

Ref: PPGCL/ENV/FY24/41

Date: 29.05.2023

To,
Shri Pankaj Agrawal, IFS
Deputy Director General of Forests (C),
Ministry of Environment, Forest and Climate Change
Regional Office (CZ),
Kendriya Bhawan, 5th Floor Sector "H", Aliganj
Lucknow – 226020

Subject: Half yearly report for the period October'22 to March'23 on compliance of the stipulated condition of Environment Clearance awarded by MoEF for 3 x 660 MW to M/s Prayagraj Power Generation Company Limited at Bara, Prayagraj.

Dear Sir,

We are enclosing here with the half yearly report for the period October'22 to March'23 on compliance of the stipulated condition of Environment Clearance granted by MoEF for 3 x 660 MW to M/s Prayagraj Power Generation Company Limited at Bara, Prayagraj.

This is for your kind information and record please.

Sincerely

For Prayagraj Power Generation Company Limited


S H Pandey
Chief - O&M Services

Enclosure: Environment Clearance compliance with Annexures 1 to 12

Cc: i) Incharge,

CPCB, Zonal Office (North), Lucknow

ii) Member Secretary

UPPCB, Lucknow

iii) Regional Officer

UPPCB, Prayagraj

Prayagraj Power Generation Company Limited

Registered Office : Shatabdi Bhawan, B 12 & 13, Sector 4, Gautam Budh Nagar, Noida, Uttar Pradesh - 201301

Phone: + 91-120-6102000/6102208 CIN: U40101UP2007PLC032835

Plant Address : P.O. - Lohgara, Tehsil - Bara, Prayagraj (Allahabad), Uttar Pradesh - 212107

Phone: + 91-7525006400/ 8528846666, Web:-ppgcl.co.in, Email:-ppgcl@ppgcl.co.in

Name of Project: 3x660MW THERMAL POWER PROJECT at BARA, Allahabad, (UP) of M/s Prayagraj Power Generation Co. Ltd (PPGCL)

Clearance letter No: J-13011/60/2008-1A.II (T) 08.09.2009 and Extension of validity letter No J-13011/60/2008 – I A.II (T) dated 23.03.2015

For the period Oct'22 to March'23

S.No	Stipulated Conditions	Compliance Status
(i)	No additional land in excess of 1468 acres ha shall be acquired for any activity/facility of this project.	Noted.
(ii)	A certificate from the Tehsildar for the land use of the project area with respect to single crop/double crop shall be furnished within 15 days from the date of the issue of this letter.	Complied. Required certificate for land use, issued by Tehsildar was submitted vide letter No. PPGCL/109 dated 22.8.2009.
(iii)	Sulphur and ash contents in the coal to be used in the project shall not exceed 0.5% and 34% respectively at any given time.	The average ash percentage in coal for the period Oct-22 to Mar-23 is 33.8% and Sulphur content is within 0.42%.
(iv)	Two stacks (one bi-flue and one single flue) of 275 m height each shall be provided with continuous online monitoring equipments for SOx and NOx particulate matter. Exit velocity of flue gases shall not be less than 22 m/sec. Mercury emissions from stack may also be monitored on periodic basis.	Stack of 275 m height is provided with online continuous monitoring equipment in all three units for SOx, NOx, and particulate matter. Average exit velocity of flue gas from Unit I, II and III stack for the period from Oct-22 to Mar-23 is 22.4 m/s, 22.3 m/s and 22.6 m/s respectively. Mercury monitoring is also being carried out through third party. Stack monitoring report is attached in Annexure-1.
(v)	High efficiency Electrostatic Precipitators (ESPs) shall be installed to ensure that particulate emission does not exceed 50 mg/Nm ³ .	Complied. High efficiency ESP has been installed and in continuous operation. Stack monitoring report is attached in Annexure-1.
(vi)	Adequate dust extraction system such as cyclones/bag filters and water spray system in dusty areas such as in coal handling and ash handling points, transfer areas and other vulnerable dusty areas shall be provided.	Complied. Dust extraction and dust suppression system has been installed. Fogging system has been installed in wagon tippler. Also, the roads have been made pucca. Photographs are attached in Annexure-2
(vii)	Fly ash shall be collected in dry form and storage facility (silos) shall be provided. 100% fly ash utilization shall be ensured from 4 th year onwards. Unutilized fly ash shall be disposed off in the ash pond in the form of slurry form. Mercury and other heavy metals (As, Hg, Cr, Pb, etc.) will be monitored in the bottom ash and also in the effluents emanating from the existing ash pond. No ash shall be disposed off in low lying area.	RCC Silo's have been constructed for storage of dry fly ash from ESP hoppers. Fly ash utilization being done through cement and brick manufacturers. Mercury and other heavy metals monitored in the bottom ash and from the effluents of existing ash pond by third party is attached as Annexure - 3. Fly ash utilization in low lying area is permitted vide MoEF&CC OM dated 28 th August 2019.
(viii)	Ash pond shall be lined with HDPE lining. Adequate safety measures shall also be implemented to protect the ash dyke from getting breached.	Ash pond is lined with HDPE. Adequate safety measures have been adopted to protect the ash dyke from getting breached.

(ix)	Closed cycle cooling system with natural draft cooling towers shall be provided. The effluents shall be treated as per the prescribed norms. COC of 5 shall be adopted.	Complied. Effluent is being treated and CoC maintained.
(x)	No ground water shall be extracted for the project work at any stage.	Water is being taken from Yamuna River through pipeline.
(xi)	The treated effluents conforming to the prescribed standards only shall be re-circulated and reused within the plant. There shall be no discharge outside the plant boundary except during monsoon. Arrangements shall be made that effluents and storm water do not get mixed.	Being complied, the treated effluent is re-used within the plant.
(xii)	A sewage treatment plant shall be provided and the treated sewage shall be used for raising green belt/plantation.	Complied. The treated sewage is being used in horticulture.
(xiii)	Rain water harvesting should be adopted. Central Ground Water Authority/Board shall be consulted for finalization of appropriate rain water harvesting technology within a period of three months from the date of clearance and details shall be furnished.	Being complied. Central Ground Water Authority (CGWA), Allahabad Office has been consulted for appropriate rainwater harvesting system. The suggestion of Central Ground Water Authority (CGWA) regarding rainwater harvesting has already been submitted vide letter no PPGCL/BARA/MOEF/15/10/169 dated: 27.04.15 As advised by Central Ground Water Authority (CGWA), four nos. of Piezometers have been installed for ground water monitoring and two numbers of percolation pond has been constructed for rain water harvesting. Also, we are developing structure for roof top rain water harvesting in some buildings.
(xiv)	Adequate safety measures shall be provided in the plant area to check/minimize spontaneous fires in coal yards, especially during summer season. Copy of these measures with full details along with location plant lay out shall be submitted to the Ministry as well as to the Regional Office of the Ministry at Lucknow.	Complied. Fire protection system for plant includes measure to check / minimize spontaneous fires in coal yard. We have already submitted the details of fire protection system to check / minimize spontaneous fires in coal yard with plant lay out vide our letter no PPGCL/BARA/MOEF/14/05 Date 09.05.2014
(xv)	Storage facilities for auxiliary liquid fuel such as LDO and/HFO/LSHS shall be made in the plant area in consultation with Department of Explosives, Nagpur. Sulphur contents in the liquid fuel will not exceed 0.5%. Disaster Management Plan shall be prepared to meet any eventuality in case of an accident taking place due to storage of oil.	Complied.
(xvi)	Regular monitoring of ground water in and around ash pond area including heavy metals (Hg, Cr, As, Pb) shall be carried out, records maintained, and six monthly reports shall be furnished to the Regional Office of this Ministry.	Being complied with. The ground water monitoring report is attached in Annexure 4. The parameters are within standards.

	The data so obtained should be compared with the base line data so as to ensure that the ground water quality is not adversely affected due to project.	
(xvii)	A green belt of adequate width and density shall be developed around the plant periphery covering 1/3 of total area preferably with local species.	We have planted approx. 3,34,060 nos. of sapling till Mar 2023. We have planted saplings of Neem, Seesham, Karanj, Pipal, Bargad, Kadam, Alstonia, Gulmohar, Bamboo, Ashoka. Other species include Imli, Amla, Mango, Guava and Bougenvillia, Champa, Kanail. Plantation during the coming monsoon will be done within plant premises. Photographs of green belt is attached in Annexure - 5
(xviii)	First-Aid and sanitation arrangements shall be made for the drivers and other contract workers during construction phase.	Complied.
(xix)	Noise levels emanating from turbines shall be so controlled such that the noise in the work zone shall be limited of 75 dB (A). For people working in the high noise area, requisite personal protective equipments like ear-plugs/ear muffs etc. shall be provided. Workers engaged in noisy areas such as turbine areas, air compressors etc. shall be periodically examined to maintain audiometric record and for treatment for any hearing loss including shifting to non-noisy/less noisy areas.	Noise monitoring report is attached as Annexure -6. Personal protective equipment like earplugs/ ear muffs etc. have been provided.
(xx)	Regular monitoring of ground level concentration of SO ₂ , NO _x , RSPM and Hg shall be carried out in the impact zone and records maintained. If at any stage, these levels are found to exceed the prescribed limits, necessary control measures shall be provided immediately. The location of the monitoring stations and frequency of monitoring shall be decided in consultation with SPCB. Periodic reports shall be submitted to the Regional Office of this Ministry. The data shall also be put on the web site of the company.	Complied. The locations of the monitoring stations have been approved by U. P. Pollution Control Board (UPPCB) vide our letter no PPGCL / BARA / MOEF / 14 / 05 Dated 09.05.2014. Ambient air quality monitoring report is attached as Annexure- 7.
(xxi)	A good action plan for R&R with package for the project affected persons be provided as per prevalent R&R policy within three months from the date of issue of this letter.	Complied.
(xxii)	An amount of Rs. 32 crores as capital and Rs. 6 crores/annum as recurring should be earmarked for activities to be taken up under CSR by the above proponent. Details of the activities to be undertaken in this regard should be submitted within one month from the date of issue of this letter.	During FY 22-23, an amount of Rs. 6.17 Crore has been incurred in different programs under thrust area – Education, Health & Sanitation, Skilling for livelihood, Social and financial inclusion. The activities undertaken are Skill building training to 450 youths of surrounding community through NSDC, support to DAV Sardar Patel public School, health services at health center, construction/repairing of 6 Km road for villagers connectivity, Construction of check dam, Nutrition supplement to 100 TB patients for six months.

		<table> <tr> <th colspan="3">CSR Expenditure FY 22-23</th></tr> <tr> <th>S. No.</th><th>Thrust Area/Programs</th><th>Amount (Lakh)</th></tr> <tr> <td>1</td><td>Education</td><td>141.04</td></tr> <tr> <td>2</td><td>Health and Sanitation</td><td>143.85</td></tr> <tr> <td>3</td><td>Skilling for Livelihood</td><td>78.3</td></tr> <tr> <td>4</td><td>Social and Financial Inclusion</td><td>236.98</td></tr> <tr> <td colspan="2">Total</td><td>600.17</td></tr> </table>	CSR Expenditure FY 22-23			S. No.	Thrust Area/Programs	Amount (Lakh)	1	Education	141.04	2	Health and Sanitation	143.85	3	Skilling for Livelihood	78.3	4	Social and Financial Inclusion	236.98	Total		600.17
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(xxiii)	Provision shall be made for the housing of the construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health structures to be removed after the completion of the project.	Complied. As the project is in operation it is not applicable now.																					
(xxiv)	The project proponent shall be advertised 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/Committee and may also be seen at the web site of the Ministry of Environment and Forests at http://envfor.nic.in	Complied. Advertisement was published in the Hindustan Times, The Times of India (English) Daily and Dainik Jagran and Amar Ujala (Hindi Daily) on 7 th Oct. 2009 immediately after receipt of EC.																					
(xxv)	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 is 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.	Complied Copy of the clearance letter has already been sent to the concerned departments as prescribed.																					
(xxvi)	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.	Complied. Separate Environment department is functioning.																					
(xxvii)	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MOEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely SPM, RSPM SO ₂ , NO _x (ambient levels as well as stack emissions) shall be displayed at a convenient location near the main gate of the company in the public domain.	Compliance of EC condition is being submitted on time. Last report was submitted on 30.11.2022. Data of stack and ambient air is displayed at main gate of the company. Please refer Annexure - 8																					
(xxviii)	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well by e-mail) to the respective regional office of MOEF, the respective Zonal Office of CPCB and the SPCB.	Being complied. Last report was submitted on 30.11.2022.																					

(xxix)	The environment statement for each financial year ending 31 st 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 EC conditions and shall also be sent to the respective Regional Offices of MOEF by e-mail.	Being complied. Environment statement for FY 2021-2022 was submitted on 16.09.2022. Please refer Annexure - 9
(xxx)	Regional office of the Ministry of Forests located at Lucknow will monitor the implementation of the stipulated conditions. A complete set of documents including Environmental Impact Assessment Report and Environment Management Plan along with additional information submitted from time to time shall be forwarded to the Regional Office for their use during monitoring. Project Proponent will upload the compliance status in their website and update the same from time to time at least six monthly basis. Criteria pollutants levels (stack & ambient levels of NOx) will be displayed at the main gate of the power plant.	Complied. EIA/EMP report, DPR and other relevant documents have already been submitted to the Regional Office of MOEF at Lucknow. Data of stack and ambient air is displayed at main gate. Please refer Annexure - 8
(xxxi)	Separate funds shall be allocated for implementation of environmental protection measures along with item-wise break up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should be reported to the Ministry.	Complied. Separate fund is available for environmental protection measures. Expenditure incurred for Environment protection measure during FY 22-23 is attached as Annexure - 10
(xxxii)	The project authorities shall inform the Regional Office as well as the Ministry regarding the date of financial closure and final approval of the project by the concerned authorities and dates of start of land development work and commissioning of plant.	Financial closure was obtained on 06.07.2010 and the construction activity for the project was started in Aug. 2010. All the three units are commissioned and in operation.
(xxxiii)	Full cooperation shall be extended to the Scientists/Officers from the Ministry/Regional Office of the Ministry at Bangalore/the CPCB/the SPCB who would be monitoring the compliance of environmental status.	Agreed.

Status of Compliance conditions stipulated in extension of validity letter no J-13011 / 60 / 2008 - IA.II (T) dtd 23.03.2015 is as under;

S.No.	<u>Stipulated Conditions</u>	<u>Compliance Status</u>
xxxiv	Harnessing solar power within the premises of the plant particularly at available rooftops shall be carried out and status of implementation including actual generation of solar power shall be submitted along with half –yearly monitoring report.	PPGCL has installed a total of 265 kW roof top solar power at school and hospital roof and roof top solar heater at guest houses. Solar based street and garden lights have also been installed. Please refer Annexure - 11

xxxv	A long term study of radio activity and heavy metals contents on coal to be used for the power plant shall be carried through a reputed institute and results thereof analyzed every two years and reported along with monitoring reports. Thereafter mechanism for an in-built continuous monitoring for radio activity and heavy metals in coal and fly ash (including bottom ash) shall be put in place.	Radioactivity test report carried out by BRIT-BARC, Mumbai. Analysis report of heavy metals in fly ash and ash is enclosed as Annexure 12.
xxxvi	Space for FGD shall be provided for future installation as may be required.	Space for FGD has already been provided for future installation. FGD installation civil work is in progress.
xxxvii	Fugitive emissions shall be controlled to prevent impact on agricultural or non-agricultural land in the vicinity, if any.	Complied. Dust extraction and dust suppression system has been installed to control fugitive emission. Photographs is attached in Annexure -2
xxxviii	Fly ash shall not be used for agricultural purpose. No mine void filling will be undertaken as an option for ash utilization without adequate lining of mine with suitable media so that no leachate shall take place at any point of time. In case, the option of mine void filling is to be adopted, prior detailed study of soil characteristics of the mine area shall be undertaken from a reputed institute and accordingly clay lining of adequate thickness shall be provided. This shall be carried out in close co-ordination with State Pollution Control Board who shall ensure that clay lining of appropriate thickness is provided.	MoEF&CC vide OM dated 28 th August 2019 has permitted use of fly ash in abandoned mines / low lying areas / soil conditioner in agriculture.
xxxix	No water bodies including natural drainage system in the area shall be disturbed due to activities associated with setting up / operation of the power plant.	Noted.
xxxx	Green belt shall also be developed around the Ash Pond over and above the Green Belt around the plant boundary.	We have planted approx. 3,34,060 nos. of sapling till Mar 2023. We have planted saplings of Neem, Seesham, Karanj, Pipal, Bargad, Kadam, Alstonia, Gulmohar, Bamboo, Ashoka. Other species include Imli, Amla, Mango, Guava and Bougenvillia, Champa, Kanail. Plantation during the coming monsoon will be done within plant premises. Photographs of green belt is attached in Annexure - 5
xxxxi	For proper and periodic monitoring of CSR activities, a CSR Committee or a Social Audit Committee or a credible external agency shall be appointed. CSR activities shall also be evaluated by an independent external agency. This evaluation shall be both concurrent and final.	PPGCL has a CSR committee.
xxxxii	An Environmental Cell comprising of at least one expert in environmental science / engineering,	Environment cell has been established with qualified manpower.

	ecology, occupational health and social science, shall be established preferably at the project site itself and shall be headed by an officer of appropriate level and qualification. It shall be ensured that the Head of the cell shall directly report to the Head of the Plant who would be accountable for implementation of environmental regulations and social impact improvement / mitigations.	
xxxxiii	The Project proponent shall formulate a well laid corporate Environment Policy and identify and designate responsible officers at all levels of its hierarchy for ensuring adherence to the policy and compliance with the conditions stipulated in this clearance letter and other applicable environmental laws and regulations.	PPGCL has a well laid Environment Policy.

**Status of Compliance Additional conditions stipulated vide letter no
IV /ENV/P/THE/-39 / 311 / 2009 / 1173 dtd 16.11.2011 is as under;**

S.No	<u>Stipulated Conditions</u>	<u>Compliance Status</u>
(i)	Continuous monitoring of stack and ambient air to be carried out.	Being complied. Continuous monitoring of ambient and stack is being carried out.
(ii)	Display of monitoring data in public domain (main gate).	Being complied. Data of stack and ambient air is being displayed at main gate.
(iii)	To put up monitoring data and six monthly monitoring report on their website	Being complied. Monitoring data and six-monthly monitoring report is periodically uploaded on the Company website.

Mitra S.K.Private Limited

Building No. P- 48, Udayan Industrial Estate,
3, Pagladanga Road,
Kolkata 700015 West Bengal
Tel. : +91 7044036120
Email : udayanlab@mitrask.com
Web : www.mitrask.com

Annexure-1



TEST REPORT

ULR: TC-695022000008445F

Name & Address of the Customer:

Prayagraj Power Generation Company Ltd.
P.O- Lohgara, Tehsil, Bara,
Prayagraj(Allahabad),
Uttarpradesh-212107.

Report No.

:C/2022/8445

Date

:10.11.22

Sample No.

