Kamlesh Kr Jha

From: Kamlesh Kr Jha

Sent: 24 September 2024 11:30

To: 'ranchijspcb@gmail.com'; 'ro.ranchi-mef@gov.in'; 'jspcb.jsr@gmail.com'

Subject: 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 for FY (2023-24).

Attachments: Environment Statement-Unit I (2023-24).pdf

To,

Member Secretary

Jharkhand State Pollution Control Board,

HEC Campus, Dhurva,

Ranchi, 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 2023-24.

This is for your kind information & record please.

Thanking You

Regards

Kamlesh Kumar

A.G.M-Environment

Adhunik Power & Natural Resources Itd.

Vill.-Padampur,, Behind P.G.C.I.L Substation, Tata-Kandra Road

Saraikela-Kharsawan, Pincode: -832402, Jharkhand

Cell No: - 07763818994

Email Id:- kamleshkrjha@adhunikpower.co.in

Website:- <u>www.adhunikpower.com</u>
Attachment: As mentioned above

CC: 1. Integrated Regional Office -Ranchi,

Ministry of Environment, Forest and Climate Change,

2nd Floor, Jharkhand State Housing Board (HQ)

Harmu Chaouk, Ranchi, Jharkhand-834002

2. Regional Office. JSPCB, Adityapur



ADHUNIK POWER & NATURAL RESOURCES LIMITED

WORKS: Village - Padampur, Behind P.G.C.I.L. Substation, Adityapur - Kandra Road, Saraikela - Kharsawan, PIN - 832402 Jharkhand Phone: +91 - 657 - 6628400, Fax: +91 - 657 - 6628440 CIN - U40101WB2005PLC102935

Ref No APNRL/JSPCB/ES/2023-24/01

Date: 23th Sep 2024

Member Secretary
Jharkhand State Pollution Control Board,
HEC Campus, Dhurva,
Ranchi, 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 2023-24.

This is for your kind information & record please.

Thanking You

Your's faithfully

(Authorized Signatory)

Encl: As mentioned above

CC: 1. Integrated Regional Office -Ranchi,

Ministry of Environment, Forest and Climate Change,

2nd Floor, Jharkhand State Housing Board (HQ)

Harmu Chaouk, Ranchi, Jharkhand-834002

CORPORATE OFFICE: "LANSDOWNE TOWER", 2/1A, Sarat Bose Road, Kolkata - 700 020

Ph: +91 - 33 - 30517100 / 7200 / 7300 • Fax: +91 - 33 - 22890285

REGD. OFFICE

: 14, N. S. Road, 2nd Floor, Kolkata - 700 001, Phone No. +91 - 33 - 22428551, 22428553

Website

: www.adhunikpower.com

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-2024 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

Adhunik Power & Natural Resources

Ltd, Vill- Padampur, Adityapur-Kandra Road, Dist-Sariekela-

Kharswan, Jharkhand

(ii) Industry Category Primary - STC Code Secondary - STC Code

(iii) Production Capacity – (Units-MT)

Red Category

Power(270 MWH)

(iv) Year of Establishment

(COMMERCIAL PRODUCTION DECLARED)

21st January-2013

(v) Date of Last Environmental Statement

Submitted

20th September 2023

PART-B

Water and Raw Material Consumption

(i) Water Consumption KL/Day

Process

: 731.48

Cooling

: 11726.4

Domestic

: 119.2

Name of product	Process water of	onsumption KL/ MW
	During the previous financial year 2022-23	During the current financial year 2023-24
Electricity	0.211	0.126

(ii) Raw Material Consumption

Name of Raw Materials	Name of product	Consumption of ra	w material per MW			
		During the previous financial year 2022-23	During the current financial year 2023-24			
Coal	Power	0.6720 MT	0.723 MT			
LDO		0.00023 KL	0.00013 KL			

PART – C

Pollution Discharged to environment / unit of output.

