



**NORTH KARANPURA CBM PROJECT**  
(CONSORTIUM OF ONGC, IOCL AND PEL )

PEL/NKCBM/HSE/MOEFCC/2025/01

Date: 07<sup>th</sup> May 2025

To,  
The Member Secretary  
Jharkhand State Pollution Control Board  
Township Building, HEC Complex, Dhurva  
Ranchi - 834004  
Jharkhand

**Subject: Environmental Statement for the financial year ending 31<sup>st</sup> March 2025 in FORM V for "Development of North Karanpura CBM Block NK-CBM-2001/1 in Jharkhand State".**

Dear Sir,

Kindly find attached herein the Environmental Statement for the financial year ending 31<sup>st</sup> March 2025 in FORM V as mandated vide General Conditions of the environmental clearance granted by MoEFCC vide Ministry's letter no. J - 11011/228/2012 - IA. II (I) dated 12th May 2015.

Thanking you,

Yours truly,

For Prabha Energy Limited

Dr. Shailendra K Singh

Sr. Vice President (Operations)



CC:

- 1) The Ministry of Environment, Forest and Climate Change, Integrated Regional Office, (New Building of Jharkhand Rajya Awaas Board), Harmu, Ranchi-834002, Jharkhand

**Enclosure:** Environmental Statement for the financial year ending 31<sup>st</sup> March 2025

1. Ambient Air Report
2. Stack Monitoring Report
3. Effluent Water Report

# ENVIRONMENTAL STATEMENT FORM-V

(See rule 14)

Environmental Statement for the financial year ending with 31<sup>st</sup> March 2025

## PART-A

- a) Name and address of the owner/  
Occupier of the industry  
Operation or process : **Prabha Energy Limited,  
12A, Abhishree Corporate Park  
Opposite Swagat Bunglows BRTS Bus  
Stop, Ambli - Bopal Road, Ambli,  
Ahmedabad, Gujarat- 380058**
- b) Industry category Primary-  
(STC Code) Secondary- (SIC Code) : **Red**
- c) Production category-Units. : **Not Applicable**
- d) Year of establishment : **2017 (Preparatory arrangements  
commenced)**
- e) Date of the last Environmental  
Statement submitted. : **15<sup>th</sup> April 2024**



## PART -B

- a) Water and Raw Material Consumption : Fresh Water required for Cementing, Effluent Water required for Drilling and Hydro-fracturing operation.

*(However, all operations in North Karanpura CBM Block have been suspended from 1st April 2024 to 31<sup>st</sup> March 2025 due to future planning and preparatory measures)*

- b) Water consumption in m<sup>3</sup>/d : 3m<sup>3</sup>/day
- Process :  
Cooling :  
Domestic : 3m<sup>3</sup>/day

Name of Products	Process water consumption per unit of products	
	During the previous financial year	During the current financial year
Coal-bed Methane (CBM) Gas	Not Applicable	Not Applicable

- c) Raw material consumption

Name of raw materials	Name of Products	Consumption of raw material per unit of output	
		During the previous financial year	During the current financial year
There are no raw materials involved in the production of CBM gas. Naturally occurring CBM Gas is extracted from the coal seams at well pads.		Nil	Nil



## PART-C

a) Pollution discharged to environment/ Unit of output : **No pollution is discharged to environment**

(Parameter as specified in the consent is used)

Pollutants	Quantity of Pollutants discharged (mass/day)	Concentration of Pollutants discharged (mass/volume)	Percentage of variation from prescribed standards with reasons.
(a) Water	595.7797534m <sup>3</sup> /day water has been discharged through CBM production.	The discharged water is analyzed periodically and meets the standards set by CPCB	There are no variations
(b) Air (Gas Genset 62.5 KVA)	Average velocity of flue emission is 16.9 m/s	Ambient Air and Stack Emission is analyzed periodically and meet the standards set by CPCB (EPA)	There are no variations

## PART-D

a) Hazardous Wastes : **No Hazardous Waste is discharged to environment**

As specified under Hazardous Wastes (Management & Handling Rules, 1989).