:MSK/KOL/2022/8203

Date of receipt of sample

:28.10.22

Date(s) of performance

:28.10.22-10.11.22

Ref. No. & Date

:9200000102 dt.24.05.21

Discipline

:Chemical

We hereby certify that the following sample drawn by us from the customer has been analyzed with the following results:

1	Group	: Atmospheric Pollution
2	Description of sample	: Stack
3	Date of sampling	: 25.10.22 at 06.06 pm to 07.10 pm
4	Unique Identification	: Equipment Used : MSK/KTN/SMK-01
5	Place of sampling	: STACK OF CHEMNEY UNIT 01, (THIMBLE NO.919)
6	Sampling Plan & Procedures used	: IS
7	Environmental conditions during sampling & Transport Condition	: (2 - 5) °C Cold chain maintained.
8	Identification of the personnel performing sampling	: Mr. Ramesh Kumar Nishad

Report prepared by:

Signature :
Name : Mr. Asim Kumar Jana
Designation : Sr. Office Assistant

Report Verified By

Signature :
Name : Ms. Paulami Dutta
Designation : Sr.Executive QA

Report Sign By Authorized Signatory

Signature :
Name : Dr. Soumyadeep Mukhopadhyay
Designation : Lab In Charge

- The results relate only to the item(s) tested.
- This Test Report shall not be reproduced except in full, without the permission of Mitra S.K. Private Limited.
- The reserved part of sample(s) for chemical analysis (Non - perishable sample(s) Food, Water) shall be retained for 15 days from the date of issue of the Test Report. Perishable sample(s) shall be retained 2 days from the date of issue of the Test Report.
- The reserved part of sample(s) for chemical analysis (Soil, Solid & Liquid Waste) shall be retained for 15 days as per CPCB guideline & (Air) 1 month from the date of issue of the Test Report.
- The reserved part of sample(s) for Microbiological analysis (Non - perishable sample(s) Food, Sealed Water, Sealed food) shall be retained for 15 days from the date of issue of the Test Report. Perishable sample(s) shall be retained 2 days from the date of issue of the Test Report.

Mitra S.K.Private Limited

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Email : udayanlab@mitrask.com
Web : www.mitrask.com

Doc No: MSK/11/19/002



TC-6950

Report No. : C/2022/8445
Sample No. : MSK/KOL/2022/8203

ULR: TC-695022000008445F

ANALYSIS RESULT

A : GENERAL INFORMATION ABOUT STACK :

- | | | |
|---|---|--------------------------------------|
| 1 | Stack connected to | : STACK OF CHEMNEY UNIT 01 |
| 2 | Emission due to | : Burning of Coal |
| 3 | Material of construction of Stack | : MS |
| 4 | Shape of Stack | : Circular |
| 5 | Whether Stack is provided with permanent platform | : Yes |
| 6 | DG Capacity | : Load-352.8 MW, Coal Flow-194.7 TPH |

B : PHYSICAL CHARACTERISTICS OF STACK :

- | | | |
|---|--|------------------------|
| 1 | Height of Stack from ground level | : 275 m |
| 2 | Diameter of Stack at sampling point | : 7.4 m |
| 3 | Height of the sampling point from ground level | : 80 m |
| 4 | Area of Stack | : 43.03 m ² |

C : ANALYSIS/CHARACTERSTIC OF STACK :

- 1 Fuel used : Coal

2. Fuel consumption:-

D : RESULTS OF SAMPLING & ANALYSIS OF GASEOUS EMISSION :

	UNIT	METHOD	RESULT
1 Temperature of emission	°C	IS:11255 Part-3	114
2 Barometric pressure	mm of Hg	IS:11255 Part-3	742
3 Velocity of gas	m/sec	IS:11255 Part-3	22.16
4 Quantity of gas flow	Nm ³ /hr	IS:11255 Part-3	2559673.384
5 Concentration of Carbon monoxide	%v/v	IS:13270	<0.2
6 Concentration of Carbon dioxide	%v/v	IS:13270	12.2
7 Concentration of Oxygen	%v/v	IS:13270	6.4
8 Concentration of Sulphur di oxide	mg/Nm ³	IS:11255 Part-2	525.0
9 Concentration of Nitrogen di oxide	mg/Nm ³	IS:11255 Part-7	318.7
10 Concentration of Particulate Matters	mg/Nm ³	IS:11255 Part-1	37.0
11 Moisture content	%v/v	USEPA Part 4	<2.0
12 Mercury as Hg (Particulate)	mg/Nm ³	USEPA-29	0.006
13 Mercury as Hg (Gaseous)	mg/Nm ³	USEPA-29	<0.003

E : POLLUTION :

Details of pollution control devices attached with the stack : NIL

End

Report prepared by:

Signature :
Name : Mr. Asim Kumar Jana
Designation : Sr. Office Assistant

Report Verified By

Signature :
Name : Ms. Paulami Dutta
Designation : Sr. Executive QA

Report Sign By Authorized Signatory

Signature :
Name : Dr. Soumyadeep Mukhopadhyay
Designation : Lab In Charge

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Email : udayanlab@mitrask.com
Web : www.mitrask.com



TEST REPORT

ULR: TC-695022000008446F

Name & Address of the Customer:

Prayagraj Power Generation Company Ltd.
P.O- Lohgara, Tehsil, Bara,
Prayagraj(Allahabad),
Uttarpradesh-212107.

Report No. : C/2022/8446
Date : 10.11.22
Sample No. : MSK/KOL/2022/8204
Date of receipt of sample : 28.10.22
Date(s) of performance : 28.10.22-10.11.22
Ref. No. & Date : 9200000102 dt.24.05.21
Discipline : Chemical

We hereby certify that the following sample drawn by us from the customer has been analyzed with the following results:

1	Group	: Atmospheric Pollution
2	Description of sample	: Stack
3	Date of sampling	: 25.10.22 at 06.06 pm to 07.10 pm
4	Unique Identification	: Equipment Used : MSK/KTN/SMK-01
5	Place of sampling	: STACK OF CHEMNEY UNIT 02, (THIMBLE NO.907)
6	Sampling Plan & Procedures used	: IS
7	Environmental conditions during sampling & Transport Condition	: (2 - 5) °C Cold chain maintained.
8	Identification of the personnel performing sampling	: Mr. Ramesh Kumar Nishad

Report prepared by:

Signature :
Name : Mr. Asim Kumar Jana
Designation : Sr. Office Assistant

Report Verified By

Signature :
Name : Ms. Paulami Dutta
Designation : Sr. Executive QA

Report Sign By Authorized Signatory

Signature :
Name : Dr. Soumyadeep Mukhopadhyay
Designation : Lab In Charge

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Report No. : C/2022/8446
Sample No. : MSK/KOL/2022/8204

ULR: TC-695022000008446F

ANALYSIS RESULT

A : GENERAL INFORMATION ABOUT STACK :

- | | | |
|---|---|------------------------------------|
| 1 | Stack connected to | : STACK OF CHEMNEY UNIT 02 |
| 2 | Emission due to | : Burning of Coal |
| 3 | Material of construction of Stack | : MS |
| 4 | Shape of Stack | : Circular |
| 5 | Whether Stack is provided with permanent platform | : Yes |
| 6 | DG Capacity | : Load-363 MW, Coal Flow-201.4 TPH |

B : PHYSICAL CHARACTERISTICS OF STACK :

- | | | |
|---|--|------------------------|
| 1 | Height of Stack from ground level | : 275 m |
| 2 | Diameter of Stack at sampling point | : 7.4 m |
| 3 | Height of the sampling point from ground level | : 80 m |
| 4 | Area of Stack | : 43.03 m ² |

C : ANALYSIS/CHARACTERSTIC OF STACK :

- 1 Fuel used : Coal

2. Fuel consumption:-

D : RESULTS OF SAMPLING & ANALYSIS OF GASEOUS EMISSION :

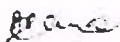
	UNIT	METHOD	RESULT
1 Temperature of emission	°C	IS:11255 Part-3	119
2 Barometric pressure	mm of Hg	IS:11255 Part-3	742
3 Velocity of gas	m/sec	IS:11255 Part-3	22.11
4 Quantity of gas flow	Nm ³ /hr	IS:11255 Part-3	2487832.552
5 Concentration of Carbon monoxide	%v/v	IS:13270	<0.2
6 Concentration of Carbon dioxide	%v/v	IS:13270	10.2
7 Concentration of Oxygen	%v/v	IS:13270	8.4
8 Concentration of Sulphur di oxide	mg/Nm ³	IS:11255 Part-2	548.4
9 Concentration of Nitrogen di oxide	mg/Nm ³	IS:11255 Part-7	350.9
10 Concentration of Particulate Matters	mg/Nm ³	IS:11255 Part-1	35.2
11 Moisture content	%v/v	USEPA Part 4	2.5
12 Mercury as Hg (Particulate)	mg/Nm ³	USEPA-29	0.008
13 Mercury as Hg (Gaseous)	mg/Nm ³	USEPA-29	<0.003

E : POLLUTION :

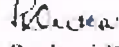
Details of pollution control devices attached with the stack : NIL

End

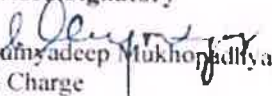
Report prepared by:

Signature : 
Name : Mr. Asim Kumar Jana
Designation : Sr. Office Assistant

Report Verified By

Signature : 
Name : Ms. Paulami Dutta
Designation : Sr. Executive QA

Report Sign By Authorized Signatory

Signature : 
Name : Dr. Soumyadeep Mukhopadhyay
Designation : Lab In Charge



TEST REPORT

ULR: TC-695022000008447F

Name & Address of the Customer:

Prayagraj Power Generation Company Ltd,
P.O- Lohgara, Tehsil, Bara,
Prayagraj(Allahabad),
Uttarpradesh-212107.

Report No. : C/2022/8447
Date : 10.11.22
Sample No. : MSK/KOL/2022/8205
Date of receipt of sample : 28.10.22
Date(s) of performance : 28.10.22-10.11.22
Ref. No. & Date : 9200000102 dt.24.05.21
Discipline : Chemical

We hereby certify that the following sample drawn by us from the customer has been analyzed with the following results:

1	Group	: Atmospheric Pollution
2	Description of sample	: Stack
3	Date of sampling	: 25.10.22 at 06.06 pm to 07.10 pm
4	Unique Identification	: Equipment Used : MSK/KTN/SMK-01
5	Place of sampling	: STACK OF CHEMNEY UNIT 03, (THIMBLE NO.916)
6	Sampling Plan & Procedures used	: IS
7	Environmental conditions during sampling & Transport Condition	: (2 - 5) °C Cold chain maintained.
8	Identification of the personnel performing sampling	: Mr. Ramesh Kumar Nishad

Report prepared by:

Signature :
Name : Mr. Asim Kumar Jana
Designation : Sr. Office Assistant

Report Verified By

Signature :
Name : Ms. Paulami Dutta
Designation : Sr.Executive QA

Report Sign By Authorized Signatory

Signature :
Name : Dr. Soumyadeep Mukhopadhyay
Designation : Lab In Charge

- The results relate only to the item(s) tested.
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- The reserved part of sample(s) for chemical analysis (Non - perishable sample(s) Food, Water) shall be retained for 15 days from the date of issue of the Test Report. Perishable sample(s) shall be retained 2 days from the date of issue of the Test Report.
- The reserved part of sample(s) for chemical analysis (Soil, Solid & Liquid Waste) shall be retained for 15 days as per CPCB guideline & (Air) 1 month from the date of issue of the Test Report.
- The reserved part of sample(s) for Microbiological analysis (Non - perishable sample(s) Food, Sealed Water, Sealed food) shall be retained for 15 days from the date of issue of the Test Report. Perishable sample(s) shall be retained 2 days from the date of issue of the Test Report.

Mitra S.K.Private Limited

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Kolkata 700015, West Bengal
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Web : www.mitrask.com



Report No. : C/2022/8447
Sample No. : MSK/KOL/2022/8205

ULR: TC-695022000008447F

ANALYSIS RESULT

A : GENERAL INFORMATION ABOUT STACK :

- | | | |
|---|---|--------------------------------------|
| 1 | Stack connected to | : STACK OF CHEMNEY UNIT 03 |
| 2 | Emission due to | : Burning of Coal |
| 3 | Material of construction of Stack | : MS |
| 4 | Shape of Stack | : Circular |
| 5 | Whether Stack is provided with permanent platform | : Yes |
| 6 | DG Capacity | : Load-358.7 MW, Coal Flow-227.4 TPH |

B : PHYSICAL CHARACTERISTICS OF STACK :

- | | | |
|---|--|------------------------|
| 1 | Height of Stack from ground level | : 275 m |
| 2 | Diameter of Stack at sampling point | : 7.4 m |
| 3 | Height of the sampling point from ground level | : 80 m |
| 4 | Area of Stack | : 43.03 m ² |

C : ANALYSIS/CHARACTERSTIC OF STACK :

- 1 Fuel used : Coal

2. Fuel consumption:-

D : RESULTS OF SAMPLING & ANALYSIS OF GASEOUS EMISSION :

	UNIT	METHOD	RESULT
1 Temperature of emission	°C	IS:11255 Part-3	123
2 Barometric pressure	mm of Hg	IS:11255 Part-3	742
3 Velocity of gas	m/sec	IS:11255 Part-3	23.06
4 Quantity of gas flow	Nm ³ /hr	IS:11255 Part-3	2563176.8385
5 Concentration of Carbon monoxide	%v/v	IS:13270	<0.2
6 Concentration of Carbon dioxide	%v/v	IS:13270	10.6
7 Concentration of Oxygen	%v/v	IS:13270	8.2
8 Concentration of Sulphur di oxide	mg/Nm ³	IS:11255 Part-2	507.4
9 Concentration of Nitrogen di oxide	mg/Nm ³	IS:11255 Part-7	290.4
10 Concentration of Particulate Matters	mg/Nm ³	IS:11255 Part-1	31.6
11 Moisture content	%v/v	USEPA Part 4	2.6
12 Mercury as Hg (Particulate)	mg/Nm ³	USEPA-29	0.009
13 Mercury as Hg (Gaseous)	mg/Nm ³	USEPA-29	<0.003

E : POLLUTION :

Details of pollution control devices attached with the stack : NIL

End

Report prepared by:

Signature :
Name : Mr. Asim Kumar Jana
Designation : Sr. Office Assistant

Report Verified By

Signature :
Name : Ms. Paulami Dutta
Designation : Sr. Executive QA

Report Sign By Authorized Signatory

Signature :
Name : Dr. Soumyadeep Mukhopadhyay
Designation : Lab In Charge

Mitra S.K.Private Limited

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3, Pagladanga Road,
Kolkata 700015, West Bengal
Tel. : +91 7044036120
Email : udayanlab@mitrask.com
Web : www.mitrask.com

Lab No. MSK/GTN/1907



TC-6950

TEST REPORT

ULR: TC-695022000008811F

Name & Address of the Customer:

Prayagraj Power Generation Company Ltd,
P.O- Lohgara, Tehsil, Bara,
Prayagraj(Allahabad),
Uttarpradesh-212107.

Report No.

:C/2022/8811

Date

:26.11.22

Sample No.

:MSK/KOI/2022/8614

Date of receipt of sample

:18.11.22

Date(s) of performance

:18.11.22-26.11.22

Ref. No. & Date

:9200000102 dt.24.05.21

Discipline

:Chemical

We hereby certify that the following sample drawn by us from the customer has been analyzed with the following results:

1	Group	: Atmospheric Pollution
2	Description of sample	: Stack
3	Date of sampling	: 14.11.22 at 01.30 pm to 02.29 pm
4	Unique Identification	: Equipment Used : MSK/KTN/SMK-01
5	Place of sampling	: UNIT 2 ND (THIMBLE NO. D2988)
6	Sampling Plan & Procedures used	: IS
7	Environmental conditions during sampling & Transport Condition	: (2 - 5) °C Cold chain maintained.
8	Identification of the personnel performing sampling	: Mr. Ramesh Kumar Nishad

Report prepared by:

Signature :
Name : Mr. Asim Kumar Jana
Designation : Sr. Office Assistant

Report Verified By

Signature :
Name : Ms. Paulami Dutta
Designation : Sr. Executive QA

Report Sign By Authorized Signatory

Signature :
Name : Ms. Nandita Das
Designation : Technical Head

- The results relate only to the item(s) tested.
- This Test Report shall not be reproduced except in full, without the permission of Mitra S.K. Private Limited.
- The reserved part of sample(s) for chemical analysis (Non - perishable sample(s) Food, Water) shall be retained for 15 days from the date of issue of the Test Report. Perishable sample(s) shall be retained 2 days from the date of issue of the Test Report.
- The reserved part of sample(s) for chemical analysis (Soil, Solid & Liquid Waste) shall be retained for 15 days as per CPCB guideline & (Air) 1 month from the date of issue of the Test Report.
- The reserved part of sample(s) for Microbiological analysis (Non - perishable sample(s) Food, Sealed Water, Sealed food) shall be retained for 15 days from the date of issue of the Test Report. Perishable sample(s) shall be retained 2 days from the date of issue of the Test Report.

Mitra S.K.Private Limited

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Web : www.mitrask.com



Report No. : C/2022/8811
Sample No. : MSK/KOL/2022/8614

ULR: TC-695022000008811F

ANALYSIS RESULT

A : GENERAL INFORMATION ABOUT STACK :				
1	Stack connected to	:	UNIT 2 ND	
2	Emission due to	:	Burning of Coal	
3	Material of construction of Stack	:	MS	
4	Shape of Stack	:	Circular	
5	Whether Stack is provided with permanent platform	:	Yes	
6	DG Capacity	:	Load-517 MW, Coal Flow-310.5 TPH	
B : PHYSICAL CHARACTERISTICS OF STACK :				
1	Height of Stack from ground level	:	275 m	
2	Diameter of Stack at sampling point	:	7.4 m	
3	Height of the sampling point from ground level	:	80 m	
4	Area of Stack	:	43.03 m ²	
C : ANALYSIS/CHARACTERSTIC OF STACK :				
1	Fuel used	:	Coal	
		2. Fuel consumption:-		
D : RESULTS OF SAMPLING & ANALYSIS OF GASEOUS EMISSION :				
		UNIT	METHOD	RESULT
1	Temperature of emission	°C	IS:11255 Part-3	121
2	Barometric pressure	mm of Hg	IS:11255 Part-3	742
3	Velocity of gas	m/sec	IS:11255 Part-3	24.4
4	Quantity of gas flow	Nm ³ /hr	IS:11255 Part-3	2628738.8
5	Concentration of Carbon monoxide	%v/v	IS:13270	<0.2
6	Concentration of Carbon dioxide	%v/v	IS:13270	8.8
7	Concentration of Oxygen	%v/v	IS:13270	10.5
8	Concentration of Sulphur di oxide	mg/Nm ³	IS:11255 Part-2	553.2
9	Concentration of Nitrogen di oxide	mg/Nm ³	IS:11255 Part-7	314.0
10	Concentration of Particulate Matters	mg/Nm ³	IS:11255 Part-1	22.6
11	Moisture content	%v/v	USEPA Part 4	<2.0
12	Mercury as Hg (Particulate)	mg/Nm ³	USEPA-29	0.007
13	Mercury as Hg (Gaseous)	mg/Nm ³	USEPA-29	<0.003
E : POLLUTION :				
Details of pollution control devices attached with the stack		:	NIL	

End

Report prepared by:

Signature : *Asim*
Name : Mr. Asim Kumar Jana
Designation : Sr. Office Assistant

Report Verified By

Signature : *Paulami*
Name : Ms. Paulami Dutta
Designation : Sr. Executive QA

Report Sign By Authorized Signatory

Signature : *Nandita*
Name : Ms. Nandita Das
Designation : Technical Head

Mitra S.K.Private Limited

Building No. P- 48, Udayan Industrial Estate,
3 Pagladanga Road,
Kolkata 700015, West Bengal
Tel. : +91 7044036120
Email : udayanlab@mitrask.com
Web : www.mitrask.com

File No. MSK/CTN/1907



TEST REPORT

ULR: TC-695022000008812F

Name & Address of the Customer:

Prayagraj Power Generation Company Ltd,
P.O- Lohgara, Tehsil, Bara,
Prayagraj (Allahabad),
Uttarpradesh-212107.

