month from the date of issue of the certificate unless specified otherwise

Tested by
Mukesh Kr. Singh
Field Analyst

Verified by
Pallavi Rani
Section Incharge

14/12/16
Issued by
Umesh Das
Technical Manager
Technical Manager
Yugantar Bharati Analytical & Environmental Engineering Laboratory

Yugantar Bharati Analytical & Environmental Engineering Laboratory

Post Box no. 32 | Namkom Post Office | Sidroul | Ranchi - 834010 (Jharkhand)
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Accredited By | National Accreditation Board for Testing & Calibration Laboratory (NABL)(T-2982, T-2918)
Jharkhand State Pollution Control Board (JSPCB) (B-1874)

Ambient Air Quality Report (Core Zone)

Report Release Date	14-Dec-2016	Protocol	IS 5182	Part II	Part IV	Part VI
Report ID	YBAEEL/JSR/16-12-6/AAQ/01	Sample Description		Ambient Air Quality		
Sampling Date	6th to 7th December 2016	Type of Industry		Power Plant		
Name of Industry	M/s - Adhunik Power & Natural Resources Limited Vill: - Padampur, Behind P.G.C.I.L substation, Jamshedpur - 832105, Jharkhand	Sampling Locations	Site A	CHP Area		
			Site B	GET Hostel		
			Site C	Switch Yard		
		Work Order No.		3030002260		
		Work Order Date		9/9/2016		
		Weather Condition		Cloudy		
Customer Ref.	Mr. Kamlesh Jha	Sample drawn by		Mr. Mukesh Singh & team		

Monitored Parameters	Method	Samplin Location			Units	NAAQS industrial, residential, rural &
		Site A	Site B	Site C		
Particulate Matter (PM2.5)	USEPA Guideline	49.3	40.6	36.7	µg/m3	60 µg/m3
Particulate Matter (PM10)	CPCB Guideline	86.2	72.1	79.6	µg/m3	100 µg/m3
Sulphur Dioxide (SO2)	CPCB Guideline	13.5	11.3	12.9	µg/m3	80 µg/m3
Nitrogen Dioxide (NO2)	CPCB Guideline	9.7	10.2	8.6	µg/m3	80 µg/m3
Carbon Monoxide (CO)	IS 5182, Part 10	1.3	1.9	1.5	mg/m3	4 mg/m3
Ozone (O3)	CPCB Guideline	2.3	3.6	3.9	µg/m3	100 µg/m3
Ammonia (NH3)	APHA 22nd ed.	6.4	6.7	5.8	µg/m3	400 µg/m3
Lead (Pb)	IS 5182, Part 22	N.D	N.D	N.D	µg/m3	1.0 µg/m3
Benzene (C6H6)	IS 5182, Part 21	0.31	0.45	0.44	µg/m3	5 µg/m3
Benzo(a)Pyrene (BaP)	IS 5182, Part 12	N.D	N.D	N.D	ng/m3	1 ng/m3
Arsenic (As)	USEPA Guideline	N.D	N.D	N.D	ng/m3	6 ng/m3
Nickel (Ni)	USEPA Guideline	1.3	1.1	1.9	ng/m3	20 ng/m3

******** End of Report********

Remarks: All values are observed well within the limit

Note:
All values are expressed in microgram/ cubic meter
The results listed refer only to the tested sample and applicable parameter.
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All disputes are subjected to the Ranchi Jurisdiction

Tested by
Mukesh Kr. Singh
Field Analyst

Verified by
Pallavi Rani
Section In-charge

14/12/16
Issued by
Umesh Das
Technical Manager
Technical Manager
Yugantar Bharati Analytical & Environmental Engineering Laboratory

Yugantar Bharati Analytical & Environmental Engineering Laboratory

An ISO 9001:2008 Certified Laboratory

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Jharkhand State Pollution Control Board (JSPCB) (B-1874)

Ambient Air Quality Report (Buffer Zone)

Report Release Date	14-Dec.2016	Protocol	IS 5182	Part II	Part IV	Part VI
Report ID	YBAEEL/JSR/16-12-07/AAQ/01	Sample Description		Ambient Air Quality		
Sampling Date	7th to 8th Dec. 2016	Type of Industry		Power Plant		
Name of Industry	M/s - Adhunik Power & Natural Resources Limited (Unit-II) Vill: - Padampur, Behind P.G.C.I.L substation, Jamshedpur - 832105, Jharkhand	Sampling Locations	Site A	Pindrabera		
			Site B	Padampur		
			Site C	Srirampur		
		Work Order No.		3030002260		
		Work Order Date		9/9/2016		
		Weather Condition		Cloudy		
Customer Ref.	Mr. Kamlesh Jha	Sample drawn by		Mukesh Singh & Team		

Monitored Parameters	Method	Samplin Location			Units	NAAQS industrial, residential, rural &
		Site A	Site B	Site C		
Particulate Matter (PM2.5)	USEPA Guideline	40.2	36.7	35.9	µg/m3	60 µg/m3
Particulate Matter (PM10)	CPCB Guideline	82.4	80.6	78.9	µg/m3	100 µg/m3
Sulphur Dioxide (SO2)	CPCB Guideline	12.5	10.7	11.3	µg/m3	80 µg/m3
Nitrogen Dioxide (NO2)	CPCB Guideline	9.5	13.4	12.5	µg/m3	80 µg/m3
Carbon Monoxide (CO)	IS 5182, Part 10	0.1	0.1	0.1	mg/m3	4 mg/m3
Ozone (O3)	CPCB Guideline	5.8	5.1	6.3	µg/m3	100 µg/m3
Ammonia (NH3)	APHA 22nd ed.	6.5	6.9	6.2	µg/m3	400 µg/m3
Lead (Pb)	IS 5182, Part 22	N.D	N.D	N.D	µg/m3	1.0 µg/m3
Benzene (C6H6)	IS 5182, Part 21	< 0.1	< 0.1	< 0.1	µg/m3	5 µg/m3
Benzo(a)Pyrene (BaP)	IS 5182, Part 12	N.D	N.D	N.D	ng/m3	1 ng/m3
Arsenic (As)	USEPA Guideline	N.D	N.D	N.D	ng/m3	6 ng/m3
Nickel (Ni)	USEPA Guideline	< 0.1	< 0.1	< 0.1	ng/m3	20 ng/m3