Hazardous Wastes	Total Quantity (Kg)	
	During the previous financial year	During the current financial year
i. From Process	Not Applicable	Not Applicable
ii. From Pollution Control Facilities		



## PART – E

a) Solid Waste : Drill cuttings are Solid Waste

Solid Wastes	Total Quantity (m3)	
	During the previous financial year	During the current financial year
i. From process	0 m <sup>3</sup>	0 m <sup>3</sup>
ii. From Pollution Control Facility	Not Applicable	Not Applicable
iii. Quantity recycled or reutilized within the unit.	Not Applicable	Not Applicable

*(Drilling Operation in North Karanpura CBM Block has been suspended from 1<sup>st</sup> April 2024 to 31<sup>st</sup> March 2025 due to future planning and preparatory measures, so no solid waste generated in the year)*

## 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.

- Hazardous Waste: Presently no hazardous waste is generated.
- Non-Hazardous Waste: Drill cuttings are non-hazardous inert material and are being used for construction activities like back filling of low lying areas, construction of well pads, road filling etc.

*However, Drilling Operation in North Karanpura CBM Block has been suspended from 1<sup>st</sup> April 2024 to 31<sup>st</sup> March 2025, so no drill cuttings were generated during the year."*



## **PART-G**

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

**Not Applicable**

## **PART - H**

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

**No pollution is generated from drilling Process**

## **PART -I**

Any other particulars for improving the quality of environment.

**Tree plantation taken up along existing well sites.**





## Test Report

<b>ULR No.:</b>	T	C	1	5	2	9	2	2	5	0	0	0	0	8	6	5	
<b>Discipline:</b> Chemical	<b>Group:</b> Atmospheric Pollution						<b>Sub-Group:</b> Stack Emission										
<b>Report Issue Date:</b> 08-03-2025								<b>Test Report No.:</b> RN-240930003S01									
<b>Sample ID:</b> 250305AP04001								<b>Sample Description:</b> Stack Emission (DG)									
<b>Challan No./P.O. No.:</b> N/A								<b>Challan No./ P.No. Date:</b> 30-09-2024									
<b>Issued to:</b> PRABHA ENERGY LTD.(PEL), 4th FLOOR, RISHAB COMPLEX OPPOSITE ASHOK NAGAR ROAD NO.4 LANDMARK ABOVE BANK OF INDIA, RANCHI, JHARKHAND 834002																	
<b>Type of Industry:</b> Energy								<b>Customer Representative:</b> RANJAN KUMAR									
<b>Sample Drawn by:</b> IEM Team								<b>Sampling Date:</b> 05-03-2024									
<b>Sampling Protocol:</b> CPCB Guideline (LATS/80/2013-14) & IS Method 11255 Series & IS 13270																	
<b>Field Meteorological Information</b>					<b>A. Temp. (°C):</b> 26			<b>R.H. (%):</b> 59			<b>W.C.:</b> Sunny			<b>W.D.:</b> NW to SE			
<b>Sample Receiving Date:</b> 05-03-2025					<b>Testing Started:</b> 05-03-2025					<b>Testing Ended:</b> 08-03-2025							

### General Physical Information

<b>Stack Identification</b>	NK#6 (63 KVA)	<b>Stack Height from Ground Level (m)</b>	1.828
<b>Emission Due to</b>	Combustion of Methane	<b>Port Hole Height from Ground Level (m)</b>	1.828
<b>Plat Form</b>	Temporary	<b>Inner Dimension of Stack (m)</b>	0.08
<b>Stack Description</b>	Single	<b>Type of Fuel Used</b>	Methane
<b>Shape of Stack</b>	Circular	<b>Quantity of Fuel</b>	-----
<b>Construction Material</b>	MS	<b>Production Capacity</b>	-----
<b>Sampling Port</b>	Available	<b>Pollution Control Device (if any)</b>	-----
<b>Flue Gas Temperature (K):</b> 409		<b>Flue Gas Velocity (m/s):</b> 16.9	
<b>Flue Gas Volumetric Flow Rate (Nm<sup>3</sup>/hr):</b> 216.7			