Report No. : C/2022/8812
Date : 26.11.22
Sample No. : MSK/KOL/2022/8615
Date of receipt of sample : 18.11.22
Date(s) of performance : 18.11.22-26.11.22
Ref. No. & Date : 9200000102 dt.24.05.21
Discipline : Chemical

We hereby certify that the following sample drawn by us from the customer has been analyzed with the following results:

1	Group	: Atmospheric Pollution
2	Description of sample	: Stack
3	Date of sampling	: 14.11.22 at 03.30 pm to 04.54 pm
4	Unique Identification	: Equipment Used : MSK/KTN/SMK-01
5	Place of sampling	: UNIT 3 rd (THIMBLE NO. D2977)
6	Sampling Plan & Procedures used	: IS
7	Environmental conditions during sampling & Transport Condition	: (2 - 5) °C Cold chain maintained.
8	Identification of the personnel performing sampling	: Mr. Ramesh Kumar Nishad

Report prepared by:

Signature :
Name : Mr. Asim Kumar Jana
Designation : Sr. Office Assistant

Report Verified By

Signature :
Name : Ms. Paulami Dutta
Designation : Sr. Executive QA

Report Sign By Authorized Signatory

Signature :
Name : Ms. Nandita Das
Designation : Technical Head

- The results relate only to the item(s) tested.
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- The reserved part of sample(s) for chemical analysis (Non - perishable sample(s) Food, Water) shall be retained for 15 days from the date of issue of the Test Report. Perishable sample(s) shall be retained 2 days from the date of issue of the Test Report.
- The reserved part of sample(s) for chemical analysis (Soil, Solid & Liquid Waste) shall be retained for 15 days as per CPCB guideline & (Air) 1 month from the date of issue of the Test Report.
- The reserved part of sample(s) for Microbiological analysis (Non - perishable sample(s) Food, Sealed Water, Sealed food) shall be retained for 15 days from the date of issue of the Test Report. Perishable sample(s) shall be retained 2 days from the date of issue of the Test Report.

Mitra S.K.Private Limited

Building No. P- 48, Udayan Industrial Estate,
3, Pagladanga Road,
Kolkata 700015, West Bengal
Tel. : +91 7044036120
Email : udayanlab@mitrask.com
Web : www.mitrask.com

Doc No: MSK/GEN/19/012



Report No. : C/2022/8812
Sample No. : MSK/KOI/2022/8615

ULR: TC-695022000008812F

ANALYSIS RESULT

A : GENERAL INFORMATION ABOUT STACK :

- | | | |
|---|---|--------------------------------------|
| 1 | Stack connected to | : UNIT 3 rd |
| 2 | Emission due to | : Burning of Coal |
| 3 | Material of construction of Stack | : MS |
| 4 | Shape of Stack | : Circular |
| 5 | Whether Stack is provided with permanent platform | : Yes |
| 6 | DG Capacity | : Load-437.6 MW, Coal Flow-261.9 TPH |

B : PHYSICAL CHARACTERISTICS OF STACK :

- | | | |
|---|--|------------------------|
| 1 | Height of Stack from ground level | : 275 m |
| 2 | Diameter of Stack at sampling point | : 7.4 m |
| 3 | Height of the sampling point from ground level | : 80 m |
| 4 | Area of Stack | : 43.03 m ² |

C : ANALYSIS/CHARACTERSTIC OF STACK :

- 1 Fuel used : Coal

2. Fuel consumption:-

D : RESULTS OF SAMPLING & ANALYSIS OF GASEOUS EMISSION :

	UNIT	METHOD	RESULT
1 Temperature of emission	°C	IS:11255 Part-3	113
2 Barometric pressure	mm of Hg	IS:11255 Part-3	742
3 Velocity of gas	m/sec	IS:11255 Part-3	22.178
4 Quantity of gas flow	Nm ³ /hr	IS:11255 Part-3	2123792.98
5 Concentration of Carbon monoxide	%v/v	IS:13270	<0.2
6 Concentration of Carbon dioxide	%v/v	IS:13270	8.2
7 Concentration of Oxygen	%v/v	IS:13270	10.6
8 Concentration of Sulphur di oxide	mg/Nm ³	IS:11255 Part-2	573.4
9 Concentration of Nitrogen di oxide	mg/Nm ³	IS:11255 Part-7	390.6
10 Concentration of Particulate Matters	mg/Nm ³	IS:11255 Part-1	33.5
11 Moisture content	%v/v	USEPA Part 4	<2.0
12 Mercury as Hg (Particulate)	mg/Nm ³	USEPA-29	0.009
13 Mercury as Hg (Gaseous)	mg/Nm ³	USEPA-29	<0.003

E : POLLUTION :

Details of pollution control devices attached with the stack : NIL

End

Report prepared by:

Signature :
Name : Mr. Asim Kumar Jana
Designation : Sr. Office Assistant

Report Verified By

Signature :
Name : Ms. Paulami Dutta
Designation : Sr. Executive QA

Report Sign By Authorized Signatory

Signature :
Name : Ms. Nandha Das
Designation : Technical Head

Photographs of the pollution control equipment, dust suppression system



ESP installed for particulate emission control



Bag filter installed for particulate emission control



Bag filter installed for particulate emission control



Fogging system at wagon tippler area



Dust suppression system installed at coal yard



Water sprinkling through tankers in ash pond bund

Mitra S. K. Private Limited



Above Punjab National Bank
Maihar Road, NH-7, Kuthla,
Katni – 483501 (M.P.)
CIN: U51909WB1956PTC023037
T : 07622 – 240651, 240919
E : bmdubey@mitrask.co.in
sknigam@mitrask.co.in

TEST REPORT

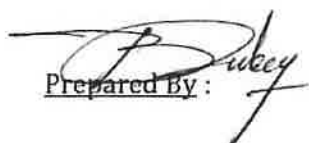
Name & Address of the Customer :
Prayagraj Power Generation Company Ltd.
Vill.: Khan Semra,
Tehsil : Bara,
Dist.: Prayagraj [Pin- 212107]
Uttar Pradesh.

Report No. : MSK/KTN/2023-24/APW/0008
Date : 03/04/2023
Sample No. : MSKGL/ED/2022-23/03/01102
Date Of Sample : 20/03/2023
Sample Description : Ash Pond Water
Sample Mark : Ash Dyke

Ref. No. & Date : 9200000102, Dt -24/05/2021.

ANALYSIS RESULT

SL. No.	Parameter	UOM	Result	Method
1.	Oil and Grease	mg/l	<5.0	APHA (23rd Edition) 5520B 2017
2.	Total Suspended Solid (as TSS)	mg/l	14	APHA(23rd Edition)2540D
3.	pH value	None	7.87 at 25 deg C	APHA(23rd Edition) 4500-H-B


Prepared By :

For Mitra S. K. Private Limited


Authorised Signatory

Mitra S. K. Private Limited



Above Punjab National Bank
Maihar Road, NH-7, Kuthla,
Katni – 483501 (M.P.)
CIN: U51909WB1956PTC023037
T : 07622 – 240651, 240919
E : bmdubey@mitrask.co.in
sknigam@mitrask.co.in

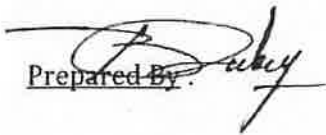
TEST REPORT

Name & Address of the Customer :
Prayagraj Power Generation Company Ltd.
Vill.: Khan Semra,
Tehsil : Bara,
Dist: Prayagraj [Pin- 212107]
Uttar Pradesh.

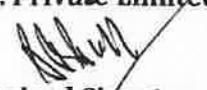
Report No. : MSK/KTN/2023-24/APW/0008
Date : 03/04/2023
Sample No. : MSKGL/ED/2022-23/03/01102
Date Of Sample : 20/03/2023
Sample Description : Ash Pond Water
Sample Mark : Ash Dyke

Ref. No. & Date : 9200000102, Dt -24/05/2021.

Sl. No.	Parameter	UOM	Result	Method
1.	Copper (as Cu)	mg/l	<0.02	APHA (23rd Edition)3120B 2017 (ICP OES)
2.	Lead (as Pb)	mg/l	<0.005	APHA (23rd Edition)3120B 2017
3.	Mercury (as Hg)	mg/l	<0.001	IS 3025(Part 48)-1994; Rffm:2014
4.	Nickel (as Ni)	mg/l	<0.02	APHA (23rd Edition)3120B 2017
5.	Arsenic(as As)	mg/l	<0.005	APHA (23rd Edition)3120B 2017 (ICP OES)

Prepared By: 

For Mitra S. K. Private Limited


Authorised Signatory

Mitra S. K. Private Limited



Above Punjab National Bank
 Maihar Road, NH-7, Kuthla,
 Katni – 483501 (M.P.)
 CIN: U51909WB1956PTC023037
 T : 07622 – 240651, 240919
 E : bmdubey@mitrask.co.in
sknigam@mitrask.co.in

TEST REPORT

Name & Address of the Customer :
Prayagraj Power Generation Company Ltd.
Vill.: Khan Semra,
Tehsil : Bara,
Dist.: Prayagraj [Pin- 212107]
Uttar Pradesh.

Report No. : MSK/KTN/2023-24/GDW/0003
Date : 02/04/2023
Sample No. : MSKGL/ED/2022-23/03/01843
Date Of Sample : 20/03/2023
Sample Description : Ground Drinking Water
Sample Mark : HP-3 JORVAT VILLAGE

Ref. No. & Date : 9200000102, Dt -24/05/2021.

ANALYSIS RESULT

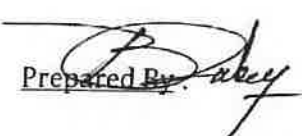
Sl. No.	Parameter	Result	DESIRABLE LIMIT	PERMISSIBLE LIMIT	UOM	METHOD
01.	Alkalinity (as CaCO ₃)	207	200	600	mg/l	APHA (23rd Edition) 2320B 2017
02.	Aluminium (as Al)	<0.01	0.03	0.2	mg/l	APHA (23rd Edition) 3120B 2017 (ICP OES)
03.	Anionic Detergents (as MBAS)	<0.02	0.2	1.0	mg/l	APHA (23rd Edition) 5540 C, 2017
04.	Arsenic (as As)	<0.005	0.01	0.05	mg/l	APHA (23rd Edition) 3120B 2017 (ICP OES)
05.	Barium (as Ba)	<0.05	0.7	No Relaxation	mg/l	APHA (23rd Edition) 3120B 2017 (ICP OES)
06.	Boron (as B)	<0.5	0.5	1.0	mg/l	APHA (23rd Edition) 3120B 2017 (ICP OES)
07.	Cadmium (as Cd)	<0.001	0.003	No Relaxation	mg/l	APHA (23rd Edition) 3120B 2017
08.	Calcium (as Ca)	91	75	200	mg/l	APHA (23rd Edition) 3500 Ca B, 2017
09.	Chloride (as Cl)	176	250	1000	mg/l	APHA (23rd Edition) 4500-Cl B 2017
10.	Copper (as Cu)	<0.02	0.05	1.5	mg/l	APHA (23rd Edition) 3120B 2017 (ICP OES)
11.	Cyanide (as CN)	<0.01	0.05	No Relaxation	mg/l	APHA (23rd Edition) 4500 CN- F 2017
12.	Fluoride (as F)	0.82	1.0	1.5	mg/l	APHA (23rd Edition) 4500 - F C/D, 2017
13.	Free Residual Chlorine	<0.01	0.2	1.0	mg/l	IS 3025 (Part 26)-1986 Rffm:2014
14.	Hexavalent Chromium (as Cr+6)	<0.01			mg/l	APHA 23rd Edtn-2017, 3500 Cr B
15.	Iron (as Fe)	0.29	0.3	No Relaxation	mg/l	APHA (23rd Edition) 3500 Fe B 2017
16.	Lead (as Pb)	<0.005	0.01	No Relaxation	mg/l	APHA (23rd Edition) 3120B 2017
17.	Magnesium (as Mg)	21	30	100	mg/l	APHA (23rd Edition) 3500 Mg B, 2017
18.	Manganese (as Mn)	<0.02	0.1	0.3	mg/l	APHA (23rd Edition) 3120B 2017 (ICP OES)
19.	Mercury (as Hg)	<0.001	0.001	No Relaxation	mg/l	IS 3025 (Part 48)-1994; Rffm:2014
20.	Molybdenum (as Mo)	<0.05	0.07	No Relaxation	mg/l	APHA (23rd Edition) 3120B 2017
21.	Nickel (as Ni)	<0.02	0.02	No Relaxation	mg/l	APHA (23rd Edition) 3120B 2017
22.	Nitrate (as NO ₃)	19	45	No Relaxation	mg/l	APHA (23rd Edition) 4500- NO ₃ -E, 2017

Mitra S. K. Private Limited



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SL. No.	Parameter	Result	DESIRABLE LIMIT	PERMISSIBLE LIMIT	UOM	METHOD
23	Phenolic Compounds (as C ₆ H ₅ OH)	<0.001	0.001	0.002	mg/l	APHA (23rd Edition) 5530C 2017 (Chloroform Extraction)
24.	Selenium (as Se)	<0.005	0.01	No Relaxation	mg/l	APHA (23rd Edition) 3120B 2017
25.	Sulphate (as SO ₄)	171	200	400	mg/l	APHA (23rd Edition) 4500-SO ₄ E 2017
26.	Total Hardness (as CaCO ₃)	297	200	600	mg/l	APHA (23rd Edition) 2340 C 2017
27.	Zinc (as Zn)	<0.02	5	15	mg/l	APHA (23rd Edition) 3120B 2017
28.	E.coli	Not Detected		NA	/100ml	IS 1622 : 1981 (RA 2019)
29.	Total coliform bacteria	28		NA	MPN/100 ml	IS 1622 : 1981 (RA 2019)
30.	Colour	<1.0	5	15	Hazen	APHA (23rd Edition) 2120B 2017
31.	Odour	Agreeable	Agreeable	Agreeable	None	APHA (23rd Edition) 2150B
32.	Taste	Not Done			None	IS 3025 (Part 8)-1983 Rffm:2012
33.	Total Dissolved Solids (as TDS)	645	500	2000	mg/l	APHA (23rd Edition) 2540C
34.	Turbidity	7	1	5	N.T.U.	APHA (23rd Edition) 2130B
35.	pH	7.52 at 25 deg C	6.5-8.5	No Relaxation	None	APHA (23rd Edition) 4500-H-B

Prepared By: 

For Mitra S. K. Private Limited


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TEST REPORT

Name & Address of the Customer :
Prayagraj Power Generation Company Ltd.
Vill.: Khan Semra,
Tehsil : Bara,
Dist.: Prayagraj [Pin- 212107]
Uttar Pradesh.

Report No. : MSK/KTN/2023-24/GDW/0002
Date : 02/04/2023
Sample No. : MSKGL/ED/2022-23/03/01842
Date Of Sample : 20/03/2023
Sample Description : Ground Drinking Water
Sample Mark : HP-2, Kapari Panchayat Bhawan

Ref. No. & Date : 9200000102, Dt -24/05/2021.

ANALYSIS RESULT

Sl. No.	Parameter	Result	DESIRABLE LIMIT	PERMISSIBLE LIMIT	UOM	METHOD
01.	Alkalinity (as CaCO ₃)	167	200	600	mg/l	APHA (23rd Edition) 2320B 2017
02.	Aluminium (as Al)	<0.01	0.03	0.2	mg/l	APHA (23rd Edition) 3120B 2017 (ICP OES)
03.	Anionic Detergents (as MBAS)	<0.02	0.2	1.0	mg/l	APHA (23rd Edition) 5540 C, 2017
04.	Arsenic (as As)	<0.005	0.01	0.05	mg/l	APHA (23rd Edition) 3120B 2017 (ICP OES)
05.	Barium (as Ba)	<0.05	0.7	No Relaxation	mg/l	APHA (23rd Edition) 3120B 2017 (ICP OES)
06.	Boron (as B)	<0.5	0.5	1.0	mg/l	APHA (23rd Edition) 3120B 2017 (ICP OES)
07.	Cadmium (as Cd)	<0.001	0.003	No Relaxation	mg/l	APHA (23rd Edition) 3120B 2017
08.	Calcium (as Ca)	45	75	200	mg/l	APHA (23rd Edition) 3500 Ca B, 2017
09.	Chloride (as Cl)	79	250	1000	mg/l	APHA (23rd Edition) 4500-Cl B 2017
10.	Copper (as Cu)	<0.02	0.05	1.5	mg/l	APHA (23rd Edition) 3120B 2017 (ICP OES)
11.	Cyanide (as CN)	<0.01	0.05	No Relaxation	mg/l	APHA (23rd Edition) 4500 CN- F 2017
12.	Fluoride (as F)	0.22	1.0	1.5	mg/l	APHA (23rd Edition) 4500 - F C/D, 2017
13.	Free Residual Chlorine	<0.01	0.2	1.0	mg/l	IS 3025 (Part 26)-1986 Rffm:2014
14.	Hexavalent Chromium (as Cr+6)	<0.01			mg/l	APHA 23rd Edtn-2017, 3500 Cr B
15.	Iron (as Fe)	0.29	0.3	No Relaxation	mg/l	APHA (23rd Edition) 3500 Fe B 2017
16.	Lead (as Pb)	<0.005	0.01	No Relaxation	mg/l	APHA (23rd Edition) 3120B 2017
17.	Magnesium (as Mg)	23	30	100	mg/l	APHA (23rd Edition) 3500 Mg B, 2017
18.	Manganese (as Mn)	<0.02	0.1	0.3	mg/l	APHA (23rd Edition) 3120B 2017 (ICP OES)
19.	Mercury (as Hg)	<0.001	0.001	No Relaxation	mg/l	IS 3025 (Part 48)-1994; Rffm:2014
20.	Molybdenum (as Mo)	<0.05	0.07	No Relaxation	mg/l	APHA (23rd Edition) 3120B 2017
21.	Nickel (as Ni)	<0.02	0.02	No Relaxation	mg/l	APHA (23rd Edition) 3120B 2017
22.	Nitrate (as NO ₃)	27	45	No Relaxation	mg/l	APHA (23rd Edition) 4500- NO ₃ -E, 2017

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Sl. No.	Parameter	Result	DESIRABLE LIMIT	PERMISSIBLE LIMIT	UOM	METHOD
23.	Phenolic Compounds (as C ₆ H ₅ OH)	<0.001	0.001	0.002	mg/l	APHA (23rd Edition) 5530C 2017 (Chloroform Extraction)
24.	Selenium (as Se)	<0.005	0.01	No Relaxation	mg/l	APHA (23rd Edition) 3120B 2017
25.	Sulphate (as SO ₄)	44	200	400	mg/l	APHA (23rd Edition) 4500-SO ₄ E 2017
26.	Total Hardness (as CaCO ₃)	134	200	600	mg/l	APHA (23rd Edition) 2340 C 2017
27.	Zinc (as Zn)	<0.02	5	15	mg/l	APHA (23rd Edition) 3120B 2017
28.	E.coli	Not Detected		NA	/100ml	IS 1622 : 1981 (RA 2019)
29.	Total coliform bacteria	22		NA	MPN/100 ml	IS 1622 : 1981 (RA 2019)
30.	Colour	<1.0	5	15	Hazen	APHA (23rd Edition) 2120B 2017
31.	Odour	Agreeable	Agreeable	Agreeable	None	APHA (23rd Edition) 2150B
32.	Taste	Not Done			None	IS 3025 (Part 8)-1983 Rffm:2012
33.	Total Dissolved Solids (as TDS)	298	500	2000	mg/l	APHA (23rd Edition) 2540C
34.	Turbidity	<1.0	1	5	N.T.U.	APHA (23rd Edition) 2130B
35.	pH	7.21 at 25 deg C	6.5-8.5	No Relaxation	None	APHA (23rd Edition) 4500-H-B

Prepared By:

For Mitra S. K. Private Limited

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TEST REPORT

Name & Address of the Customer :
Prayagraj Power Generation Company Ltd.
Vill.: Khan Semra,
Tehsil : Bara,
Dist.: Prayagraj [Pin- 212107]
Uttar Pradesh.

Report No. : MSK/KTN/2022-23/GDW/127
Date : 27/02/2023
Sample No. : MSKGL/ED/2022-23/02/01813
Date Of Sample : 10/02/2023
Sample Description : Ground Drinking Water
Sample Mark : HP-2, Kapari Panchayat Bhawan

Ref. No. & Date : 9200000102, Dt -24/05/2021.