(Parameter as specified in the consent issued)

Pollutants	Qty. Of pollutants discharged (Mass / Day) NIL	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 BOD₅ < 30 mg/l COD < 250 mg/l	Handling syster 2) Effluent genera reutilized in que suppression sys	nt, IBD tank, CPI ing utilized in Ash m. ted from CBD is being enching & dust stem. ted from STP is being	Concentration is below the prescribed limits. ETP & STP analysis report are enclosed as Annexure I
(ii) Air(Stack) PM SO2 NOx	1044.5 Kg/Day 28614.3 Kg/Day 10301.6 Kg/Day	44.3 mg/Nm3 1213.6 mg/Nm3 436.9 mg/Nm3	Concentration of PM are below the prescribed limits Stack monitoring report are enclosed as Annexure II

Refer to MoEF notification dated 07.12.2015 and amendementto, FGD system installation are in progress to reduce the concentration of SO2 in Flue gases.

^{*}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 Qua	ntity (KL).
		During the previous financial Year	During the current financial Year
		2022-23	2023-24
1	From Process	Used Oil- 4.808 KL	Used Oil-2.80928 Kl
		Waste Oil- 1.463KL	Waste Oil-1.09152 KL
2	From Pollution	NA	NA
	Control Facilities		٠

- 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

	Total Qua	ntity (MT)
	During the previous financial Year	During the current financial Year
	2022-23	2023-24
(a) From Process		
Bottom Ash	81632.25 MT	72753 MT
(b) From Pollution Control Facility Fly Ash	462582.79 MT	555830 MT
(c) (1) Quantity recycled or		
re-utilized within the unit		
(2) Sold		
(3) Disposed		
Fly Ash	447346.8 MT	462320.09 MT
Bottom Ash	0 MT	45844.67 MT

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 as per CPCB Guidelines.
 - 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 the Ash dyke through pipeline in wet slurry mode.
- 2) Liquid Hazardous waste:
 - In this financial year, Used Oil-2.80928 KL & Waste Oil-1.09152 KL have been generated from process and disposed to authorized recycler as per norms of MoEF.
- 3) E Waste
 - E Waste are disposed through Authorized recprocessors/Recyclers.

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:

- Specific Water consumption in FY 2023-24 is 2.19 m3 /MWh which is substantially below the statutory limit of 3.5 m3 /MWh.
- Reduce-Reuse-Recycle is adopted for water usage. We are using effluent water generated from Cooling tower, DM plant, IBD tank for Ash handling system instead of fresh water from River Subarnarekha.
- Ash water recirculation system (AWRS) is operational since inception of the plant. AWRS is used to recirculate decanted water from ash ponds to plant, where water is again used in ash slurry system, thus freshwater requirement is minimal.
- 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 Truck tippling area.
- Dust Extraction system along with bag Filters have been installed at Coal bunkers, 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 5 which is helpful in water conservation which further lead to reduction in overall fresh water intake.
- Garland drain connected with coal settling pit are installed in the Coal Stockyards for the reutilize of coal containing water.
- Mist canyons are installed around the coal stock yard 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.
- 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.
 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.
- As per New Environment Norms, we are in process of bidding to install FGD system & DeNOx system for reducing level of SO2 and Oxide of Nitrogen in Flue gases.

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 BSI.
- 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 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 recognized organization i.e. ERM has been conducted to improve Environmental & Social Management system (EMS).
- 11. Celebration of Environmental promotional activities (Environment day, Earth Day, Water day, Ozone day).
- 12. Remote calibration facility of CEMS has been completed.

13. Solar light system has been installed in plant premises.

Date: 23/09/2024

Signature

Name : Designation :