### Test Result

Sl. NO.	Parameters	Test Methods	Unit	Result	Norms**
1.	Particulates Matter (PM)	IS 11255 (Part-1)	g/kw-hr	0.24	≤0.3
2.	Oxides of Nitrogen (NO <sub>2</sub> )	IS 11255 (Part-7)	g/kw-hr	0.40	--
3.	Carbon Monoxide (CO)	IS 13270	g/kw-hr	0.40	≤3.5

### ---End of Report---

<b>Env. Condition of Lab.</b>	Laboratory is maintaining Temperature 27± 2°C and Relative Humidity 65±5 % in all testing area as per IS 196:1966(C).
<b>Abbreviation</b>	MDL: Minimum Detection Limit, BDL: Below Detection Limit
<b>Norms** is specified</b>	System And Procedure For Compliance To Revised Emission Standards (Dated: 03/11/2022) '---' Indicates Not Mentioned In CPCB Guidelines.
<b>Remark</b>	---

Tested By: Akanksha Sourabh

Sample Drawn By: Rajiv Singh & team

#### Specific Contractual Notes: -

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On the basis of Quality Checked and Technical data verified by the Authorized signatory, the report is issued by the Director of the Organization.

Reviewed by	Authorized Signatory
(Tauqeer Ahmad)	(Dr. S. C. Jain)
Technical Manager	Director

Corporate office - A-8, Modi Heights, Opp. All India Radio Station, Ratu Road, Ranchi, Jharkhand - 834001



## Test Report

Discipline: Chemical		Group: Atmospheric Pollution		Sub-Group: Stack Emission	
Report Issue Date: 08-03-2025			Test Report No.: RN-240930003S01		
Sample ID: 250305AP04001			Sample Description: Stack Emission (DG)		
Challan No./P.O. No.: N/A			Challan No./ P.No. Date: 30-09-2024		
Issued to: PRABHA ENERGY LTD.(PEL), 4th FLOOR, RISHAB COMPLEX OPPOSITE ASHOK NAGAR ROAD NO.4 LANDMARK ABOVE BANK OF INDIA, RANCHI, JHARKHAND 834002					
Type of Industry: Energy			Customer Representative: RANJAN KUMAR		
Sample Drawn by: IEM Team			Sampling Date: 05-03-2024		
Sampling Protocol: CPCB Guideline (LATS/80/2013-14) & IS Method 11255 Series					
Field Meteorological Information		A. Temp. (°C): 26	R.H. (%): 59	W.C.: Sunny	W.D.: NW to SE
Sample Receiving Date: 05-03-2025		Testing Started: 05-03-2025		Testing Ended: 08-03-2025	

### General Physical Information

Stack Identification	NK#6 (63 KVA)	Stack Height from Ground Level (m)	1.828
Emission Due to	Combustion of Methane	Port Hole Height from Ground Level (m)	1.828
Plat Form	Temporary	Inner Dimension of Stack (m)	0.08
Stack Description	Single	Type of Fuel Used	Methane
Shape of Stack	Circular	Quantity of Fuel	-----
Construction Material	MS	Production Capacity	-----
Sampling Port	Available	Pollution Control Device (if any)	-----

Flue Gas Temperature (K): 409	Flue Gas Velocity (m/s): 16.9	Flue Gas Volumetric Flow Rate (Nm <sup>3</sup> /hr): 216.7
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### Test Result

Sl. NO.	Parameters	Test Methods	Unit	Result	Norms**
4.	Total Hydrocarbon (THC)	IEM/SOP/AIR	g/kw-hr	0.36	---
5.	Smoke Limit	IEM/SOP/AIR	m-1	0.02	≤0.7

### ---End of Report---

Env. Condition of Lab.	Laboratory is maintaining Temperature 27± 2°C and Relative Humidity 65±5 % in all testing area as per IS 196:1966(C).
Abbreviation	MDL: Minimum Detection Limit, BDL: Below Detection Limit
Norms** is specified	System And Procedure For Compliance To Revised Emission Standards (Dated: 03/11/2022) '---' Indicates Not Mentioned In CPCB Guidelines.
Remark	---



Tested By: Akanksha Sourabh

Sample Drawn By: Rajiv Singh & team

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On the basis of Quality Checked and Technical data verified by the Authorized signatory, the report is issued by the Director of the Organization.