ANALYSIS RESULT

SL. No.	Parameter	Result	DESIRABLE LIMIT	PERMISSIBLE LIMIT	UOM	METHOD
01.	Alkalinity (as CaCO ₃)	143	200	600	mg/l	APHA (23rd Edition) 2320B 2017
02.	Aluminium (as Al)	<0.01	0.03	0.2	mg/l	APHA (23rd Edition) 3120B 2017 (ICP OES)
03.	Anionic Detergents (as MBAS)	<0.02	0.2	1.0	mg/l	APHA (23rd Edition) 5540 C, 2017
04.	Arsenic (as As)	<0.005	0.01	0.05	mg/l	APHA (23rd Edition) 3120B 2017 (ICP OES)
05.	Barium (as Ba)	<0.05	0.7	No Relaxation	mg/l	APHA (23rd Edition) 3120B 2017 (ICP OES)
06.	Boron (as B)	<0.5	0.5	1.0	mg/l	APHA (23rd Edition) 3120B 2017 (ICP OES)
07.	Cadmium (as Cd)	<0.001	0.003	No Relaxation	mg/l	APHA (23rd Edition) 3120B 2017
08.	Calcium (as Ca)	39	75	200	mg/l	APHA (23rd Edition) 3500 Ca B, 2017
09.	Chloride (as Cl)	62	250	1000	mg/l	APHA (23rd Edition) 4500-Cl B 2017
10.	Copper (as Cu)	<0.02	0.05	1.5	mg/l	APHA (23rd Edition) 3120B 2017 (ICP OES)
11.	Cyanide (as CN)	<0.01	0.05	No Relaxation	mg/l	APHA (23rd Edition) 4500 CN- F 2017
12.	Fluoride (as F)	0.32	1.0	1.5	mg/l	APHA (23rd Edition) 4500 - F C/D, 2017
13.	Free Residual Chlorine	<0.01	0.2	1.0	mg/l	IS 3025 (Part 26)-1986 Rffm:2014
14.	Hexavalent Chromium (as Cr+6)	<0.01			mg/l	APHA 23rd Edtn-2017, 3500 Cr B
15.	Iron (as Fe)	0.26	0.3	No Relaxation	mg/l	APHA (23rd Edition) 3500 Fe B 2017
16.	Lead (as Pb)	<0.005	0.01	No Relaxation	mg/l	APHA (23rd Edition) 3120B 2017
17.	Magnesium (as Mg)	14	30	100	mg/l	APHA (23rd Edition) 3500 Mg B, 2017
18.	Manganese (as Mn)	<0.02	0.1	0.3	mg/l	APHA (23rd Edition) 3120B 2017 (ICP OES)
19.	Mercury (as Hg)	<0.001	0.001	No Relaxation	mg/l	IS 3025(Part 48)-1994; Rffm:2014
20.	Molybdenum (as Mo)	<0.05	0.07	No Relaxation	mg/l	APHA (23rd Edition) 3120B 2017
21.	Nickel (as Ni)	<0.02	0.02	No Relaxation	mg/l	APHA (23rd Edition) 3120B 2017
22.	Nitrate (as NO ₃)	31	45	No Relaxation	mg/l	APHA (23rd Edition) 4500- NO ₃ -E, 2017

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SL. No.	Parameter	Result	DESIRABLE LIMIT	PERMISSIBLE LIMIT	UOM	METHOD
23	Phenolic Compounds (as C ₆ H ₅ OH)	<0.001	0.001	0.002	mg/l	APHA (23rd Edition) 5530C 2017 (Chloroform Extraction)
24	Selenium (as Se)	<0.005	0.01	No Relaxation	mg/l	APHA (23rd Edition) 3120B 2017
25	Sulphate (as SO ₄)	47	200	400	mg/l	APHA (23rd Edition) 4500-SO ₄ E 2017
26	Total Hardness (as CaCO ₃)	119	200	600	mg/l	APHA (23rd Edition) 2340 C 2017
27	Zinc (as Zn)	<0.02	5	15	mg/l	APHA (23rd Edition) 3120B 2017
28	E.coli	Not Detected		NA	/100ml	IS 1622 : 1981 (RA 2019)
29	Total coliform bacteria	17		NA	MPN/100 ml	IS 1622 : 1981 (RA 2019)
30	Colour	<1.0	5	15	Hazen	APHA (23rd Edition) 2120B 2017
31	Odour	Agreeable	Agreeable	Agreeable	None	APHA (23rd Edition) 2150B
32	Taste	Not Done			None	IS 3025 (Part 8)-1983 Rffm:2012
33	Total Dissolved Solids (as TDS)	276	500	2000	mg/l	APHA (23rd Edition) 2540C
34	Turbidity	<1.0	1	5	N.T.U.	APHA (23rd Edition) 2130B
35	pH	7.09 at 25 deg C	6.5-8.5	No Relaxation	None	APHA (23rd Edition) 4500-H-B

Prepared By:

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TEST REPORT

Name & Address of the Customer :
Prayagraj Power Generation Company Ltd.
Vill.: Khan Semra,
Tehsil : Bara,
Dist.: Prayagraj [Pin- 212107]
Uttar Pradesh.

Report No. : MSK/KTN/2022-23/GDW/116
Date : 30/01/2023
Sample No. : MSKGL/ED/2022-23/01/01370
Date Of Sample : 14/01/2023
Sample Description : Ground Drinking Water
Sample Mark : HP-2, Kapari Panchayat Bhawan

Ref. No. & Date : 9200000102, Dt.-24/05/2021.

ANALYSIS RESULT

SL. No.	Parameter	Result	DESIRABLE LIMIT	PERMISSIBLE LIMIT	UOM	METHOD
01.	Alkalinity (as CaCO ₃)	110	200	600	mg/l	APHA (23rd Edition) 2320B 2017
02.	Aluminium (as Al)	<0.01	0.03	0.2	mg/l	APHA (23rd Edition) 3120B 2017 (ICP OES)
03.	Anionic Detergents (as MBAS)	<0.02	0.2	1.0	mg/l	APHA (23rd Edition) 5540 C, 2017
04.	Arsenic (as As)	<0.005	0.01	0.05	mg/l	APHA (23rd Edition) 3120B 2017 (ICP OES)
05.	Barium (as Ba)	<0.05	0.7	No Relaxation	mg/l	APHA (23rd Edition) 3120B 2017 (ICP OES)
06.	Boron (as B)	<0.5	0.5	1.0	mg/l	APHA (23rd Edition) 3120B 2017 (ICP OES)
07.	Cadmium (as Cd)	<0.001	0.003	No Relaxation	mg/l	APHA (23rd Edition) 3120B 2017
08.	Calcium (as Ca)	32	75	200	mg/l	APHA (23rd Edition) 3500 Ca B, 2017
09.	Chloride (as Cl)	58	250	1000	mg/l	APHA (23rd Edition) 4500-Cl B 2017
10.	Copper (as Cu)	<0.02	0.05	1.5	mg/l	APHA (23rd Edition) 3120B 2017 (ICP OES)
11.	Cyanide (as CN)	<0.01	0.05	No Relaxation	mg/l	APHA (23rd Edition) 4500 CN- F 2017
12.	Fluoride (as F)	0.23	1.0	1.5	mg/l	APHA (23rd Edition) 4500 - F C/D, 2017
13.	Free Residual Chlorine	<0.01	0.2	1.0	mg/l	IS 3025 (Part 26)-1986 Rffm:2014
14.	Hexavalent Chromium (as Cr+6)	<0.01			mg/l	APHA 23rd Edtn-2017, 3500 Cr B
15.	Iron (as Fe)	0.18	0.3	No Relaxation	mg/l	APHA (23rd Edition) 3500 Fe B 2017
16.	Lead (as Pb)	<0.005	0.01	No Relaxation	mg/l	APHA (23rd Edition) 3120B 2017
17.	Magnesium (as Mg)	5.9	30	100	mg/l	APHA (23rd Edition) 3500 Mg B, 2017
18.	Manganese (as Mn)	<0.02	0.1	0.3	mg/l	APHA (23rd Edition) 3120B 2017 (ICP OES)
19.	Mercury (as Hg)	<0.001	0.001	No Relaxation	mg/l	IS 3025 (Part 48)-1994; Rffm:2014
20.	Molybdenum (as Mo)	<0.05	0.07	No Relaxation	mg/l	APHA (23rd Edition) 3120B 2017
21.	Nickel (as Ni)	<0.02	0.02	No Relaxation	mg/l	APHA (23rd Edition) 3120B 2017
22.	Nitrate (as NO ₃)	21	45	No Relaxation	mg/l	APHA (23rd Edition) 4500- NO ₃ -E, 2017

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sknigam@mitrask.co.in

SL. No.	Parameter	Result	DESIRABLE LIMIT	PERMISSIBLE LIMIT	UOM	METHOD
23.	Phenolic Compounds (as C ₆ H ₅ OH)	<0.001	0.001	0.002	mg/l	APHA (23rd Edition)5530C 2017 (Chloroform Extraction)
24.	Selenium (as Se)	<0.005	0.01	No Relaxation	mg/l	APHA (23rd Edition)3120B 2017
25.	Sulphate (as SO ₄)	7.8	200	400	mg/l	APHA (23rd Edition) 4500-SO ₄ E 2017
26.	Total Hardness (as CaCO ₃)	102	200	600	mg/l	APHA (23rd Edition) 2340 C 2017
27.	Zinc (as Zn)	<0.02	5	15	mg/l	APHA (23rd Edition)3120B 2017
28.	E.coli	Not Detected		NA	/100ml	IS 1622 : 1981 (RA 2019)
29.	Total coliform bacteria	12		NA	MPN/100 ml	IS 1622 : 1981 (RA 2019)
30.	Colour	<1.0	5	15	Hazen	APHA (23rd Edition) 2120B 2017
31.	Odour	Agreeable	Agreeable	Agreeable	None	APHA(23rd Edition)2150B
32.	Taste	Not Done			None	IS 3025 (Part 8)-1983 Rffm:2012
33.	Total Dissolved Solids (as TDS)	202	500	2000	mg/l	APHA (23rd Edition) 2540C
34.	Turbidity	<1.0	1	5	N.T.U.	APHA (23rd Edition) 2130B
35.	pH	6.98 at 25 deg C	6.5-8.5	No Relaxation	None	APHA(23rd Edition) 4500-H-B

Prepared By:

For Mitra S. K. Private Limited

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sknigam@mitrask.co.in

TEST REPORT

Name & Address of the Customer :
Prayagraj Power Generation Company Ltd.
Vill.: Khan Semra,
Tehsil : Bara,
Dist.: Prayagraj [Pin- 212107]
Uttar Pradesh.

Report No. : MSK/KTN/2022-23/GDW/106
Date : 28/12/2022
Sample No. : MSKGL/ED/2022-23/12/02059
Date Of Sample : 12/12/2022
Sample Description : Ground Drinking Water
Sample Mark : HP-2 KAPARI PANCHAYAT BHAWAN

Ref. No. & Date : 9200000102, Dt-24/05/2021.

ANALYSIS RESULT

SL. No.	Parameter	Result	DESIRABLE LIMIT	PERMISSIBLE LIMIT	UOM	METHOD
01.	Alkalinity (as CaCO ₃)	198	200	600	mg/l	APHA (23rd Edition) 2320B 2017
02.	Aluminium (as Al)	<0.01	0.03	0.2	mg/l	APHA (23rd Edition) 3120B 2017 (ICP OES)
03.	Anionic Detergents (as MBAS)	<0.02	0.2	1.0	mg/l	APHA (23rd Edition) 5540 C, 2017
04.	Arsenic (as As)	<0.005	0.01	0.05	mg/l	APHA (23rd Edition) 3120B 2017 (ICP OES)
05.	Barium (as Ba)	<0.05	0.7	No Relaxation	mg/l	APHA (23rd Edition) 3120B 2017 (ICP OES)
06.	Boron (as B)	<0.5	0.5	1.0	mg/l	APHA (23rd Edition) 3120B 2017 (ICP OES)
07.	Cadmium (as Cd)	<0.001	0.003	No Relaxation	mg/l	APHA (23rd Edition) 3120B 2017
08.	Calcium (as Ca)	73	75	200	mg/l	APHA (23rd Edition) 3500 Ca B, 2017
09.	Chloride (as Cl)	178	250	1000	mg/l	APHA (23rd Edition) 4500-Cl B 2017
10.	Colour	<5.0	5	15	Hazen	APHA (23rd Edition) 2120B 2017
11.	Copper (as Cu)	<0.02	0.05	1.5	mg/l	APHA (23rd Edition) 3120B 2017 (ICP OES)
12.	Cyanide (as CN)	<0.02	0.05	No Relaxation	mg/l	APHA (23rd Edition) 4500 CN- F 2017
13.	Fluoride (as F)	0.54	1.0	1.5	mg/l	APHA (23rd Edition) 4500 - F C/D, 2017
14.	Free Residual Chlorine	<0.1	0.2	1.0	mg/l	IS 3025 (Part 26)-1986 Rffm:2014
15.	Hexavalent Chromium (as Cr+6)	<0.01			mg/l	APHA 23rd Edtn-2017, 3500 Cr B
16.	Iron (as Fe)	0.21	0.3	No Relaxation	mg/l	APHA (23rd Edition) 3500 Fe B 2017
17.	Lead (as Pb)	<0.005	0.01	No Relaxation	mg/l	APHA (23rd Edition) 3120B 2017
18.	Magnesium (as Mg)	23	30	100	mg/l	APHA (23rd Edition) 3500 Mg B, 2017
19.	Manganese (as Mn)	<0.02	0.1	0.3	mg/l	APHA (23rd Edition) 3120B 2017 (ICP OES)
20.	Mercury (as Hg)	<0.001	0.001	No Relaxation	mg/l	IS 3025 (Part 48)-1994; Rffm:2014
21.	Molybdenum (as Mo)	<0.05	0.07	No Relaxation	mg/l	APHA (23rd Edition) 3120B 2017
22.	Nickel (as Ni)	<0.02	0.02	No Relaxation	mg/l	APHA (23rd Edition) 3120B 2017
23.	Nitrate (as NO ₃)	16	45	No Relaxation	mg/l	APHA (23rd Edition) 4500- NO ₃ -E, 2017

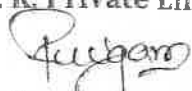
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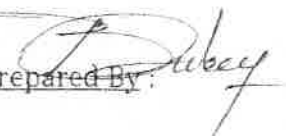


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SL. No.	Parameter	Result	DESIRABLE LIMIT	PERMISSIBLE LIMIT	UOM	METHOD
24.	Odour	Agreeable	Agreeable	Agreeable	None	APHA(23rd Edition)2150B
25.	Phenolic Compounds (as C ₆ H ₅ OH)	<0.001	0.001	0.002	mg/l	APHA (23rd Edition)5530C 2017 (Chloroform Extraction)
26.	Selenium (as Se)	<0.005	0.01	No Relaxation	mg/l	APHA (23rd Edition)3120B 2017
27.	Sulphate (as SO ₄)	198	200	400	mg/l	APHA (23rd Edition) 4500-SO ₄ E 2017
28.	Taste	Not Done			None	IS 3025 (Part 8)-1983 Rffm:2012
29.	Total Dissolved Solids (as TDS)	396	500	2000	mg/l	APHA (23rd Edition) 2540C
	Total Hardness (as CaCO ₃)	171	200	600	mg/l	APHA (23rd Edition) 2340 C 2017
31.	Turbidity	7	1	5	N.T.U.	APHA (23rd Edition) 2130B
32.	Zinc (as Zn)	<0.02	5	15	mg/l	APHA (23rd Edition)3120B 2017
33.	pH	7.45 at 25 deg C	6.5-8.5	No Relaxation	None	APHA(23rd Edition) 4500-H-B
34.	E.coli	Not Detected		NA	/100ml	IS 1622 : 1981 (RA 2019)
35.	Total coliform bacteria	<1.8		NA	MPN/100ml	IS 1622 : 1981 (RA 2019)

For Mitra S. K. Private Limited


Authorised Signatory

Prepared By: 

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TEST REPORT

Name & Address of the Customer :
Prayagraj Power Generation Company Ltd.
Vill.: Khan Semra,
Tehsil : Bara,
Dist.: Prayagraj [Pin- 212107]
Uttar Pradesh.

Report No. : MSK/KTN/2022-23/GDW/090
Date : 02/12/2022
Sample No. : MSKGL/ED/2022-23/11/00918
Date Of Sample : 17/11/2022
Sample Description : Ground Drinking Water
Sample Mark : HP-6 JORVAT VILLAGE

Ref. No. & Date : 9200000102, Dt -24/05/2021.

ANALYSIS RESULT

SL. No.	Parameter	Result	DESIRABLE LIMIT	PERMISSIBLE LIMIT	UOM	METHOD
01.	Alkalinity (as CaCO ₃)	225	200	600	mg/l	APHA (23rd Edition) 2320B 2017
02.	Aluminium (as Al)	<0.01	0.03	0.2	mg/l	APHA (23rd Edition) 3120B 2017 (ICP OES)
03.	Anionic Detergents (as MBAS)	<0.02	0.2	1.0	mg/l	APHA (23rd Edition) 5540 C, 2017
04.	Arsenic (as As)	<0.005	0.01	0.05	mg/l	APHA (23rd Edition) 3120B 2017 (ICP OES)
05.	Barium (as Ba)	<0.05	0.7	No Relaxation	mg/l	APHA (23rd Edition) 3120B 2017 (ICP OES)
06.	Boron (as B)	<0.5	0.5	1.0	mg/l	APHA (23rd Edition) 3120B 2017 (ICP OES)
07.	Cadmium (as Cd)	<0.001	0.003	No Relaxation	mg/l	APHA (23rd Edition) 3120B 2017
08.	Calcium (as Ca)	56	75	200	mg/l	APHA (23rd Edition) 3500 Ca B, 2017
09.	Chloride (as Cl)	96	250	1000	mg/l	APHA (23rd Edition) 4500-Cl B 2017
10.	Colour	<5.0	5	15	Hazen	APHA (23rd Edition) 2120B 2017
11.	Copper (as Cu)	<0.02	0.05	1.5	mg/l	APHA (23rd Edition) 3120B 2017 (ICP OES)
12.	Cyanide (as CN)	<0.02	0.05	No Relaxation	mg/l	APHA (23rd Edition) 4500 CN- F 2017
13.	Fluoride (as F)	0.29	1.0	1.5	mg/l	APHA (23rd Edition) 4500 - F C/D, 2017
14.	Free Residual Chlorine	<0.1	0.2	1.0	mg/l	IS 3025 (Part 26)-1986 Rffm:2014
15.	Hexavalent Chromium (as Cr+6)	<0.01			mg/l	APHA 23rd Edtn-2017, 3500 Cr B
16.	Iron (as Fe)	0.24	0.3	No Relaxation	mg/l	APHA (23rd Edition) 3500 Fe B 2017
17.	Lead (as Pb)	<0.005	0.01	No Relaxation	mg/l	APHA (23rd Edition) 3120B 2017
18.	Magnesium (as Mg)	30	30	100	mg/l	APHA (23rd Edition) 3500 Mg B, 2017
19.	Manganese (as Mn)	<0.02	0.1	0.3	mg/l	APHA (23rd Edition) 3120B 2017 (ICP OES)
20.	Mercury (as Hg)	<0.001	0.001	No Relaxation	mg/l	IS 3025 (Part 48)-1994, Rffm:2014
21.	Molybdenum (as Mo)	<0.05	0.07	No Relaxation	mg/l	APHA (23rd Edition) 3120B 2017
22.	Nickel (as Ni)	<0.02	0.02	No Relaxation	mg/l	APHA (23rd Edition) 3120B 2017
23.	Nitrate (as NO ₃)	43	45	No Relaxation	mg/l	APHA (23rd Edition) 4500- NO3-E, 2017

Mitra S. K. Private Limited



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SL. No.	Parameter	Result	DESIRABLE LIMIT	PERMISSIBLE LIMIT	UOM	METHOD
24.	Odour	Agreeable	Agreeable	Agreeable	None	APHA(23rd Edition)2150B
25.	Phenolic Compounds (as C ₆ H ₅ OH)	<0.001	0.001	0.002	mg/l	APHA (23rd Edition)5530C 2017 (Chloroform Extraction)
26.	Selenium (as Se)	<0.005	0.01	No Relaxation	mg/l	APHA (23rd Edition)3120B 2017
27.	Sulphate (as SO ₄)	50	200	400	mg/l	APHA (23rd Edition) 4500-SO ₄ E 2017
28.	Taste	Not Done			None	IS 3025 (Part 8)-1983 Rffm:2012
29.	Total Dissolved Solids (as TDS)	530	500	2000	mg/l	APHA (23rd Edition) 2540C
	Total Hardness (as CaCO ₃)	265	200	600	mg/l	APHA (23rd Edition) 2340 C 2017
31.	Turbidity	15	1	5	N.T.U.	APHA (23rd Edition) 2130B
32.	Zinc (as Zn)	<0.02	5	15	mg/l	APHA (23rd Edition)3120B 2017
33.	pH	7.09 at 25 deg C	6.5-8.5	No Relaxation	None	APHA(23rd Edition) 4500-H-B
34.	E.coli	Not Detected		NA	/100ml	IS 1622 : 1981 (RA 2019)
35.	Total coliform bacteria	22		NA	MPN/100ml	IS 1622 : 1981 (RA 2019)

Prepared By: 

For Mitra S. K. Private Limited


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TEST REPORT

Name & Address of the Customer :
Prayagraj Power Generation Company Ltd.
Vill.: Khan Semra,
Tehsil : Bara,
Dist: Prayagraj [Pin- 212107]
Uttar Pradesh.