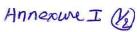
Address

M. N. Singh Head – O&M

Adhunik Power & Natural Resources

Limited, Village: Padampur Dist: Saraikela-Kharsawan –

832 402. Jharkhand





YUGANTAR BHARATI **ANALYTICAL & ENVIRONMENTAL ENGINEERING LABORATORY**



150 9001:2015 & ISO 45001:2018

Test Report

ULR (Unique	Lab Report) No.		TC	1	2	9	8 9	12	4	0	0	0	T	0 1) ()	1	4	8	TF	
Discipline	Chemical	Group	Polluti	on & E	nviron	ment	S	Sample Description							Waste Water / Effluent Water						
Report Rele	ase Date	16th March	, 2024	-				Report ID						YBAEEL-240229-152312-WW0							
W. Order / J	SPCB App. No.	303000696	4			ng0	W	ork Or	der D	ate					2024	_					
Type of Indu	ustry(If any)	Thermal P	hermal Power Plant					Job code/ Ref. no.							EL/W		IWI	Mar2	24/03		
VillPadampur, PGCILS Seraikela-Kharsawan, J Sampling Date 05/03/2024												By YBAEEL Team									
							-i		-	colle	ction		-	-							
Sampling Pr		IS: 17614	(Part-1):	2027		190	Sam	ole Co	de				2	4030	7-WV	/-E	01				
Sampling Lo	ocation	ETP Outlet					Sam	oling S	ourc	е			Effluent Water								
Sample pkg.	Condition	Sealed Pac	Sealed Pack in PP Bottle				Sam	Sample Quantity						3000 ml							
Meteorologic	cal Cond. of Field	W.C Clea	W.C Clear						RH % - 42						Temp27°C						
Sample rece	ipt Date	07/03/2024 Analysis Started on					07/03	/2024		A	nalys	is co	-				1	6/03/2	2024		

******Test Results *****

SI		Test Results			
O.	Parameter	Test Method	Units	Results	Limits
1.	pH value	IS 3025 (P-11):2022 (Electrometric Method)	pH	7.70 at 27.0°C	5.5 - 9.0
2.	Temperature	IS 3025 (P-09):2023	°C	27.0	
3.	Total Suspended Solids	IS 3025 (P-17):2022 (Gravimetric Method)	mg/I	12.0	100
4.	BOD (3 days at 27°C)	IS 3025 (P-44):1993, RA 2019 (Oxygen Depletion Method)	mg/l	4.8	30
5.	COD	IS 3025 (P-58):2006, RA 2022	mg/l	44.0	250
6.	Chloride (as Cl)	IS 3025 (P-32):1988, RA 2019 (Argentometric Method)	mg/l	10.9	
7.	Sulphate (as SO42-)	IS 3025 (P-24-Sec 1):2022 (Turbidity Method)	ma/l	18.4	
8.	Copper (as Cu)	APHA 3111 B 24th edition 2023 (Direct Air Acetylene Flame Method)	mg/l	BDL (MDL 0.01)	3
9.	Lead (as Pb)	APHA 3111 B 24th edition 2023 (Direct Air Acetylene Flame Method)	ngA	BDL (MDL 0.02)	0.1
10.	Zinc (as Zn)	APHA 3111 B 24th edition 2023 (Direct Air Acetylene Flame Method)	mg/l	0.10	5
11.	Chromium (as Cr)	APHA 3111 B 24th edition 2023 (Direct Air Acetylene Flame Method)	mg/!	0.37	2

Limit is specified as	Environmental (Protection) Rule - 1986.
Abbreviation	MDL: Minimum detection limit, BDL: Below detection limit,
Env. Condition of Lab	Laboratory is maintaining, Temperature 27 ± 2°C and Relative Humidity 65 ± 5% in all testing areas as per IS 196 1966 (C)
Specific contractual notes	All values are expressed in as unit and results listed refer only to the tested sample and applicable parameter in table Permanent Facility
	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 CEO.
	The samples collected shall be destroyed after 15 days from the date of issue of the certificate unless specified otherwise
	The liability of the laboratory is limited to the invoiced amount,
	All disputes are subjected to the Ranchi Jurisdiction.
Remarks	Sample complies with prescribed ilmit.

Sample Drawn By

- Mukesh Singh

Tested By

- Shivani Kumari Singh (Sr. Lab Analyst)

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

Sanjeev Kumar Singh (Technical Manager)