Reviewed by	Authorized Signatory
	
(Tauqeer Ahmad)	(Dr. S. C. Jain)
Technical Manager	Director

Corporate office - A-8, Modi Heights, Opp.-All India Radio Station, Ratu Road, Ranchi, Jharkhand - 834001

Page 2 of 2

Laboratory Site - H.No. - A-13, Saket Vihar, Near Sohrai Bhawan, Harmu Housing Colony,  
Ranchi-834002, Jharkhand, India

Ph - 8407804253, 8407804251, Email - [iem2012@rediffmail.com](mailto:iem2012@rediffmail.com)



## Test Report

ULR No.:	T	C	1	5	2	9	2	2	5	0	0	0	0	0	8	6	6
Discipline: Chemical			Group: Atmospheric Pollution						Sub-Group: Stack Emission								
Report Issue Date: 08-03-2025									Test Report No.: RN-240930003S02								
Sample ID: 250305AP04002									Sample Description: Stack Emission (DG)								
Challan No./P.O. No.: N/A									Challan No./ P.No. Date: 30-09-2024								
<b>Issued to:</b> PRABHA ENERGY LTD.(PEL), 4th FLOOR, RISHAB COMPLEX OPPOSITE ASHOK NAGAR ROAD NO.4 LANDMARK ABOVE BANK OF INDIA, RANCHI, JHARKHAND 834002																	
Type of Industry: Energy									Customer Representative: RANJAN KUMAR								
Sample Drawn by: IEM Team									Sampling Date: 05-03-2024								
Sampling Protocol: CPCB Guideline (LATS/80/2013-14) & IS Method 11255 Series & IS 13270																	
Field Meteorological Information			A. Temp. (°C): 26			R.H. (%): 59			W.C.: Sunny			W.D.: NW to SE					
Sample Receiving Date: 05-03-2025						Testing Started: 05-03-2025						Testing Ended: 08-03-2025					

### General Physical Information

Stack Identification	NK#40 (63 KVA)	Stack Height from Ground Level (m)	1.828
Emission Due to	Combustion of Methane	Port Hole Height from Ground Level (m)	1.828
Plat Form	Temporary	Inner Dimension of Stack (m)	0.08
Stack Description	Single	Type of Fuel Used	Methane
Shape of Stack	Circular	Quantity of Fuel	-----
Construction Material	MS	Production Capacity	-----
Sampling Port	Available	Pollution Control Device (if any)	-----
Flue Gas Temperature (K): 402		Flue Gas Velocity (m/s): 17.4	
Flue Gas Volumetric Flow Rate (Nm <sup>3</sup> /hr): 227.0			

### Test Result

Sl. NO.	Parameters	Test Methods	Unit	Result	Norms**
1.	Particulates Matter (PM)	IS 11255 (Part-1)	g/kw-hr	0.25	≤0.3
2.	Oxides of Nitrogen (NO <sub>2</sub> )	IS 11255 (Part-7)	g/kw-hr	0.41	--
3.	Carbon Monoxide (CO)	IS 13270	g/kw-hr	0.74	≤3.5

---End of Report---

Env. Condition of Lab.	Laboratory is maintaining Temperature 27± 2°C and Relative Humidity 65±5 % in all testing area as per IS 196:1966(C).
Abbreviation	MDL: Minimum Detection Limit, BDL: Below Detection Limit
Norms** is specified	System And Procedure For Compliance To Revised Emission Standards (Dated: 03/11/2022) '—' Indicates Not Mentioned In CPCB Guidelines.
Remark	---

Tested By: Akanksha Sourabh

Sample Drawn By: Rajiv Singh & team

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Reviewed by

Authorized Signatory

*T. Ahmad*

*Dr. S. C. Jain*

(Tauqeer Ahmad)

(Dr. S. C. Jain)