Report No. : MSK/KTN/2022-23/GDW/086
Date : 02/12/2022
Sample No. : MSKGL/ED/2022-23/11/00914
Date Of Sample : 17/11/2022
Sample Description : Ground Drinking Water
Sample Mark : HP-2 KAPARI PANCHAYAT BHAWAN

Ref. No. & Date : 9200000102, Dt-24/05/2021.

ANALYSIS RESULT

SL. No.	Parameter	Result	DESIRABLE LIMIT	PERMISSIBLE LIMIT	UOM	METHOD
01.	Alkalinity (as CaCO ₃)	250	200	600	mg/l	APHA (23rd Edition) 2320B 2017
02.	Aluminium (as Al)	<0.01	0.03	0.2	mg/l	APHA (23rd Edition) 3120B 2017 (ICP OES)
03.	Anionic Detergents (as MBAS)	<0.02	0.2	1.0	mg/l	APHA (23rd Edition) 5540 C, 2017
04.	Arsenic (as As)	<0.005	0.01	0.05	mg/l	APHA (23rd Edition) 3120B 2017 (ICP OES)
05.	Barium (as Ba)	<0.05	0.7	No Relaxation	mg/l	APHA (23rd Edition) 3120B 2017 (ICP OES)
06.	Boron (as B)	<0.5	0.5	1.0	mg/l	APHA (23rd Edition) 3120B 2017 (ICP OES)
07.	Cadmium (as Cd)	<0.001	0.003	No Relaxation	mg/l	APHA (23rd Edition) 3120B 2017
08.	Calcium (as Ca)	118	75	200	mg/l	APHA (23rd Edition) 3500 Ca B, 2017
09.	Chloride (as Cl)	125	250	1000	mg/l	APHA (23rd Edition) 4500-Cl B 2017
10.	Colour	<5.0	5	15	Hazen	APHA (23rd Edition) 2120B 2017
11.	Copper (as Cu)	<0.02	0.05	1.5	mg/l	APHA (23rd Edition) 3120B 2017 (ICP OES)
12.	Cyanide (as CN)	<0.02	0.05	No Relaxation	mg/l	APHA (23rd Edition) 4500 CN- F 2017
13.	Fluoride (as F)	0.26	1.0	1.5	mg/l	APHA (23rd Edition) 4500 - F C/D, 2017
14.	Free Residual Chlorine	<0.1	0.2	1.0	mg/l	IS 3025 (Part 26)-1986 Rffm:2014
15.	Hexavalent Chromium (as Cr+6)	<0.01			mg/l	APHA 23rd Edtn-2017, 3500 Cr B
16.	Iron (as Fe)	0.26	0.3	No Relaxation	mg/l	APHA (23rd Edition) 3500 Fe B 2017
17.	Lead (as Pb)	<0.005	0.01	No Relaxation	mg/l	APHA (23rd Edition) 3120B 2017
18.	Magnesium (as Mg)	27	30	100	mg/l	APHA (23rd Edition) 3500 Mg B, 2017
19.	Manganese (as Mn)	<0.02	0.1	0.3	mg/l	APHA (23rd Edition) 3120B 2017 (ICP OES)
20.	Mercury (as Hg)	<0.001	0.001	No Relaxation	mg/l	IS 3025 (Part 48)-1994; Rffm:2014
21.	Molybdenum (as Mo)	<0.05	0.07	No Relaxation	mg/l	APHA (23rd Edition) 3120B 2017
22.	Nickel (as Ni)	<0.02	0.02	No Relaxation	mg/l	APHA (23rd Edition) 3120B 2017
23.	Nitrate (as NO ₃)	8.5	45	No Relaxation	mg/l	APHA (23rd Edition) 4500- NO ₃ -E, 2017

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SL. No.	Parameter	Result	DESIRABLE LIMIT	PERMISSIBLE LIMIT	UOM	METHOD
24.	Odour	Agreeable	Agreeable	Agreeable	None	APHA(23rd Edition)2150B
25.	Phenolic Compounds (as C ₆ H ₅ OH)	<0.001	0.001	0.002	mg/l	APHA (23rd Edition)5530C 2017 (Chloroform Extraction)
26.	Selenium (as Se)	<0.005	0.01	No Relaxation	mg/l	APHA (23rd Edition)3120B 2017
27.	Sulphate (as SO ₄)	164	200	400	mg/l	APHA (23rd Edition) 4500-SO ₄ E 2017
28.	Taste	Not Done			None	IS 3025 (Part 8)-1983 Rffm:2012
29.	Total Dissolved Solids (as TDS)	476	500	2000	mg/l	APHA (23rd Edition) 2540C
	Total Hardness (as CaCO ₃)	198	200	600	mg/l	APHA (23rd Edition) 2340 C 2017
31.	Turbidity	5	1	5	N.T.U.	APHA (23rd Edition) 2130B
32.	Zinc (as Zn)	<0.02	5	15	mg/l	APHA (23rd Edition)3120B 2017
33.	pH	7.11 at 25 deg C	6.5-8.5	No Relaxation	None	APHA(23rd Edition) 4500-H-B
34.	E.coli	Not Detected		NA	/100ml	IS 1622 : 1981 (RA 2019)
35.	Total coliform bacteria	<1.8		NA	MPN/100ml	IS 1622 : 1981 (RA 2019)

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TEST REPORT

Name & Address of the Customer :
Prayagraj Power Generation Company Ltd.
Vill.: Khan Semra,
Tehsil : Bara,
Dist.: Prayagraj [Pin- 212107]
Uttar Pradesh.

Report No. : MSK/KTN/2022-23/GDW/079
Date : 03/11/2022
Sample No. : MSKGL/ED/2022-23/10/01460
Date Of Sample : 25/10/2022
Sample Description : Ground Drinking Water
Sample Mark : HP-2, Kapari Panchayat Bhawan

Ref. No. & Date : 9200000102, Dt-24/05/2021.

ANALYSIS RESULT

SL. No.	Parameter	Result	DESIRABLE LIMIT	PERMISSIBLE LIMIT	UOM	METHOD
01.	Alkalinity (as CaCO ₃)	191	200	600	mg/l	APHA (23rd Edition) 2320B 2017
02.	Aluminium (as Al)	<0.01	0.03	0.2	mg/l	APHA (23rd Edition) 3120B 2017 (ICP OES)
03.	Anionic Detergents (as MBAS)	<0.02	0.2	1.0	mg/l	APHA (23rd Edition) 5540 C, 2017
04.	Arsenic (as As)	<0.005	0.01	0.05	mg/l	APHA (23rd Edition) 3120B 2017 (ICP OES)
05.	Barium (as Ba)	<0.05	0.7	No Relaxation	mg/l	APHA (23rd Edition) 3120B 2017 (ICP OES)
06.	Boron (as B)	<0.5	0.5	1.0	mg/l	APHA (23rd Edition) 3120B 2017 (ICP OES)
07.	Cadmium (as Cd)	<0.001	0.003	No Relaxation	mg/l	APHA (23rd Edition) 3120B 2017
08.	Calcium (as Ca)	51	75	200	mg/l	APHA (23rd Edition) 3500 Ca B, 2017
09.	Chloride (as Cl)	156	250	1000	mg/l	APHA (23rd Edition) 4500-Cl B 2017
10.	Copper (as Cu)	<0.02	0.05	1.5	mg/l	APHA (23rd Edition) 3120B 2017 (ICP OES)
11.	Cyanide (as CN)	<0.01	0.05	No Relaxation	mg/l	APHA (23rd Edition) 4500 CN- F 2017
12.	Fluoride (as F)	0.71	1.0	1.5	mg/l	APHA (23rd Edition) 4500 - F C/D, 2017
13.	Free Residual Chlorine	<0.1	0.2	1.0	mg/l	IS 3025 (Part 26)-1986 Rffm: 2014
14.	Hexavalent Chromium (as Cr+6)	<0.01			mg/l	APHA 23rd Edtn-2017, 3500 Cr B
15.	Iron (as Fe)	0.22	0.3	No Relaxation	mg/l	APHA (23rd Edition) 3500 Fe B 2017
16.	Lead (as Pb)	<0.005	0.01	No Relaxation	mg/l	APHA (23rd Edition) 3120B 2017
17.	Magnesium (as Mg)	21	30	100	mg/l	APHA (23rd Edition) 3500 Mg B, 2017
18.	Manganese (as Mn)	<0.02	0.1	0.3	mg/l	APHA (23rd Edition) 3120B 2017 (ICP OES)
19.	Mercury (as Hg)	<0.001	0.001	No Relaxation	mg/l	IS 3025(Part 48)-1994; Rffm: 2014
20.	Molybdenum (as Mo)	<0.05	0.07	No Relaxation	mg/l	APHA (23rd Edition) 3120B 2017
21.	Nickel (as Ni)	<0.02	0.02	No Relaxation	mg/l	APHA (23rd Edition) 3120B 2017
22.	Nitrate (as NO ₃)	21	45	No Relaxation	mg/l	APHA (23rd Edition) 4500- NO ₃ -E, 2017
23.	Phenolic Compounds (as C ₆ H ₅ OH)	<0.001	0.001	0.002	mg/l	APHA (23rd Edition) 5530C 2017 (Chloroform Extraction)
24.	Selenium (as Se)	<0.005	0.01	No Relaxation	mg/l	APHA (23rd Edition) 3120B 2017
25.	Sulphate (as SO ₄)	142	200	400	mg/l	APHA (23rd Edition) 4500-SO ₄ E 2017

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SL. No.	Parameter	Result	DESIRABLE LIMIT	PERMISSIBLE LIMIT	UOM	METHOD
26.	Total Hardness (as CaCO ₃)	256	200	600	mg/l	APHA (23rd Edition) 2340 C 2017
27.	Zinc (as Zn)	<0.02	5	15	mg/l	APHA (23rd Edition) 3120B 2017
28.	E.coli	Not Detected		NA	/100ml	IS 1622 : 1981 (RA 2019)
29.	Total coliform bacteria	<2		NA	MPN/100ml	IS 1622 : 1981 (RA 2019)
30.	Colour	<1.0	5	15	Hazen	APHA (23rd Edition) 2120B 2017
31.	Odour	Agreeable	Agreeable	Agreeable	None	APHA (23rd Edition) 2150B
32.	Taste	Not Done			None	IS 3025 (Part 8)-1983 Rffm:2012
33.	Total Dissolved Solids (as TDS)	245	500	2000	mg/l	APHA (23rd Edition) 2540C
34.	Turbidity	5	1	5	N.T.U.	APHA (23rd Edition) 2130B
35.	pH	7.21 at 25 deg C	6.5-8.5	No Relaxation	None	APHA (23rd Edition) 4500-H-B

For Mitra S. K. Private Limited

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TEST REPORT

Name & Address of the Customer :
Prayagraj Power Generation Company Ltd.
Vill.: Khan Semra,
Tehsil : Bara,
Dist.: Prayagraj [Pin- 212107]
Uttar Pradesh.

Report No. : MSK/KTN/2022-23/GDW/080
Date : 03/11/2022
Sample No. : MSKGL/ED/2022-23/10/01461
Date Of Sample : 25/10/2022
Sample Description : Ground Drinking Water
Sample Mark : HP-3, Jorvat Village

Ref. No. & Date : 9200000102, Dt -24/05/2021.

ANALYSIS RESULT

SL No.	Parameter	Result	DESIRABLE LIMIT	PERMISSIBLE LIMIT	UOM	METHOD
01.	Alkalinity (as CaCO ₃)	166	200	600	mg/l	APHA (23rd Edition) 2320B 2017
02.	Aluminium (as Al)	<0.01	0.03	0.2	mg/l	APHA (23rd Edition)3120B 2017 (ICP OES)
03.	Anionic Detergents (as MBAS)	<0.02	0.2	1.0	mg/l	APHA (23rd Edition)5540 C, 2017
04.	Arsenic(as As)	<0.005	0.01	0.05	mg/l	APHA (23rd Edition)3120B 2017 (ICP OES)
05.	Barium (as Ba)	<0.05	0.7	No Relaxation	mg/l	APHA (23rd Edition)3120B 2017 (ICP OES)
06.	Boron (as B)	<0.5	0.5	1.0	mg/l	APHA (23rd Edition)3120B 2017 (ICP OES)
07.	Cadmium (as Cd)	<0.001	0.003	No Relaxation	mg/l	APHA (23rd Edition)3120B 2017
08.	Calcium (as Ca)	62	75	200	mg/l	APHA (23rd Edition) 3500 Ca B, 2017
09.	Chloride (as Cl)	197	250	1000	mg/l	APHA (23rd Edition)4500-Cl B 2017
10.	Copper (as Cu)	<0.02	0.05	1.5	mg/l	APHA (23rd Edition)3120B 2017 (ICP OES)
11.	Cyanide (as CN)	<0.01	0.05	No Relaxation	mg/l	APHA (23rd Edition)4500 CN- F 2017
12.	Fluoride (as F)	0.61	1.0	1.5	mg/l	APHA (23rd Edition)4500 - F C/D, 2017
13.	Free Residual Chlorine	<0.1	0.2	1.0	mg/l	IS 3025 (Part 26)-1986 Rffm:2014
14.	Hexavalent Chromium (as Cr+6)	<0.01			mg/l	APHA 23rd Edtn-2017, 3500 Cr B
15.	Iron (as Fe)	0.18	0.3	No Relaxation	mg/l	APHA (23rd Edition)3500 Fe B 2017
16.	Lead (as Pb)	<0.005	0.01	No Relaxation	mg/l	APHA (23rd Edition)3120B 2017
17.	Magnesium (as Mg)	22	30	100	mg/l	APHA (23rd Edition) 3500 Mg B, 2017
18.	Manganese (as Mn)	<0.02	0.1	0.3	mg/l	APHA (23rd Edition)3120B 2017 (ICP OES)
19.	Mercury (as Hg)	<0.001	0.001	No Relaxation	mg/l	IS 3025(Part 48)-1994; Rffm:2014
20.	Molybdenum (as Mo)	<0.05	0.07	No Relaxation	mg/l	APHA (23rd Edition)3120B 2017
21.	Nickel (as Ni)	<0.02	0.02	No Relaxation	mg/l	APHA (23rd Edition)3120B 2017
22.	Nitrate (as NO ₃)	32	45	No Relaxation	mg/l	APHA (23rd Edition) 4500- NO ₃ -E, 2017
23.	Phenolic Compounds (as C ₆ H ₅ OH)	<0.001	0.001	0.002	mg/l	APHA (23rd Edition)5530C 2017 (Chloroform Extraction)
24.	Selenium (as Se)	<0.005	0.01	No Relaxation	mg/l	APHA (23rd Edition)3120B 2017
25.	Sulphate (as SO ₄)	106	200	400	mg/l	APHA (23rd Edition) 4500-SO ₄ E 2017

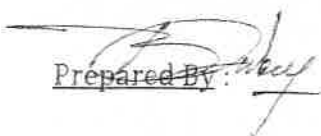
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SL No.	Parameter	Result	DESIRABLE LIMIT	PERMISSIBLE LIMIT	UOM	METHOD
26.	Total Hardness (as CaCO ₃)	176	200	600	mg/l	APHA (23rd Edition) 2340 C 2017
27.	Zinc (as Zn)	<0.02	5	15	mg/l	APHA (23rd Edition) 3120B 2017
28.	E.coli	Not Detected		NA	/100ml	IS 1622 : 1981 (RA 2019)
29.	Total coliform bacteria	<2		NA	MPN/100ml	IS 1622 : 1981 (RA 2019)
30.	Colour	<1.0	5	15	Hazen	APHA (23rd Edition) 2120B 2017
	Odour	Agreeable	Agreeable	Agreeable	None	APHA (23rd Edition) 2150B
32.	Taste	Not Done			None	IS 3025 (Part 8)-1983 Rffm:2012
33.	Total Dissolved Solids (as TDS)	275	500	2000	mg/l	APHA (23rd Edition) 2540C
34.	Turbidity	<1.0	1	5	N.T.U.	APHA (23rd Edition) 2130B
35.	pH	7.31 at 25 deg C	6.5-8.5	No Relaxation	None	APHA (23rd Edition) 4500-H-B

Prepared By: 

For Mitra S. K. Private Limited


Authorised Signatory



Green belt development

Mitra S. K. Private Limited



Above Punjab National Bank
Maihar Road, NH-7, Kuthla,
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CIN: U51909WB1956PTC023037
T : 07622 – 240651, 240919
E : bmdubey@mitrask.co.in
sknigam@mitrask.co.in

TEST REPORT

Name & Address of the Customer :
Prayagraj Power Generation Company Ltd.
Vill.: Khan Semra,
Tehsil : Bara,
Dist.: Prayagraj [Pin- 212107]
Uttar Pradesh.

Report No. : MSK/KTN/2022-23/NOISE/049
Date : 03/11/2022
Sample No. : MSKGL/ED/2022-23/10/01467
Date Of Sample : 25/10/2022
Sample Description : NOISE MONITORING

Ref. No. & Date : 9200000102, Dt -24/05/2021.

ANALYSIS RESULT

SL. No.	Location	Date Of Monitoring	Type Of Area	Results in Leq dB(A) Day Time	Results in Leq dB(A) Night Time
1.	TURBINE AREA	25.10.2022.	INSIDE PLANT	71.6	65.3

Prepared By: 

For Mitra S. K. Private Limited


Authorised Signatory

Page 1 of 1

Above Punjab National Bank
Maihar Road, NH-7, Kuthla,
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sknigam@mitrask.co.in

TEST REPORT

Name & Address of the Customer :
Prayagraj Power Generation Company Ltd.
Vill.: Khan Semra,
Tehsil : Bara,
Dist.: Prayagraj [Pin- 212107]
Uttar Pradesh.

Report No. : MSK/KTN/2022-23/NOISE/057
Date : 04/12/2022
Sample No. : MSKGL/ED/2022-23/11/01528
Date Of Sample : 24/11/2022
Sample Description : NOISE MONITORING

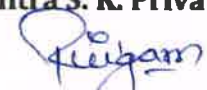
Ref. No. & Date : 9200000102, Dt-24/05/2021.