******** End of Report********

Remarks: All values are observed well within the limit

Note:
All values are expressed in microgram/ cubic meter

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Tested by
Mukesh Kr. Singh
Field Analyst

Yugantar Bharati Analytical & Environmental Engineering Laboratory

Verified by
Pallavi Rani
Section Incharge

Issued by
Umesh Das
Technical Manager
Technical Manager
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Jharkhand State Pollution Control Board (JSPCB) (B-1874)

Test Report

Issued to : -	Sample Code: - 161210-WW-E03
M/s ADHUNIK POWER & NATURAL RESOURCES LIMITED (Unit – II) Vill: Padampur, Behind P.G.C.I.L Substation,Jamshedpur-832105, Jharkhand	Report ID : - YBAEEL/JSR/16-12-10/WW/03 Date of Issue: – 20th Dec. 2016 Reference : - YBAEEL/WA/L/C/Dec-16/10
Sample Particulars	**Details of Sampling**
Sample Name/Description: - Waste Water Sample Quantity : - One litre Sample pkg. Condition : - Sealed in plastic bottle	Date of sampling : - 9-12-2016 Sample Received Date: -10/12/2016 Sampling Protocol: - YBAEEL/SP/01/00 Sample collected by: -Own/ Mr.Mukesh Singh & team Sampling Location: -Final effluent (guard pond)

Test Result

Test started on: -	10th Dec. 2016		Test completed on :-	20th Dec. 2016	
Sl. No.	**Tested Parameter**	**Unit**	**Results**	**Method (APHA 22ND Edition 2012)**	**Permissible Limit**
1.	pH	---	7.2	4500 H^+ B	5.5 – 9
2.	Oil & Grease	mg/l	< 4	5520 B	10
3.	Copper	mg/l	< 0.01	3111 B	3
4.	Zinc	mg/l	< 0.01	3111 B	5
5.	Phosphate	mg/l	< 0.01	--	5
6.	Suspended solid	mg/l	84	--	100
7.	BOD	mg/l	10.3	3025 P-44	30
8.	COD	mg/l	77.4	3025 P-58	250
9.	TDS	mg/l	418	--	-
10.	Chloride	mg/l	299	4500 Cl B	-
11.	Sulphate	mg/l	40	4500 SO4 E	-
12.	Iron	mg/l	2.0	3111 B	3

*****End of Test*****

Remarks:-According to tested parameter, the results found within the prescribe limit of waste water specification.

Specific contractual notes: -

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- This report, in full or in part, shall not be used for advertising or as evidence in any court of law.
- This report cannot be reproduced, except when in full, without the written permission of the Lab In-charge
- The samples received shall be destroyed after two month from the date of issue of the certificate unless specified otherwise and sample for biological testing will be destroyed after two week of testing.
- The liability of the laboratory is limited to the invoiced amount.
- All disputes are subjected to the Ranchi Jurisdiction.

Tested by
(Bajrang Kr.)
Analyst

Verified by
(Sunil Singh)
Authorised Signatory

20/12/16

Issued by
(Umesh Das)
Technical Manager
Technical Manager
Yugantar Bharati Analytical &
Environmental Engineering Laboratory

Yugantar Bharati Analytical & Environmental Engineering Laboratory

An ISO 9001: 2008 Certified Laboratory

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Accredited By | National Accreditation Board for Testing & Calibration Laboratory (NABL) (T 2982, T-2918)
Jharkhand State Pollution Control Board (JSPCB) (B-1874)

Noise Quality Test Report

Test Release Date	14-Dec-16	Protocol	IS : 15575.1.2005
Report ID	YBAEEL/JSR/16-12-6/Noise/01	Sample Description	Noise
Name of Industry		Type of Industry	Power plant
M/s Adhunik Power & Natural Resources Limited Unit I, Vill: - Padampur, Behind P.G.C.L.L substation, Jamshedpur -832105, Jharkhand		Sampling Duration	24 Hrs.
		Sample Collected by	Own/ Mukesh Singh & team
		Sampling Date	6th to 7th December 2016
		Customer Rep.	Mr. Kamlesh Jha

Work Zone Noise Report

Location	Station No.	Leq in dB	Norms dB
Turbine Floor	N 1	82.3	85 dB
Coal Crusher	N 2	76.4	85 dB
Cooling Tower	N 3	79.1	85 dB
Compressor House	N 4	83.4	85 dB
Boiler Feed Pump Area	N 5	78.4	85 dB

Ambient Noise Monitoring

Location	Station No.	Leq in dB (Day)	Leq in dB (Night)	Norms dB
Main Gate Area	N 6	54.6	33.1	Day - 75, Night -70
Occupational Health Centre	N 7	59.4	32.6	Day - 75, Night -70
Sati Steel (CHP Area)	N 8	73.1	52.9	Day - 75, Night -70
Reservoir Area	N 9	48.3	31.6	Day - 75, Night -70

Remarks: All values are observed well within the limit

Note:
Day Time - From 6:00 Am to 10:00Pm, Night Time - From 10:00 PM to 6:00 Am

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The liability of the laboratory is limited to the invoiced amount

All disputes are subjected to the Ranchi Jurisdiction

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