Technical Manager

Director



## Test Report

<b>Discipline:</b> Chemical	<b>Group:</b> Atmospheric Pollution	<b>Sub-Group:</b> Stack Emission		
<b>Report Issue Date:</b> 08-03-2025	<b>Test Report No.:</b> RN-240930003S02			
<b>Sample ID:</b> 250305AP04002	<b>Sample Description:</b> Stack Emission (DG)			
<b>Challan No./P.O. No.:</b> N/A	<b>Challan No./ P.No. Date:</b> 30-09-2024			
<b>Issued to:</b> PRABHA ENERGY LTD.(PEL), 4th FLOOR, RISHAB COMPLEX OPPOSITE ASHOK NAGAR ROAD NO.4 LANDMARK ABOVE BANK OF INDIA, RANCHI, JHARKHAND 834002				
<b>Type of Industry:</b> Energy	<b>Customer Representative:</b> RANJAN KUMAR			
<b>Sample Drawn by:</b> IEM Team	<b>Sampling Date:</b> 05-03-2024			
<b>Sampling Protocol:</b> CPCB Guideline (LATS/80/2013-14) & IS Method 11255 Series				
<b>Field Meteorological Information</b>	<b>A. Temp. (°C):</b> 26	<b>R.H. (%):</b> 59	<b>W.C.:</b> Sunny	<b>W.D.:</b> NW to SE
<b>Sample Receiving Date:</b> 05-03-2025	<b>Testing Started:</b> 05-03-2025	<b>Testing Ended:</b> 08-03-2025		

### General Physical Information

<b>Stack Identification</b>	NK#40 (63 KVA)	<b>Stack Height from Ground Level (m)</b>	1.828
<b>Emission Due to</b>	Combustion of Methane	<b>Port Hole Height from Ground Level (m)</b>	1.828
<b>Plat Form</b>	Temporary	<b>Inner Dimension of Stack (m)</b>	0.08
<b>Stack Description</b>	Single	<b>Type of Fuel Used</b>	Methane
<b>Shape of Stack</b>	Circular	<b>Quantity of Fuel</b>	----
<b>Construction Material</b>	MS	<b>Production Capacity</b>	----
<b>Sampling Port</b>	Available	<b>Pollution Control Device (if any)</b>	----
<b>Flue Gas Temperature (K):</b> 402	<b>Flue Gas Velocity (m/s):</b> 17.4	<b>Flue Gas Volumetric Flow Rate (Nm<sup>3</sup>/hr):</b> 227.0	

### Test Result

Sl. NO.	Parameters	Test Methods	Unit	Result	Norms**
4.	Total Hydrocarbon (THC)	IEM/SOP/AIR	g/kw-hr	0.38	---
5.	Smoke Limit	IEM/SOP/AIR	m-1	0.02	≤0.7

### ---End of Report---

<b>Env. Condition of Lab.</b>	Laboratory is maintaining Temperature 27± 2°C and Relative Humidity 65±5 % in all testing area as per IS 196:1966(C).
<b>Abbreviation</b>	MDL: Minimum Detection Limit, BDL: Below Detection Limit
<b>Norms** is specified</b>	System And Procedure For Compliance To Revised Emission Standards (Dated: 03/11/2022) '—' Indicates Not Mentioned In CPCB Guidelines.
<b>Remark</b>	---

Tested By: Akanksha Sourabh

Sample Drawn By: Rajiv Singh & team

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Corporate office - A-8, Modi Heights, Opp. All India Radio Station, Ratu Road, Ranchi, Jharkhand - 834001

Reviewed by

Authorized Signatory

T. Ahmad

(Dr. S. C. Jain)

(Tauqeer Ahmad)

(Dr. S. C. Jain)