ANALYSIS RESULT

SL. No.	Location	Date Of Monitoring	Type Of Area	Results in Leq dB(A) Day Time	Results in Leq dB(A) Night Time
1.	TURBINE AREA	24.11.2022.	INSIDE PLANT	64.1	48.8

Prepared By: 

For Mitra S. K. Private Limited


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Above Punjab National Bank
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sknigam@mitrask.co.in

TEST REPORT

Name & Address of the Customer :
Prayagraj Power Generation Company Ltd.
Vill.: Khan Semra,
Tehsil : Bara,
Dist.: Prayagraj [Pin- 212107]
Uttar Pradesh.

Report No. : MSK/KTN/2022-23/NOISE/065
Date : 30/12/2022
Sample No. : MSKGL/ED/2022-23/12/02073
Date Of Sample : 19/12/2022
Sample Description : NOISE MONITORING

Ref. No. & Date : 9200000102, Dt -24/05/2021.

ANALYSIS RESULT

SL. No.	Location	Date Of Monitoring	Type Of Area	Results in Leq dB(A) Day Time	Results in Leq dB(A) Night Time
1.	TURBINE AREA	19.12.2022.	INSIDE PLANT	68.7	49.9

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For Mitra S. K. Private Limited


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sknigam@mitrask.co.in

TEST REPORT

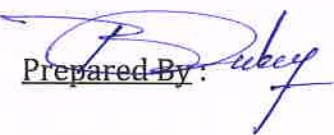
Name & Address of the Customer :
Prayagraj Power Generation Company Ltd.
Vill.: Khan Semra,
Tehsil : Bara,
Dist.: Prayagraj [Pin- 212107]
Uttar Pradesh.

Report No. : MSK/KTN/2022-23/NOISE/073
Date : 31/01/2023
Sample No. : MSKGL/ED/2022-23/01/01362
Date Of Sample : 24/01/2023
Sample Description : NOISE MONITORING

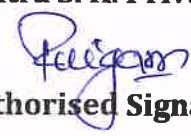
Ref. No. & Date : 9200000102, Dt -24/05/2021.

ANALYSIS RESULT

SL. No.	Location	Date Of Monitoring	Type Of Area	Results in Leq dB(A) Day Time	Results in Leq dB(A) Night Time
1.	TURBINE AREA	24.01.2023.	INSIDE PLANT	71.2	65.7

Prepared By: 

For Mitra S. K. Private Limited


Authorised Signatory

Above Punjab National Bank
Maihar Road, NH-7, Kuthla,
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sknigam@mitrask.co.in

TEST REPORT

Name & Address of the Customer :
Prayagraj Power Generation Company Ltd.
Vill.: Khan Semra,
Tehsil : Bara,
Dist.: Prayagraj [Pin- 212107]
Uttar Pradesh.

Report No. : MSK/KTN/2022-23/NOISE/081
Date : 02/03/2023
Sample No. : MSKGL/ED/2022-23/02/01805
Date Of Sample : 23/02/2023
Sample Description : NOISE MONITORING

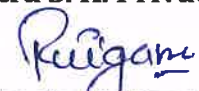
Ref. No. & Date : 9200000102, Dt -24/05/2021.

ANALYSIS RESULT

SL. No.	Location	Date Of Monitoring	Type Of Area	Results in Leq dB(A) Day Time	Results in Leq dB(A) Night Time
1.	TURBINE AREA	23.02.2023	INSIDE PLANT	72.1	69.3

Prepared By: 

For Mitra S. K. Private Limited


Authorised Signatory

Mitra S. K. Private Limited



Above Punjab National Bank
Maihar Road, NH-7, Kuthla,
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TEST REPORT

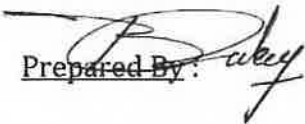
Name & Address of the Customer :
Prayagraj Power Generation Company Ltd.
Vill.: Khan Semra,
Tehsil : Bara,
Dist.: Prayagraj [Pin- 212107]
Uttar Pradesh.

Report No. : MSK/KTN/2023-24/NOISE/0001
Date : 03/04/2023
Sample No. : MSKGL/ED/2022-23/03/01849
Date Of Sample : 27/03/2023
Sample Description : NOISE MONITORING

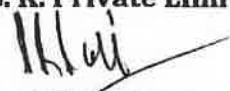
Ref. No. & Date : 9200000102, Dt -24/05/2021.

ANALYSIS RESULT

SL. No.	Location	Date Of Monitoring	Type Of Area	Results in Leq dB(A) Day Time	Results in Leq dB(A) Night Time
1.	TURBINE AREA	27.03.2023	INSIDE PLANT	71.6	67.1

Prepared By: 

For Mitra S. K. Private Limited


Authorised Signatory

Mitra S. K. Private Limited



Above Punjab National Bank
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TEST REPORT

Name & Address of the Customer :
Prayagraj Power Generation Company Ltd.
Vill.: Khan Semra,
Tehsil : Bara,
Dist.: Prayagraj [Pin- 212107]
Uttar Pradesh.

Report No. : MSK/KTN/2023-24/AA/0001-0004
Date : 03/04/2023
Sample No. : MSKGL/ED/2022-23/03/01791-01794
Date Of Sample : 02.03.2023
Sample Description : AMBIENT AIR MONITORING
(INSIDE THE PLANT)

Ref. No. & Date : 9200000102. Dt-24/05/2021.

ANALYSIS RESULT

Sl. No.	Sampling Location Name	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)
1.	CHP Area	88.2	44.7	13.7	48.2
2.	Fire Station	71.6	38.5	6.7	29.8
3.	Horticulture	78.5	37.4	<6.0	21.2
4.	ITI College	91.7	41.4	9.3	34.7
National Ambient Air Quality Standards		100 (24hrs)	60 (24hrs)	80 (24hrs)	80 (24hrs)

Prepared By:

For Mitra S. K. Private Limited

Authorised Signatory

Mitra S. K. Private Limited



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TEST REPORT

Name & Address of the Customer :
Prayagraj Power Generation Company Ltd.
Vill.: Khan Semra,
Tehsil : Bara,
Dist.: Prayagraj [Pin- 212107]
Uttar Pradesh.

Report No. : MSK/KTN/2023-24/AA/0005-0007
Date : 03/04/2023
Sample No. : MSKGL/ED/2022-23/03/01795-01797
Date Of Sample : 03/03/2023
Sample Description : AMBIENT AIR MONITORING
(OUTSIDE THE PLANT)

Ref. No. & Date : 9200000102. Dt -24/05/2021.

ANALYSIS RESULT

Sl. No.	Sampling Location Name	PM ₁₀ ($\mu\text{g}/\text{m}^3$)	PM _{2.5} ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO ₂ ($\mu\text{g}/\text{m}^3$)
1.	Lohgara Village	82.3	46.4	9.4	43.6
2.	Bemara Village	81.2	40.5	7.6	37.9
3.	Kapari Village	84.7	41.2	7.8	32.3
National Ambient Air Quality Standards		100 (24hrs)	60 (24hrs)	80 (24hrs)	80 (24hrs)

Prepared By:

For Mitra S. K. Private Limited

Authorised Signatory

Mitra S. K. Private Limited



Above Punjab National Bank
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TEST REPORT

Name & Address of the Customer :
Prayagraj Power Generation Company Ltd.
Vill.: Khan Semra,
Tehsil : Bara,
Dist.: Prayagraj [Pin- 212107]
Uttar Pradesh.

Report No. : MSK/KTN/2023-24/AA/0043-0046
Date : 03/04/2023
Sample No. : MSKGL/ED/2022-23/03/01833-01836
Date Of Sample : 27.03.2023
Sample Description : AMBIENT AIR MONITORING
(INSIDE THE PLANT)

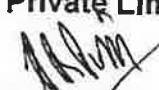
Ref. No. & Date : 9200000102, Dt-24/05/2021.

ANALYSIS RESULT

Sl. No.	Sampling Location Name	PM ₁₀ ($\mu\text{g}/\text{m}^3$)	PM _{2.5} ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO ₂ ($\mu\text{g}/\text{m}^3$)
1.	CHP Area	88.3	47.7	17.1	29.6
2.	Fire Station	81.3	44.5	15.1	23.4
3.	Horticulture	72.7	41.4	18.1	21.1
4.	ITI College	78.1	45.1	14.6	23.7
National Ambient Air Quality Standards		100 (24hrs)	60 (24hrs)	80 (24hrs)	80 (24hrs)

Prepared By: 

For Mitra S. K. Private Limited


Authorised Signatory

Mitra S. K. Private Limited



Above Punjab National Bank
Maihar Road, NH-7, Kuthla,
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CIN: U51909WB1956PTC023037
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sknigam@mitrask.co.in

TEST REPORT

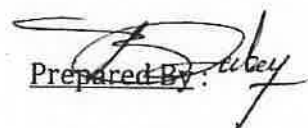
Name & Address of the Customer :
Prayagraj Power Generation Company Ltd.
Vill.: Khan Semra,
Tehsil : Bara,
Dist.: Prayagraj [Pin- 212107]
Uttar Pradesh.

Report No. : MSK/KTN/2023-24/AA/0048-0050
Date : 03/04/2023
Sample No. : MSKGL/ED/2022-23/03/01838-01840
Date Of Sample : 28/03/2023
Sample Description : AMBIENT AIR MONITORING
(OUTSIDE THE PLANT)

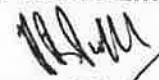
Ref. No. & Date : 9200000102. Dt-24/05/2021.

ANALYSIS RESULT

Sl. No.	Sampling Location Name	PM ₁₀ ($\mu\text{g}/\text{m}^3$)	PM _{2.5} ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO ₂ ($\mu\text{g}/\text{m}^3$)
1.	Lohgara Village	89.1	49.1	14.7	23.3
2.	Bemara Village	74.8	41.4	12.5	25.5
3.	Kapari Village	79.7	43.9	11.3	24.9
National Ambient Air Quality Standards		100 (24hrs)	60 (24hrs)	80 (24hrs)	80 (24hrs)

Prepared By: 

For Mitra S. K. Private Limited


Authorised Signatory

Mitra S. K. Private Limited



Above Punjab National Bank
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sknigam@mitrask.co.in

TEST REPORT

Name & Address of the Customer :
Prayagraj Power Generation Company Ltd.
Vill.: Khan Semra,
Tehsil : Bara,
Dist.: Prayagraj [Pin- 212107]
Uttar Pradesh.

Report No. : MSK/KTN/2022-23/AA/547-550
Date : 04/03/2023
Sample No. : MSKGL/ED/2022-23/02/01761-01764
Date Of Sample : 06.02.2023
Sample Description : AMBIENT AIR MONITORING
(INSIDE THE PLANT)

Ref. No. & Date : 9200000102, Dt-24/05/2021.

ANALYSIS RESULT

Sl. No.	Sampling Location Name	PM ₁₀ ($\mu\text{g}/\text{m}^3$)	PM _{2.5} ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO ₂ ($\mu\text{g}/\text{m}^3$)
1.	CHP Area	88.4	40.4	7.8	34.8
2.	Fire Station	51.7	26.8	6.4	31.4
3.	Horticulture	55.7	30.6	<6.0	49.7
4.	ITI College	57.6	32.2	6.5	26.5
National Ambient Air Quality Standards		100 (24hrs)	60 (24hrs)	80 (24hrs)	80 (24hrs)

Prepared By:

For Mitra S. K. Private Limited

Authorised Signatory

Mitra S. K. Private Limited



Above Punjab National Bank
Maihar Road, NH-7, Kuthla,
Katni – 483501 (M.P.)
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sknigam@mitrask.co.in

TEST REPORT

Name & Address of the Customer :
Prayagraj Power Generation Company Ltd.
Vill.: Khan Semra,
Tehsil : Bara,
Dist.: Prayagraj [Pin- 212107]
Uttar Pradesh.

Report No. : MSK/KTN/2022-23/AA/551-553
Date : 04/03/2023
Sample No. : MSKGL/ED/2022-23/02/01765-01767
Date Of Sample : 07/02/2023
Sample Description : AMBIENT AIR MONITORING
(OUTSIDE THE PLANT)

Ref. No. & Date : 9200000102, Dt-24/05/2021.

ANALYSIS RESULT

Sl. No.	Sampling Location Name	PM ₁₀ ($\mu\text{g}/\text{m}^3$)	PM _{2.5} ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO ₂ ($\mu\text{g}/\text{m}^3$)
1.	Lohgara Village	58.2	27.5	7.1	26.5
2.	Bemara Village	61.4	28.7	<6.0	25.3
3.	Kapari Village	58.2	31.7	6.2	31.5
National Ambient Air Quality Standards		100 (24hrs)	60 (24hrs)	80 (24hrs)	80 (24hrs)

Prepared By:

For Mitra S. K. Private Limited

Authorised Signatory

Mitra S. K. Private Limited



Above Punjab National Bank
Maihar Road, NH-7, Kuthla,
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CIN: U51909WB1956PTC023037
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sknigam@mitrask.co.in

TEST REPORT

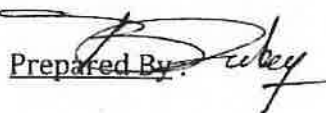
Name & Address of the Customer :
Prayagraj Power Generation Company Ltd.
Vill.: Khan Semra,
Tehsil : Bara,
Dist.: Prayagraj [Pin- 212107]
Uttar Pradesh.

Report No. : MSK/KTN/2022-23/AA/587-589
Date : 04/03/2023
Sample No. : MSKGL/ED/2022-23/02/01801-01803
Date Of Sample : 28/02/2023
Sample Description : AMBIENT AIR MONITORING
(OUTSIDE THE PLANT)

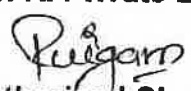
Ref. No. & Date : 9200000102, Dt-24/05/2021.

ANALYSIS RESULT

Sl. No.	Sampling Location Name	PM ₁₀ ($\mu\text{g}/\text{m}^3$)	PM _{2.5} ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO ₂ ($\mu\text{g}/\text{m}^3$)
1.	Lohgara Village	87.5	48.1	12.3	21.8
2.	Bemara Village	84.5	46.5	14.7	22.3
3.	Kapari Village	90.3	49.7	15.9	25.1
National Ambient Air Quality Standards		100 (24hrs)	60 (24hrs)	80 (24hrs)	80 (24hrs)

Prepared By: 

For Mitra S. K. Private Limited


Authorised Signatory

Mitra S. K. Private Limited



Above Punjab National Bank
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E : bmdubey@mitrask.co.in
sknigam@mitrask.co.in

TEST REPORT

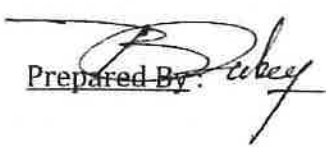
Name & Address of the Customer :
Prayagraj Power Generation Company Ltd.
Vill.: Khan Semra,
Tehsil : Bara,
Dist.: Prayagraj [Pin- 212107]
Uttar Pradesh.

Report No. : MSK/KTN/2022-23/AA/583-586
Date : 04/03/2023
Sample No. : MSKGL/ED/2022-23/02/01797-01800
Date Of Sample : 27.02.2023
Sample Description : AMBIENT AIR MONITORING
(INSIDE THE PLANT)

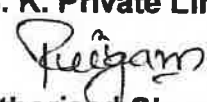
Ref. No. & Date : 9200000102, Dt-24/05/2021.

ANALYSIS RESULT

Sl. No.	Sampling Location Name	PM ₁₀ ($\mu\text{g}/\text{m}^3$)	PM _{2.5} ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO ₂ ($\mu\text{g}/\text{m}^3$)
1.	CHP Area	93.1	48.7	14.7	25.6
2.	Fire Station	85.4	43.5	16.9	26.4
3.	Horticulture	82.7	49.4	19.3	28.9
4.	ITI College	78.8	45.6	12.4	21.4
National Ambient Air Quality Standards		100 (24hrs)	60 (24hrs)	80 (24hrs)	80 (24hrs)

Prepared By: 

For Mitra S. K. Private Limited


Authorised Signatory

Mitra S. K. Private Limited



Above Punjab National Bank
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sknigam@mitrask.co.in

TEST REPORT

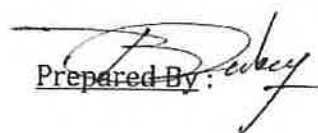
Name & Address of the Customer :
Prayagraj Power Generation Company Ltd.
Vill.: Khan Semra,
Tehsil : Bara,
Dist.: Prayagraj [Pin- 212107]
Uttar Pradesh.

Report No. : MSK/KTN/2022-23/AA/494-496
Date : 03/02/2023
Sample No. : MSKGL/ED/2022-23/01/01315-01317
Date Of Sample : 03/01/2023
Sample Description : AMBIENT AIR MONITORING
(OUTSIDE THE PLANT)

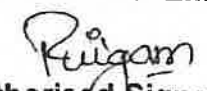
Ref. No. & Date : 9200000102, Dt -24/05/2021.

ANALYSIS RESULT

Sl. No.	Sampling Location Name	PM ₁₀ ($\mu\text{g}/\text{m}^3$)	PM _{2.5} ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO ₂ ($\mu\text{g}/\text{m}^3$)
1.	Lohgara Village	87.4	47.3	6.9	58.7
2.	Bemara Village	78.7	43.7	<6.0	51.3
3.	Kapari Village	63.3	33.1	6.4	37.8
National Ambient Air Quality Standards		100 (24hrs)	60 (24hrs)	80 (24hrs)	80 (24hrs)

Prepared By: 

For Mitra S. K. Private Limited


Authorised Signatory

Mitra S. K. Private Limited



Above Punjab National Bank
Maihar Road, NH-7, Kuthla,
Katni – 483501 (M.P.)
CIN: U51909WB1956PTC023037
T : 07622 – 240651, 240919
E : bmdubey@mitrask.co.in
sknigam@mitrask.co.in

TEST REPORT

Name & Address of the Customer :
Prayagraj Power Generation Company Ltd.
Vill.: Khan Semra,
Tehsil : Bara,
Dist.: Prayagraj [Pin- 212107]
Uttar Pradesh.

Report No. : MSK/KTN/2022-23/AA/533-536
Date : 03/02/2023
Sample No. : MSKGL/ED/2022-23/01/01354-01357
Date Of Sample : 26.01.2023
Sample Description : AMBIENT AIR MONITORING
(INSIDE THE PLANT)

Ref. No. & Date : 9200000102, Dt -24/05/2021.

ANALYSIS RESULT

Sl. No.	Sampling Location Name	PM ₁₀ ($\mu\text{g}/\text{m}^3$)	PM _{2.5} ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO ₂ ($\mu\text{g}/\text{m}^3$)
1.	CHP Area	88.3	46.2	16.1	21.5
2.	Fire Station	84.1	43.3	18.3	28.4
3.	Horticulture	87.6	47.3	19.2	33.6
4.	ITI College	86.9	45.4	16.8	23.8
National Ambient Air Quality Standards		100 (24hrs)	60 (24hrs)	80 (24hrs)	80 (24hrs)

Prepared By:

For Mitra S. K. Private Limited

Authorised Signatory

Mitra S. K. Private Limited



Above Punjab National Bank
Maihar Road, NH-7, Kuthla,
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CIN: U51909WB1956PTC023037
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sknigam@mitrask.co.in

TEST REPORT

Name & Address of the Customer :
Prayagraj Power Generation Company Ltd
Vill.: Khan Semra,
Tehsil : Bara,
Dist.: Prayagraj [Pin- 212107]
Uttar Pradesh.

Report No. : MSK/KTN/2022-23/AA/537-539
Date : 03/02/2023
Sample No. : MSKGL/ED/2022-23/01/01358-01360
Date Of Sample : 27/01/2023
Sample Description : AMBIENT AIR MONITORING
(OUTSIDE THE PLANT)

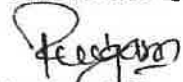
Ref. No. & Date : 9200000102, Dt -24/05/2021.