Yagantar Bharati Ampyrical & Euvrovinantal Eudineering Lobin or re

| Jamshedpur

Pakur

Enquiry Office -

Dhanbad



YUGANTAR BHARATI ANALYTICAL & ENVIRONMENTAL ENGINEERING LABORATORY



ISO 9001:2015 & ISO 45001:2018

Test Report

ULR (Unique Lab Report) No.		TC	1	2	9	8 9	2	A	10	n	0	In	10	7 0	14	1		T	
Discipline Chemical	Group	Pollutio	n&E	nviron	ment	-		Desci	intic	1 0	U	10	U	Mate	17	4	1	<u> </u> F	
Report Release Date	16th March,				Patt							Waste Water / Effluent Water							
W. Order / JSPCB App. No.	3030006964						Work Order Date						YBAEEL-240229-152312-WW01						
Type of Industry(If any)	Thermal Po	wer Pla	nt				Job code/ Ref. no.						.02.2					-	
Report Issue to	M/s Adhun								. no.			YE	BAEE	LIWA	/L/W/1	viar,	24/02		
Sampling Date	Seraikela-} 06/03/2024	(harsa)	van,	Jharkl	nand.	1	of sa	mnle	collec	tion		By YBAEEL Team							
Sampling Protocol	IS: 17614 (F	last dly	2024			1	of sai		collec	tion		Ву	YBA	EEL 7	eam	W. W			
Sampling Location	STP Outlet	ail-1). 2	.021			-	le Co	0.07						WW-E					
						-	ling S	_				Eff	luent	Wate	r				
Sample pkg. Condition Sealed Pack in PP Bottle					Samp	le Qua	intity				3000 ml								
Meteorological Cond. of Field W.C Clear						RH %	- 42					Temp27°C							
Sample receipt Date	07/03/2024	Ana	lysis	Started	d on	07/03	2024	į.	An	alvsis	com				1	6/03/2	2023	-	

******Test Results *****

SI	Parameter	Test Method	Units	Results	1808 1985
1	pH value	10 2025 (2.44) 2020 (5)	Office	Results	Limits
2		IS 3025 (P-11):2022 (Electrometric Method)	Hg	7.32 at 27.0°C	6.5 - 8.5
۷.	Temperature	IS 3025 (P-09):2023	°C	27.0	0.0
3.	Total Suspended Solids	IS 3025 (P-17):2022 (Gravimetric Method)			**
4.	BOD (3 days at 27°C)	IS 3025 (D. 44)-4002 DA 2040 (O	mgil	36.0	100
5.	Oil & Grease	IS 3025 (P-44):1993, RA 2019 (Oxygen Depletion Method)	mgli	16.0	30
-	100000000000000000000000000000000000000	IS 3025 (P-39):2021 (Partition Gravimetric Method)	mg/l	BDL (MDL 4.0)	
6.	Chloride (as CI)	IS 3025 (P-32):1988, RA 2019 (Argentometric Method)	mall	46.0	

Limit is specified as	Environmental (Protection) Rule – 1986.
Abbreviation	MDL : Minimum detection limit, BDL : Below detection limit,
Env. Condition of Lab	Laboratory is maintaining. Temperature 27 ± 2°C and Relative Humidity 65 ± 5% in all testing areas as per IS 196.1966 (C).
Specific contractual notes	All values are expressed in as unit and results listed refer only to the tested sample and applicable parameter in Lab's Permanent Facility 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 CEO. The samples collected shall be destroyed after 15 days from the date of issue of the certificate unless specified otherwise. The liability of the laboratory is limited to the involced amount. All disputes are subjected to the Ranchi Jurisdiction.
Remarks	Sample compiles with prescribed limit.

Sample Drawn By - Mukesh Singh

Tested By

- Shivani Kumari Singh (Sr. Lab Analyst)

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

Verified & Issued by Sanjeev Kumar Singh Au (Fechnical Manager) tory Chemical Section Yugantar Bharati Analytical & Environmental Engineering Laboratory

Enquiry Office -Jamshedpur Dhanbad Hazaribag Pakur Main Office Cum Laboratory :- Plot No. 551, Khata No 62, Sidroul, P.O. Namkum, P.S. Namkum, Ranchi, Jharkahnd Ph: 09835197960, 9304955304, Email - ybaeel@gmail.com, Web - https://ybaeel.in