Technical Manager

Director



## Test Report

ULR No.:	T	C	1	5	2	9	2	2	5	0	0	0	0	0	8	6	7
<b>Discipline:</b> Chemical						<b>Group:</b> Atmospheric Pollution						<b>Sub-Group:</b> Stack Emission					
<b>Report Issue Date:</b> 08-03-2025									<b>Test Report No.:</b> RN-240930003S03								
<b>Sample ID:</b> 250305AP04003									<b>Sample Description:</b> Stack Emission (DG)								
<b>Challan No./P.O. No.:</b> N/A									<b>Challan No./ P.No. Date:</b> 30-09-2024								
<b>Issued to:</b> PRABHA ENERGY LTD.(PEL), 4th FLOOR, RISHAB COMPLEX OPPOSITE ASHOK NAGAR ROAD NO.4 LANDMARK ABOVE BANK OF INDIA, RANCHI, JHARKHAND 834002																	
<b>Type of Industry:</b> Energy									<b>Customer Representative:</b> RANJAN KUMAR								
<b>Sample Drawn by:</b> IEM Team									<b>Sampling Date:</b> 05-03-2024								
<b>Protocol:</b> CPCB Guideline (LATS/80/2013-14) & IS Method 11255 Series																	
<b>Field Meteorological Information</b>						<b>A. Temp. (°C):</b> 26			<b>R.H. (%):</b> 59			<b>W.C.:</b> Sunny			<b>W.D.:</b> NW to SE		
<b>Sample Receiving Date:</b> 05-03-2025						<b>Testing Started:</b> 05-03-2025						<b>Testing Ended:</b> 08-03-2025					

### General Physical Information

<b>Stack Identification</b>	NK #64 (63 KVA)	<b>Stack Height from Ground Level (m)</b>	1.828
<b>Emission Due to</b>	Combustion of Methane	<b>Port Hole Height from Ground Level (m)</b>	1.828
<b>Plat Form</b>	Temporary	<b>Inner Dimension of Stack (m)</b>	0.08
<b>Stack Description</b>	Single	<b>Type of Fuel Used</b>	Methane
<b>Shape of Stack</b>	Circular	<b>Quantity of Fuel</b>	-----
<b>Construction Material</b>	MS	<b>Production Capacity</b>	-----
<b>Sampling Port</b>	Available	<b>Pollution Control Device (if any)</b>	-----

**Flue Gas Temperature (K):** 417      **Flue Gas Velocity (m/s):** 16.3      **Flue Gas Volumetric Flow Rate (Nm<sup>3</sup>/hr):** 204.0

### Test Result

Sl. NO.	Parameters	Test Methods	Unit	Result	Norms**
1.	Particulates Matter (PM)	IS 11255 (Part-1)	g/kw-hr	0.26	≤0.3
2.	Oxides of Nitrogen (NO <sub>2</sub> )	IS 11255 (Part-7)	g/kw-hr	0.08	--
3.	Carbon Monoxide (CO)	IS 13270	g/kw-hr	0.70	≤3.5

### ---End of Report---

<b>Env. Condition of Lab.</b>	Laboratory is maintaining Temperature 27± 2°C and Relative Humidity 65±5 % in all testing area as per IS 196:1966(C).
<b>Abbreviation</b>	MDL: Minimum Detection Limit. BDL: Below Detection Limit
<b>Norms** is specified</b>	System And Procedure For Compliance To Revised Emission Standards (Dated: 03/11/2022) '—' Indicates Not Mentioned In CPCB Guidelines.
<b>Remark</b>	---

**Tested By:** Akanksha Sourabh

**Sample Drawn By:** Rajiv Singh & team

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Reviewed by	Authorized Signatory
(Tauqeer Ahmad)	(Dr. S. C. Jain)
Technical Manager	Director



## Test Report

<b>Discipline:</b> Chemical		<b>Group:</b> Atmospheric Pollution		<b>Sub-Group:</b> Stack Emission	
<b>Report Issue Date:</b> 08-03-2025			<b>Test Report No.:</b> RN-240930003S03		
<b>Sample ID:</b> 250305AP04003			<b>Sample Description:</b> Stack Emission (DG)		
<b>Challan No./P.O. No.:</b> N/A			<b>Challan No./ P.No. Date:</b> 30-09-2024		
<b>Issued to:</b> PRABHA ENERGY LTD.(PEL), 4th FLOOR, RISHAB COMPLEX OPPOSITE ASHOK NAGAR ROAD NO.4 LANDMARK ABOVE BANK OF INDIA, RANCHI, JHARKHAND 834002					
<b>Type of Industry:</b> Energy			<b>Customer Representative:</b> RANJAN KUMAR		
<b>Sample Drawn by:</b> IEM Team			<b>Sampling Date:</b> 05-03-2024		
<b>Sampling Protocol:</b> CPCB Guideline (LATS/80/2013-14) & IS Method 11255 Series					
<b>Field Meteorological Information</b>		<b>A. Temp. (°C):</b> 26	<b>R.H. (%):</b> 59	<b>W.C.:</b> Sunny	<b>W.D.:</b> NW to SE
<b>Sample Receiving Date:</b> 05-03-2025		<b>Testing Started:</b> 05-03-2025		<b>Testing Ended:</b> 08-03-2025	