ANALYSIS RESULT

Sl. No.	Sampling Location Name	PM ₁₀ ($\mu\text{g}/\text{m}^3$)	PM _{2.5} ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO ₂ ($\mu\text{g}/\text{m}^3$)
1.	Lohgara Village	85.5	48.1	11.9	22.8
2.	Bemara Village	86.2	46.5	13.7	22.7
3.	Kapari Village	88.3	49.7	15.3	25.3
National Ambient Air Quality Standards		100 (24hrs)	60 (24hrs)	80 (24hrs)	80 (24hrs)

Prepared By: 

For Mitra S. K. Private Limited


Authorised Signatory

Mitra S. K. Private Limited



Above Punjab National Bank
Maihar Road, NH-7, Kuthla,
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E : bmdubey@mitrask.co.in
sknigam@mitrask.co.in

TEST REPORT

Name & Address of the Customer :
Prayagraj Power Generation Company Ltd.
Vill.: Khan Semra,
Tehsil : Bara,
Dist.: Prayagraj [Pin- 212107]
Uttar Pradesh.

Report No. : MSK/KTN/2022-23/AA/518-521
Date : 03/02/2023
Sample No. : MSKGL/ED/2022-23/01/01339-01342
Date Of Sample : 19.01.2023
Sample Description : AMBIENT AIR MONITORING
(INSIDE THE PLANT)

Ref. No. & Date : 9200000102, Dt -24/05/2021.

ANALYSIS RESULT

Sl. No.	Sampling Location Name	PM ₁₀ ($\mu\text{g}/\text{m}^3$)	PM _{2.5} ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO ₂ ($\mu\text{g}/\text{m}^3$)
1.	CHP Area	89.6	40.6	11.6	34.1
2.	Fire Station	71.6	34.5	8.5	27.1
3.	Horticulture	70.6	37.5	9.2	24.5
4.	ITI College	85.2	48.5	9.6	29.6
National Ambient Air Quality Standards		100 (24hrs)	60 (24hrs)	80 (24hrs)	80 (24hrs)

Prepared By:

For Mitra S. K. Private Limited

Authorised Signatory

Above Punjab National Bank
Maihar Road, NH-7, Kuthla,
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sknigam@mitrask.co.in

TEST REPORT

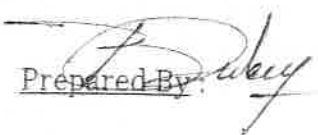
Name & Address of the Customer :
Prayagraj Power Generation Company Ltd.
Vill.: Khan Semra,
Tehsil : Bara,
Dist.: Prayagraj [Pin- 212107]
Uttar Pradesh.

Report No. : MSK/KTN/2022-23/AA/476-479
Date : 03/01/2023
Sample No. : MSKGL/ED/2022-23/12/02044-02047
Date Of Sample : 26.12.2022
Sample Description : AMBIENT AIR MONITORING
(INSIDE THE PLANT)

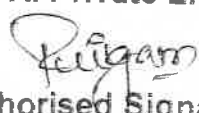
Ref. No. & Date : 9200000102, Dt -24/05/2021.

ANALYSIS RESULT

Sl. No.	Sampling Location Name	PM ₁₀ ($\mu\text{g}/\text{m}^3$)	PM _{2.5} ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO ₂ ($\mu\text{g}/\text{m}^3$)
1.	CHP Area	72.6	38.7	8.1	38.2
2.	Fire Station	63.4	39.3	6.6	29.9
3.	Horticulture	69.1	31.2	6.2	24.8
4.	ITI College	71.1	33.7	7.6	27.6
National Ambient Air Quality Standards		100 (24hrs)	60 (24hrs)	80 (24hrs)	80 (24hrs)

Prepared By: 

For Mitra S. K. Private Limited


Authorised Signatory

Above Punjab National Bank
Maihar Road, NH-7, Kuthla,
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TEST REPORT

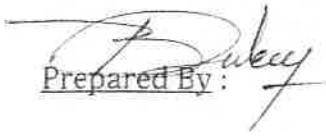
Name & Address of the Customer :
Prayagraj Power Generation Company Ltd.
Vill.: Khan Semra,
Tehsil : Bara,
Dist.: Prayagraj [Pin- 212107]
Uttar Pradesh.

Report No. : MSK/KTN/2022-23/AA/480-482
Date : 03/01/2023
Sample No. : MSKGL/ED/2022-23/12/02048-02050
Date Of Sample : 27/12/2022
Sample Description : AMBIENT AIR MONITORING
(OUTSIDE THE PLANT)

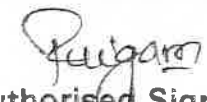
Ref. No. & Date : 9200000102, Dt-24/05/2021.

ANALYSIS RESULT

Sl. No.	Sampling Location Name	PM ₁₀ ($\mu\text{g}/\text{m}^3$)	PM _{2.5} ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO ₂ ($\mu\text{g}/\text{m}^3$)
1.	Lohgara Village	76.6	37.1	7.1	31.5
2.	Bemara Village	71.3	31.4	6.2	28.8
3.	Kapari Village	65.7	28.8	6.8	21.3
National Ambient Air Quality Standards		100 (24hrs)	60 (24hrs)	80 (24hrs)	80 (24hrs)

Prepared By : 

For Mitra S. K. Private Limited


Authorised Signatory

Above Punjab National Bank
Maihar Road, NH-7, Kuthla,
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TEST REPORT

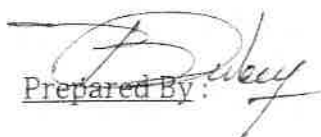
Name & Address of the Customer :
Prayagraj Power Generation Company Ltd.
Vill.: Khan Semra,
Tehsil : Bara,
Dist.: Prayagraj [Pin- 212107]
Uttar Pradesh.

Report No. : MSK/KTN/2022-23/AA/449-452
Date : 24/12/2022
Sample No. : MSKGL/ED/2022-23/12/01601-01604
Date Of Sample : 05.12.2022
Sample Description : AMBIENT AIR MONITORING
(INSIDE THE PLANT)

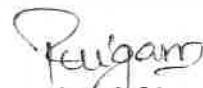
Ref. No. & Date : 9200000102, Dt -24/05/2021.

ANALYSIS RESULT

Sl. No.	Sampling Location Name	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)
1.	CHP Area	97.2	52.9	7.2	37.1
2.	Fire Station	91.9	50.4	7.3	41.8
3.	Horticulture	88.4	48.1	<6.0	25.2
4.	ITI College	90.2	44.5	7.0	32.3
National Ambient Air Quality Standards		100 (24hrs)	60 (24hrs)	80 (24hrs)	80 (24hrs)

Prepared By: 

For Mitra S. K. Private Limited


Authorised Signatory

Above Punjab National Bank
Maihar Road, NH-7, Kuthla,
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sknigam@mitrask.co.in

TEST REPORT

Name & Address of the Customer :
Prayagraj Power Generation Company Ltd.
Vill.: Khan Semra,
Tehsil : Bara,
Dist.: Prayagraj [Pin- 212107]
Uttar Pradesh.

Report No. : MSK/KTN/2022-23/AA/435-438
Date : 02/12/2022
Sample No. : MSKGL/ED/2022-23/11/01520-01523
Date Of Sample : 24/11/2022
Sample Description : AMBIENT AIR MONITORING
(INSIDE THE PLANT)

Ref. No. & Date : 9200000102, Dt-24/05/2021.

ANALYSIS RESULT

Sl. No.	Sampling Location Name	PM ₁₀ ($\mu\text{g}/\text{m}^3$)	PM _{2.5} ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO ₂ ($\mu\text{g}/\text{m}^3$)
1.	CHP Area	76.1	46.3	7.1	29.4
2.	Fire Station	69.4	40.9	8.7	35.4
3.	Horticulture	54.9	44.7	8.7	33.1
4.	ITI College	82.3	44.6	<6.0	21.2
National Ambient Air Quality Standards		100 (24hrs)	60 (24hrs)	80 (24hrs)	80 (24hrs)


Prepared By

For Mitra S. K. Private Limited


Authorised Signatory

Above Punjab National Bank
Maihar Road, NH-7, Kuthla,
Katni – 483501 (M.P.)
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TEST REPORT

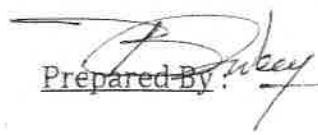
Name & Address of the Customer :
Prayagraj Power Generation Company Ltd.
Vill.: Khan Semra,
Tehsil : Bara,
Dist.: Prayagraj [Pin- 212107]
Uttar Pradesh.

Report No. : MSK/KTN/2022-23/AA/439-441
Date : 02/12/2022
Sample No. : MSKGL/ED/2022-23/11/01524-01526
Date Of Sample : 25/11/2022
Sample Description : AMBIENT AIR MONITORING
(OUTSIDE THE PLANT)

Ref. No. & Date : 9200000102, Dt -24/05/2021.

ANALYSIS RESULT

Sl. No.	Sampling Location Name	PM ₁₀ ($\mu\text{g}/\text{m}^3$)	PM _{2.5} ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO ₂ ($\mu\text{g}/\text{m}^3$)
1.	Lohgara Village	81.6	40.1	7.9	30.1
2.	Bemara Village	51.1	29.2	<6.0	19.4
3.	Kapari Village	63.6	32.8	7.6	21.4
National Ambient Air Quality Standards		100 (24hrs)	60 (24hrs)	80 (24hrs)	80 (24hrs)

Prepared By: 

For Mitra S. K. Private Limited


Authorised Signatory

Above Punjab National Bank
Maihar Road, NH-7, Kuthla,
Katni – 483501 (M.P.)
CIN: U51909WB1956PTC023037
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E : bmdubey@mitrask.co.in
sknigam@mitrask.co.in

TEST REPORT

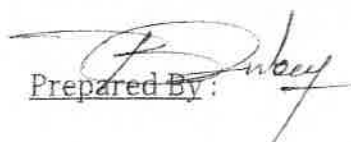
Name & Address of the Customer :
Prayagraj Power Generation Company Ltd.
Vill.: Khan Semra,
Tehsil : Bara,
Dist.: Prayagraj [Pin- 212107]
Uttar Pradesh.

Report No. : MSK/KTN/2022-23/AA/400-403
Date : 02/12/2022
Sample No. : MSKGL/ED/2022-23/11/01485-01488
Date Of Sample : 03/11/2022
Sample Description : AMBIENT AIR MONITORING
(INSIDE THE PLANT)

Ref. No. & Date : 9200000102, Dt-24/05/2021.

ANALYSIS RESULT

Sl. No.	Sampling Location Name	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)
1.	CHP Area	82.1	45.5	8.2	21.9
2.	Fire Station	87.8	41.5	6.9	28.1
3.	Horticulture	80.1	46.4	7.8	28.1
4.	ITI College	79.2	50.9	8.8	26.3
National Ambient Air Quality Standards		100 (24hrs)	60 (24hrs)	80 (24hrs)	80 (24hrs)

Prepared By: 

For Mitra S. K. Private Limited

Authorised Signatory

Above Punjab National Bank
Maihar Road, NH-7, Kuthla,
Katni – 483501 (M.P.)
CIN: U51909WB1956PTC023037
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E : bmdubey@mitrask.co.in
sknigam@mitrask.co.in

TEST REPORT

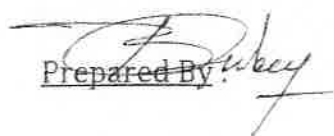
Name & Address of the Customer :
Prayagraj Power Generation Company Ltd.
Vill.: Khan Semra,
Tehsil : Bara,
Dist.: Prayagraj [Pin- 212107]
Uttar Pradesh.

Report No. : MSK/KTN/2022-23/AA/404-406
Date : 02/12/2022
Sample No. : MSKGL/ED/2022-23/11/01489-01491
Date Of Sample : 04/11/2022
Sample Description : AMBIENT AIR MONITORING
(OUTSIDE THE PLANT)

Ref. No. & Date : 9200000102, Dt -24/05/2021.

ANALYSIS RESULT

Sl. No.	Sampling Location Name	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)
1.	Lohgara Village	56.9	37.8	8.3	26.1
2.	Bemara Village	77.3	41.1	7.2	16.8
3.	Kapari Village	63.9	38.2	7.5	27.9
National Ambient Air Quality Standards		100 (24hrs)	60 (24hrs)	80 (24hrs)	80 (24hrs)

Prepared By: 

For Mitra S. K. Private Limited

Authorised Signatory

Above Punjab National Bank
 Maihar Road, NH-7, Kuthla,
 Katni – 483501 (M.P.)
 CIN: U51909WB1956PTC023037
 T : 07622 – 240651, 240919
 E : bmdubey@mitrask.co.in
sknigam@mitrask.co.in

TEST REPORT

Name & Address of the Customer :
Prayagraj Power Generation Company Ltd.
Vill.: Khan Semra,
Tehsil : Bara,
Dist.: Prayagraj [Pin- 212107]
Uttar Pradesh.

Report No. : MSK/KTN/2022-23/AA/344-347
Date : 03/11/2022
Sample No. : MSKGL/ED/2022-23/10/01410-01413
Date Of Sample : 03/10/2022
Sample Description : AMBIENT AIR MONITORING
(INSIDE THE PLANT)

Ref. No. & Date : 9200000102. Dt -24/05/2021.

ANALYSIS RESULT

Sl. No.	Sampling Location Name	PM ₁₀ ($\mu\text{g}/\text{m}^3$)	PM _{2.5} ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO ₂ ($\mu\text{g}/\text{m}^3$)
1.	CHP Area	82.1	34.2	6.2	31.2
2.	Fire Station	53.8	32.1	6.6	20.2
3.	Horticulture	62.3	37.2	<6.0	32.1
4.	ITI College	59.2	34.2	<6.0	37.2
National Ambient Air Quality Standards		100 (24hrs)	60 (24hrs)	80 (24hrs)	80 (24hrs)

Prepared By: 

For Mitra S. K. Private Limited


 Authorised Signatory

Above Punjab National Bank
Maihar Road, NH-7, Kuthia,
Katni – 483501 (M.P.)
CIN: U51909WB1956PTC023037
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E : bmdubey@mitrask.co.in
sknigam@mitrask.co.in

TEST REPORT

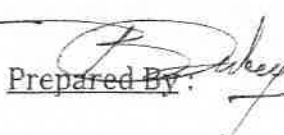
Name & Address of the Customer :
Prayagraj Power Generation Company Ltd.
Vill.: Khan Semra,
Tehsil : Bara,
Dist.: Prayagraj [Pin- 212107]
Uttar Pradesh.

Report No. : MSK/KTN/2022-23/AA/348-350
Date : 03/11/2022
Sample No. : MSKGL/ED/2022-23/10/01414-01416
Date Of Sample : 04/10/2022
Sample Description : AMBIENT AIR MONITORING
(OUTSIDE THE PLANT)

Ref. No. & Date : 9200000102, Dt -24/05/2021.

ANALYSIS RESULT

Sl. No.	Sampling Location Name	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)
1.	Lohgara Village	56.2	30.2	6.8	23.6
2.	Bemara Village	59.9	26.3	<6.0	19.6
3.	Kapari Village	65.4	34.5	7.1	37.9
National Ambient Air Quality Standards		100 (24hrs)	60 (24hrs)	80 (24hrs)	80 (24hrs)

Prepared By: 

For Mitra S. K. Private Limited


Authorised Signatory

Above Punjab National Bank
 Maihar Road, NH-7, Kuthla,
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sknigam@mitrask.co.in

TEST REPORT

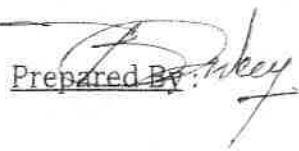
Name & Address of the Customer :
Prayagraj Power Generation Company Ltd.
Vill.: Khan Semra,
Tehsil : Bara,
Dist.: Prayagraj [Pin- 212107]
Uttar Pradesh.

Report No. : MSK/KTN/2022-23/AA/386-389
Date : 03/11/2022
Sample No. : MSKGL/ED/2022-23/10/01452-01455
Date Of Sample : 27/10/2022
Sample Description : AMBIENT AIR MONITORING
(INSIDE THE PLANT)

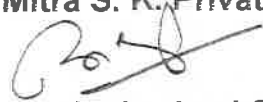
Ref. No. & Date : 9200000102, Dt -24/05/2021.

ANALYSIS RESULT

Sl. No.	Sampling Location Name	PM ₁₀ ($\mu\text{g}/\text{m}^3$)	PM _{2.5} ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO ₂ ($\mu\text{g}/\text{m}^3$)
1.	CHP Area	75.9	44.3	11.5	45.6
2.	Fire Station	83.5	46.2	8.6	39.4
3.	Horticulture	79.2	39.1	7.9	31.5
4.	ITI College	90.6	50.5	6.9	19.7
National Ambient Air Quality Standards		100 (24hrs)	60 (24hrs)	80 (24hrs)	80 (24hrs)

Prepared By: 

For Mitra S. K. Private Limited


 Authorised Signatory

Above Punjab National Bank
 Maihar Road, NH-7, Kuthla,
 Katni – 483501 (M.P.)
 CIN: U51909WB1956PTC023037
 T : 07622 – 240651, 240919
 E : bmdubey@mitrask.co.in
sknigam@mitrask.co.in

TEST REPORT

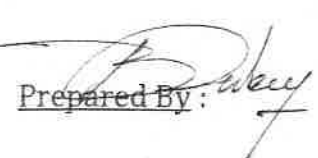
Name & Address of the Customer :
Prayagraj Power Generation Company Ltd.
Vill.: Khan Semra,
Tehsil : Bara,
Dist.: Prayagraj [Pin- 212107]
Uttar Pradesh.

Report No. : MSK/KTN/2022-23/AA/390-392
Date : 03/11/2022
Sample No. : MSKGL/ED/2022-23/10/01456-01458
Date Of Sample : 28/10/2022
Sample Description : AMBIENT AIR MONITORING
(OUTSIDE THE PLANT)

Ref. No. & Date : 9200000102, Dt-24/05/2021.

ANALYSIS RESULT

Sl. No.	Sampling Location Name	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)
1.	Lohgara Village	63.2	28.7	6.6	21.5
2.	Bemara Village	53.2	25.7	<6.0	17.8
3.	Kapari Village	51.2	23.8	<6.0	18.2
National Ambient Air Quality Standards		100 (24hrs)	60 (24hrs)	80 (24hrs)	80 (24hrs)

Prepared By: 

For Mitra S. K. Private Limited



Authorised Signatory

Data of Stack and ambient air display at main gate of the Plant





PPGCL/ENV/FY23/194

Date: 14.09.2022

To,
The Member Secretary,
U.P. Pollution Control Board,
Building No. TC-12V
Vibhuti Khand, Gomti Nagar
Lucknow-226010

Subject: Environment Statement in Form V for the financial year 2021-2022.

Dear Sir,

Please find enclosed the Environment Statement report for the period April-21 to March-22 (FY 21-22) for M/s Prayagraj Power Generation Company Limited, Bara.

This is for your kind information and record please.