YUGANTAR BHARATI ANALYTICAL & ENVIRONMENTAL ENGINEERING LABORATORY



Certified by:-

ISO 9001:2015 & ISO 45001:2018

Test Report

URL(Unique Lab Report) No.		TC	1	2	9	8	9	2	1	0	0	n	0	0	n	4	2	2	Tr	
Discipline Chemical	Atmo	osphe	ric Po	llution	1	Sample Description St							tionno Course Fair i							
Report Release Date	16th March, 20													Stationary Source Emission YBAEEL-240229-152312- S1						
W. Order / JSPCB App. No.	3030006964						1011							2.202		J-13,	2012-	31		
Type of Industry(If any)	er Plant	****					code		-	7000		100000000000000000000000000000000000000			A /M/1-	r24/	14			
Report Issue to	M/s Adhuni VillPadam Seraikela-K	pur, PG	CILS	, Ka	ndra-	8324		.td.		20-110	110				17 17 tol	201110		<i>,</i> 1		
Sampling Period	05/03/2024		,			ode of	sami	ale co	Herti	on				Di	VDAL	T ID:	A 4 10c		-	
Sampling Protocol IS: 11255 & CPCB Guideli					80/201	3-141	Callin		11000	VII				By YBAEEL Team						
Meteorological Cond. of Field	W.C Clear			1		1%-	17					-		To	mp. –	วดอก				
Sample receipt Date	07/03/2024	Analy	sis S	tarted			7/03/2	024		Analy	sis co	mnle	eted or				/202a		-	

General Information

As observed while sampling		As reported by customer		
Location	Sampling port hole	Type of fuel Used	Coal	
Platform	Permanent	Quantity of Fuel Used(During Sampling)	176 Ton/Hr.	
Stack Description (Shape & Material)	Circular / RCC	Total production Capacity	274 MW	
Sampling port	Available	Height of Stack from ground level	275mtr.	
Stack Identification	Unit - I	Inner Diameter of Stack	4.2 mtr.	
Height of port hole from Ground level	90 mtr.	Pollution Controlling Device (if any)	ESP	
Running Oven during sampling (if any)	N/A	Total No. of Oven (if any)	NIA	
Stack gas Temperature (k)	393,0	Total Ho. of Orell (II ally)	INIA	
Stack gas Velocity (m/s)	26.0			
Volumetric Flow Rate (Nm3/hr)	982418.0			

Emission Rate based on Calculation of Volumetric Flow rate

ticulate Matter (PM)	Kg/hr	48.5
phure Dioxide (SO ₂)	Kalhr	1192.5
de of Nitrogen (as NO _x)	V	645.2
	ohure Dioxide (SOz)	ohure Dioxide (SO ₂) Kg/hr

SI	Parameters	Test Method	Units	Results	Limits
1.	Particulate Matter (PM)	IS 11255 (Part 1)2009, RA 2019	mg/Nm³	44.3	50
2.	Sulphure Dioxide (SO ₂)	IS 11255 (Part 2)2009, RA 2019	mg/Nm³	1213.8	600
3.	Oxide of Nitrogen (as NO _x)	IS 11255 (Part 7)2005, RA 2022	mg/Nm³	436.9	450
4.	Carbon Monoxide (CO)	IS 13270:1992:2009, RA 2019	%	BDL (MDL 0.2)	400

Limit is specified as	Environmental (Protection) Rule – 1986.
Abbreviation	MDL: Minimum detection limit, BDL: Below detection limit,
Env. Condition of Lab	Laboratory is maintaining, Temperature 27 ± 2°C and Relative Humidity 65 ± 5% in all testing areas as per iS 196:1966 (C).
Specific contractual notes	All Values are expressed in as unit and results listed refer only to the tested sample and applicable parameter in Lab's Permanent Facility
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	The samples collected shall be destroyed after 15 days from the date of issue of the report unless specified otherwise.
	The liability of the laboratory is limited to the invoiced amount
	All disputes are subjected to the Ranchi Jurisdiction.
Remarks	Sample complies with prescribed limits, except SO ₂ .

Sample Drawn By

- Mukesh Singh

Tested By

- Akash Khalkho (Lab Analyst)

Verified & Issued by
Sanjeev Kumar Singh

Authorspharic Pollution Atmospharic Pollution Yugantar Bharati Analytical &

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

Environmental Englishing Laboratory