Yours Sincerely,

For Prayagraj Power Generation Company Limited

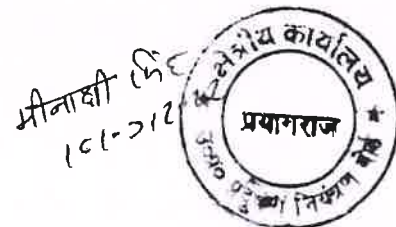

S H Pandey

Chief-O&M Services

Encl: Environment Statement (Form V) for FY 21-22

Cc: The Regional Officer

U.P. Pollution Control Board, Prayagraj



Prayagraj Power Generation Company Limited

Registered Office : Shatabdi Bhawan, B 12 & 13, Sector 4, Gautam Budh Nagar, Noida, Uttar Pradesh - 201301
Phone: + 91-120-6102000/6102208 CIN: U40101UP2007SGC032835

Plant Address : P.O. - Lohgara, Tehsil - Bara, Prayagraj (Allahabad), Uttar Pradesh - 212107
Phone: + 91-7525006400/ 8528846666, Web:-ppgcl.co.in, Email:-ppgcl@ppgcl.co.in

FORM – V**Environment Statement for the Financial Year ending 31st March 2022****PART-A**

- (i) Name and Address of the Owner/Occupier : Mr. Brajesh Singh
of the industry or process : Prayagraj Power Generation Company Limited
Vill. - Lohgara, Tehsil- Bara
Distt – Prayagraj, Uttar Pradesh
Pin- 212107
- (ii) Industry Category : Large
- (iii) Production Capacity : 3x660 MW (Electric Thermal Power Plant)
- (iv) Year of establishment : Unit-1: 2016
Unit-2: 2016
Unit-3: 2017
- (v) Date of last Environment Statement submitted : 27.09.2021

PART-B**Water and Raw Material Consumption**

- (1) Water Consumption (m³/day)
Current Year (2021-2022)
Process : 64790.6
Domestic : 1573.4

Name of Product	Water consumption per unit of product output (m ³ /MWh)	
	During the previous financial year 2020-2021	During the current financial year 2021-2022
Electricity	2.11	2.03

- (2) Raw Material consumption

Name of raw materials	Name of Products	Consumption of raw material per unit of output (MT/MU)	
		During the previous financial year 2020-2021	During the current financial year 2021-2022
Coal	Electricity	593.83	619.07
HSD	Electricity	0.33	0.25

- (3) Electricity Generation (MUs)

Name of Product	During the previous financial year 2020-2021	During the current financial year 2021-2022
Electricity	10751.08	11654.94

PART-C
Pollution discharge to Environment/Unit of output
(Parameters as specified in consent issued)

Pollutants	Quantity of pollutants discharged (T/day)	Concentration of pollutants in discharged (mass/volume) Mg/Nm ³	Percentage of variation from prescribed standards with reasons
Water	-	-	Treated process wastewater is recycled within system. Treatment domestic effluent is used in horticulture.
Air (1)PM (2)SO ₂ (3)NOx	7.3 118.1 54.1	37.9 611.4 279.8	-

PART-D
Hazardous Waste

(As specified under Hazardous and Other waste (Management and Transboundary movement) Rules 2016)

Hazardous Waste	Total Quantity (kg)	
	During the previous financial year 2020-2021	During the current financial year 2021-2022
From Process	Cat-5.1: 15.12 kL	Cat-5.1: 40.4 kL
From Pollution Control facilities	Nil	Nil

PART-E
Solid Waste

Solid Waste	Total Quantity (MT/Annum)	
	During the previous financial year 2020-2021	During the current financial year 2021-2022
A. From Process	Nil	Nil
B. From Pollution Control facilities (Ash)	2002185	2419356
C. 1. Quantity recycled or reutilized within the unit 2. Sold 3. Recycled/Utilized	- The Fly ash is utilized in – Cement industry, for ash-based products, Low lying area and mines backfilling. - Total quantity utilized in FY 21-2007902 MT	The Fly ash is utilized in – Cement industry, for ash-based products like fly ash brick, Low lying and abandoned mine backfilling and Ash dyke raising.

		Total quantity utilized in FY 22- 2107528.77 MT
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PART-F

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.

- The Hazardous waste Used Oil (Cat- 5.1 - 40.4 kL) generated at site was sent to authorized recycler for recycling.
- Solid Waste: Fly Ash was utilized in Cement, Brick, Filling of low-lying area and backfilling of abandoned mines and ash dyke raising.

PART-G

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

- (1) Installation of ETP for the treatment of industrial effluent.
- (2) Installation of STP for the treatment of Domestic effluent.
- (3) Installation of Ash water recovery system has been implemented.

The treated effluent is recycled within the system resulting into conservation of natural resource (fresh water).

PART-H

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

- For the control of Air pollution ESP, one twin Flue stack of 275-meter height, dust extraction and dust suppression system has been installed.
- Online monitoring system has already been installed in stack to monitor SO₂, NO_x, and particulate matter.
- CAAQMS (Continuous Ambient Air Quality Monitoring System) for online ambient air monitoring has been installed.
- For the control of Water pollution ETP & STP has been installed for the treatment of Industrial and domestic effluent. Also, ash water recovery system has been established.
- Coal pile run off pit constructed.
- Green belt has been developed in and around plant premises. The species which have been planted are- Neem, Sisam, Arjun, Pipal, Banyan, Karanj, Kaner, Gulmohar, Siris, Jamun, and Bamboo. During FY 22, we have planted 25000 saplings. Till March 22 we have planted approx 3.13 lakh saplings.
- We also have developed "Miyawaki Forest" in 5650 m² area with plantation of local species.
- Environment monitoring carried out by NABL accredited laboratory.
- Dust suppression system has been installed in coal yard area. Fogging system installed at wagon tippler.

- We have installed solar streetlights, solar based garden lights and roof top solar of 204 kW at our school building.
- Solar water heaters have been installed on the roof of guest houses.
- LED lamps have been installed.
- Fly ash brick making unit has been installed under CSR activity.
- Turbo ventilators have been installed in the store and mechanical workshop.
- We have constructed rainwater harvesting ponds in the plant premises.

PART-I

Any other particulars for improving the quality of the environment.

- (i) Green Belt developed in and around the factory premises. Additional plantation is also being done.
- (ii) Good housekeeping is being maintained in and around the power plant.
- (iii) Treated effluent being recycled within the system.
- (iv) Started use of renewal energy sources and installed roof top solar.

Environment Expenditure during FY 22 – 23

Sl. No	Particular	Amount in Lakh
1	Environment monitoring	24.56
2	Green belt development	80.33
3	Online monitoring system	35.10
4	Solid waste management	32.70
5	Water sprinkling tanker	1.41
6	Biodiversity study	7.00
	Total	181.10

Roof Top Solar Installed at Hospital Building



ULR-TC66652000000 2023F



TC-6665



कम सं. / SL. NO. : 497 A 49623

विआप्रोबो / बीएआरसी वाशी कॉम्प्लेक्स,
BRIT/ BARC Vashi Complex,
सेक्टर-20, वाशी / Sec-20, Vashi,
नवी मुंबई / Navi Mumbai-400 703
www.britatom.gov.in

भारत सरकार / GOVERNMENT OF INDIA

परमाणु ऊर्जा विभाग / DEPARTMENT OF ATOMIC ENERGY

विकिरण एवं आइसोटोप प्रौद्योगिकी बोर्ड / BOARD OF RADIATION & ISOTOPE TECHNOLOGY

रेडियोसक्रियता परीक्षण प्रमाण-पत्र / RADIOACTIVITY TEST CERTIFICATE

PAGE 1 OF 1

RADIOANALYTICAL LABORATORY

Ref: BRIT/RAL/D/680-94/MISC/516-30/20-21

NOV 24, 2020

TO,
PRAYAGRAJ POWER
GENERATION COMPANY LTD.
SHATABDI BHAWAN, B 12 & 13,
SECTOR 4, GAUTAM BUDH NAGAR,
NOIDA, UTTAR PRADESH - 201301.

This is regarding the "COAL / FLY ASH / BOTTOM ASH " samples submitted by you vide letter ref.no. PPGCL/ENV/FY21/158 dt. 13.10.2020 for radioactivity analysis.

The samples were analysed for U-238, Th-232, Ra-226, K-40 & Cs-137 radioactivity content and the values obtained are as follows:

SR NO	SAMPLE DETAILS	U-238 (Bq/Kg)	Th-232 (Bq/Kg)	Ra-226 (Bq/Kg)	K-40 (Bq/Kg)	Cs-137 (Bq/Kg)
1	COAL	85.6 ± 9.3	129.3 ± 14.6	94 ± 9.9	289 ± 14.2	0.4 ± 0.6
2	FLY ASH	76.4 ± 8.8	115.4 ± 15.3	69.1 ± 8.4	225.6 ± 13.2	0.2 ± 0.4
3	BOTTOM ASH	28.8 ± 5.4	61 ± 8.1	7.1 ± 2.7	96.5 ± 7.6	1.1 ± 1.1

Date of receipt of sample : 24.10.2020

Date of completion of test : 17.11.2020

The measurement values are below the clearance level for radionuclides of natural origin in bulk solid materials, as per AERB directive 01/2010 (table-3) dated 26/11/2010.

Note: (i) The report pertains to the given sample only. (ii) The sample will be retained in this laboratory for a period of one month from certificate date and thereafter it will be disposed off. (iii) This report shall not be reproduced except in full, without written approval of the laboratory. (iv) The sampling is not done by this laboratory.

checked by:

Authorized Signatory

24-11-20

अजय एन. थाम्के / Ajay N. Thamke

वैज्ञानिक अधिकारी / Scientific Officer

रेडियोसक्रियता परीक्षण प्रयोगशाला / Radioanalytical Laboratory

विकिरण एवं आइसोटोप प्रौद्योगिकी बोर्ड

Board of Radiation & Isotope Technology

सेक्टर-20/ Sector-20 वाशी संकुल / Vashi Complex

नवी मुंबई / Navi Mumbai-400 703

****End of Report****

Above Punjab National Bank
Maihar Road, NH-7, Kuthla,
Katni – 483501 (M.P.)
CIN: U51909WB1956PTC023037
T : 07622 – 240651, 240919
E : bmdubey@mitrask.co.in
sknigam@mitrask.co.in

TEST REPORT

Name & Address of the Customer :
Prayagraj Power Generation Company Ltd.
Vill.: Khan Semra,
Tehsil : Bara,
Dist.: Prayagraj [Pin- 212107]
Uttar Pradesh.

Report No. : MSK/KTN/2022-23/FAW/0007
Date : 02/01/2023
Sample No. MSKGL/ED/2022-23/12/01113
Date Of Sample : 12/12/2022
Sample Description : FLY ASH SAMPLE
Sample Mark : Bottom Ash (Black Sample)

Ref. No. & Date : 9200000102, Dt -24/05/2021.

ANALYSIS RESULT

SL. No.	Parameter	UOM	Result	Method
1.	Aluminum Oxide (as Al ₂ O ₃)	mg/kg	3051	EPA 6010D_(O)
2.	Arsenic as As (TCLP)	None	<0.02 mg/l	EPA 1311: 1992
3.	Barium as Ba (TCLP)	None	6.4 mg/l	EPA 1311: 1992
4.	Cadmium as Cd (TCLP)	None	<0.1 mg/l	EPA 1311: 1992
5.	Calcium Oxide (as CaO)	mg/kg	1601	TPM/MSK/ P&E /2/24_(O)
6.	Chloride (as Cl)	mg/kg	110	TPM/MSK/ P&E /2/25_(O)
7.	Cobalt as Co (TCLP)	None	<0.1 mg/l	EPA 1311_(O)
8.	Copper as Cu (TCLP)	None	<0.1 mg/l	EPA 1311: 1992
9.	Fluoride (TCLP)	None	0.24 mg/l	EPA 1311_(O)
10.	Iron Oxide (as Fe ₂ O ₃)	mg/kg	41590	TPM/MSK/ P&E /2/31_(O)
11.	Iron as Fe (TCLP)	None	0.98 mg/l	EPA 1311_(O)
12.	Lead as Pb (TCLP)	None	0.18 mg/l	EPA 1311: 1992
13.	Loss on ignition	%	0.9	TPM/MSK/P&E/2/4_(O)
14.	Magnesium Oxide (as MgO)	mg/kg	747	TPM/MSK/ P&E /2/26_(O)
15.	Manganese as Mn (TCLP)	None	<0.1 mg/l	EPA 1311_(O)
16.	Mercury as Hg (TCLP)	None	<0.5 mg/l	EPA 1311: 1992
17.	Moisture content	%	23	TPM/MSK/ P&E /2/28_(O)

For Mitra S. K. Private Limited


Authorised Signatory

Prepared By: 

Above Punjab National Bank
Maihar Road, NH-7, Kuthla,
Katni – 483501 (M.P.)
CIN: U51909WB1956PTC023037
T : 07622 – 240651, 240919
E : bmdubey@mitrask.co.in
sknigam@mitrask.co.in

TEST REPORT

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Prayagraj Power Generation Company Ltd.
Vill.: Khan Semra,
Tehsil : Bara,
Dist.: Prayagraj [Pin- 212107]
Uttar Pradesh.

Report No. : MSK/KTN/2022-23/FAW/0007
Date : 02/01/2023
Sample No. MSKGL/ED/2022-23/12/01113
Date Of Sample : 12/12/2022
Sample Description : FLY ASH SAMPLE
Sample Mark : Bottom Ash (Black Sample)

Ref. No. & Date : 9200000102, Dt -24/05/2021.

ANALYSIS RESULT

SL. No.	Parameter	UOM	Result	Method
18.	Nickel as Ni (TCLP)	None	<0.1 mg/l	EPA 1311: 1992
19.	P2O5	mg/kg	1145	TPM/MSK/ P&E /2/32_(O)
20.	Permeability	%	22 cm/hrs	IS 2720 (Part 17)-1986; Rffm:2011_(O)
21.	Pottasium Oxide (as K2O)	mg/kg	235	TPM/MSK/ P&E /2/27_(O)
22.	Silicon Dioxide (as SiO2)	%	44	TPM/MSK/ P&E /2/60_(O)
23.	Sodium Oxide (as Na2O)	mg/kg	384	TPM/MSK/ P&E /2/27_(O)
24.	Specific gravity	None	2.46	IS 2720 (Part-3)-1980; Rffm:2011_(O)
25.	Sulphate as SO3	mg/kg	661	TPM/MSK/P&E/2/37_(O)
26.	Titanium Oxide (as TiO2)	mg/kg	<4.0	EPA 6010D_(O)
27.	Total Chromium as Cr (TCLP)	None	<0.1 mg/l	EPA 1311: 1992
28.	Zinc as Zn (TCLP)	None	0.20 mg/l	EPA 1311: 1992
29.	Particle Size (10 - 50)	None	66%	TPM/MSK/ P&E /5/01_(O)
30.	Particle Size (100 - 150 micron)	None	0.9%	TPM/MSK/ P&E /5/01_(O)
31.	Particle Size (50 - 75)	None	1.3%	TPM/MSK/ P&E /5/01_(O)
32.	Particle Size (75 - 100)	None	0.6%	TPM/MSK/ P&E /5/01_(O)
33.	Particle Size (<10)	None	30%	TPM/MSK/ P&E /5/01_(O)
34.	Particle Size (>150)	None	1.2%	TPM/MSK/ P&E /5/01_(O)

For Mitra S. K. Private Limited

Prepared By : 


Authorised Signatory

Above Punjab National Bank
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TEST REPORT

Name & Address of the Customer :

Prayagraj Power Generation Company Ltd.

Vill.: Khan Semra,

Tehsil : Bara,

Dist.: Prayagraj [Pin- 212107]

Uttar Pradesh.

Report No. : MSK/KTN/2022-23/FAW/0006

Date : 02/01/2023

Sample No. MSKGL/ED/2022-23/12/01112

Date Of Sample : 12/12/2022

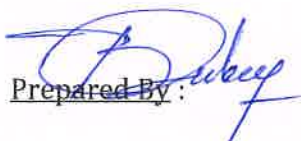
Sample Description : FLY ASH SAMPLE

Sample Mark : Flyash (White Sample)

Ref. No. & Date : 9200000102, Dt -24/05/2021.

ANALYSIS RESULT

SL. No.	Parameter	UOM	Result	Method
1.	Aluminum Oxide (as Al ₂ O ₃)	mg/kg	18316	EPA 6010D_(O)
2.	Arsenic as As (TCLP)	None	<0.02 mg/l	EPA 1311: 1992
3.	Barium as Ba (TCLP)	None	2.1 mg/l	EPA 1311: 1992
4.	Cadmium as Cd (TCLP)	None	<0.1 mg/l	EPA 1311: 1992
5.	Calcium Oxide (as CaO)	mg/kg	3244	TPM/MSK/ P&E /2/24_(O)
6.	Chloride (as Cl)	mg/kg	70	TPM/MSK/ P&E /2/25_(O)
7.	Cobalt as Co (TCLP)	None	<0.1 mg/l	EPA 1311_(O)
8.	Copper as Cu (TCLP)	None	<0.1 mg/l	EPA 1311: 1992
9.	Fluoride (TCLP)	None	0.66 mg/l	EPA 1311_(O)
10.	Iron Oxide (as Fe ₂ O ₃)	mg/kg	33593	TPM/MSK/ P&E /2/31_(O)
11.	Iron as Fe (TCLP)	None	2.8 mg/l	EPA 1311_(O)
12.	Lead as Pb (TCLP)	None	<0.1 mg/l	EPA 1311: 1992
13.	Loss on ignition	%	0.11	TPM/MSK/P&E/2/4_(O)
14.	Magnesium Oxide (as MgO)	mg/kg	1754	TPM/MSK/ P&E /2/26_(O)
15.	Manganese as Mn (TCLP)	None	0.22 mg/l	EPA 1311_(O)
16.	Mercury as Hg (TCLP)	None	<0.5 mg/l	EPA 1311: 1992
17.	Moisture content	%	5.2	TPM/MSK/ P&E /2/28_(O)

Prepared By: 

For Mitra S. K. Private Limited


Authorised Signatory

Above Punjab National Bank
Maihar Road, NH-7, Kuthla,
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CIN: U51909WB1956PTC023037
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sknigam@mitrask.co.in

TEST REPORT

Name & Address of the Customer :
Prayagraj Power Generation Company Ltd.
Vill.: Khan Semra,
Tehsil : Bara,
Dist.: Prayagraj [Pin- 212107]
Uttar Pradesh.

Report No. : MSK/KTN/2022-23/FAW/0006
Date : 02/01/2023
Sample No. MSKGL/ED/2022-23/12/01112
Date Of Sample : 12/12/2022
Sample Description : FLY ASH SAMPLE
Sample Mark : Flyash (White Sample)

Ref. No. & Date : 9200000102, Dt -24/05/2021.

ANALYSIS RESULT

SL. No.	Parameter	UOM	Result	Method
18.	Nickel as Ni (TCLP)	None	<0.1 mg/l	EPA 1311: 1992
19.	P2O5	mg/kg	2748	TPM/MSK/ P&E /2/32_(O)
20.	Permeability	%	2.4 Cm/hr	IS 2720 (Part 17)-1986; Rffm:2011_(O)
21.	Pottasium Oxide (as K2O)	mg/kg	910	TPM/MSK/ P&E /2/27_(O)
22.	Silicon Dioxide (as SiO2)	%	42	TPM/MSK/ P&E /2/60_(O)
23.	Sodium Oxide (as Na2O)	mg/kg	307	TPM/MSK/ P&E /2/27_(O)
24.	Specific gravity	None	2.11	IS 2720 (Part-3)-1980; Rffm:2011_(O)
25.	Sulphate as SO3	mg/kg	1316	TPM/MSK/P&E/2/37_(O)
26.	Titanium Oxide (as TiO2)	mg/kg	<4.0	EPA 6010D_(O)
27.	Total Chromium as Cr (TCLP)	None	<0.1 mg/l	EPA 1311: 1992
28.	Zinc as Zn (TCLP)	None	0.34 mg/l	EPA 1311: 1992
29.	Particle Size (10 - 50)	None	0.1%	TPM/MSK/ P&E /5/01_(O)
30.	Particle Size (100 - 150 micron)	None	3.3%	TPM/MSK/ P&E /5/01_(O)
31.	Particle Size (50 - 75)	None	3.1%	TPM/MSK/ P&E /5/01_(O)
32.	Particle Size (75 - 100)	None	2.0%	TPM/MSK/ P&E /5/01_(O)
33.	Particle Size (<10)	None	1.5%	TPM/MSK/ P&E /5/01_(O)
34.	Particle Size (>150)	None	90%	TPM/MSK/ P&E /5/01_(O)

Prepared By: 

For Mitra S. K. Private Limited


Authorised Signatory