### General Physical Information

<b>Stack Identification</b>	NK #64 (63 KVA)	<b>Stack Height from Ground Level (m)</b>	1.828
<b>Emission Due to</b>	Combustion of Methane	<b>Port Hole Height from Ground Level (m)</b>	1.828
<b>Plat Form</b>	Temporary	<b>Inner Dimension of Stack (m)</b>	0.08
<b>Stack Description</b>	Single	<b>Type of Fuel Used</b>	Methane
<b>Shape of Stack</b>	Circular	<b>Quantity of Fuel</b>	----
<b>Construction Material</b>	MS	<b>Production Capacity</b>	----
<b>Sampling Port</b>	Available	<b>Pollution Control Device (if any)</b>	----
<b>Flue Gas Temperature (K):</b> 417		<b>Flue Gas Velocity (m/s):</b> 16.3	<b>Flue Gas Volumetric Flow Rate (Nm<sup>3</sup>/hr):</b> 204.0

### Test Result

Sl. NO.	Parameters	Test Methods	Unit	Result	Norms**
4.	Total Hydrocarbon (THC)	IEM/SOP/AIR	g/kw-hr	0.33	---
5.	Smoke Limit	IEM/SOP/AIR	m-1	0.02	≤0.7

----End of Report----

<b>Env. Condition of Lab.</b>	Laboratory is maintaining Temperature 27± 2°C and Relative Humidity 65±5 % in all testing area as per IS 196:1966(C).
<b>Abbreviation</b>	MDL: Minimum Detection Limit, BDL: Below Detection Limit
<b>Norms** is specified</b>	System And Procedure For Compliance To Revised Emission Standards (Dated: 03/11/2022) '—' Indicates Not Mentioned In CPCB Guidelines.
<b>Remark</b>	---

Tested By: Akanksha Sourabh

Sample Drawn By: Rajiv Singh & team

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On the basis of Quality Checked and Technical data verified by the Authorized signatory, the report is issued by the Director of the Organization.

Reviewed by	Authorized Signatory
(Tauqeer Ahmad)	(Dr. S. C. Jain)
Technical Manager	Director

Corporate office - A-8, Modi Heights, Opp.-All India Radio Station, Ratu Road, Ranchi, Jharkhand - 834001



## Test Report

ULR No.:	T	C	1	5	2	9	2	2	5	0	0	0	0	0	0	8	6	8
Discipline: Chemical					Group: Atmospheric Pollution					Sub-Group: Stack Emission								
Report Issue Date: 08-03-2025										Test Report No.: RN-240930003S04								
Sample ID: 250305AP04004										Sample Description: Stack Emission (DG)								
Challan No./P.O. No.: N/A										Challan No./ P.No. Date: 30-09-2024								
<b>Issued to:</b> PRABHA ENERGY LTD.(PEL), 4th FLOOR, RISHAB COMPLEX OPPOSITE ASHOK NAGAR ROAD NO.4 LANDMARK ABOVE BANK OF INDIA, RANCHI, JHARKHAND 834002																		
Type of Industry: Energy										Customer Representative: RANJAN KUMAR								
Sample Drawn by: IEM Team										Sampling Date: 05-03-2024								
Protocol: CPCB Guideline (LATS/80/2013-14) & IS Method 11255 Series																		
Field Meteorological Information					A. Temp. (°C): 26				R.H. (%): 59			W.C.: Sunny			W.D.: NW to SE			
Sample Receiving Date: 05-03-2025					Testing Started: 05-03-2025					Testing Ended: 08-03-2025								

### General Physical Information

Stack Identification	NK #10 (63 KVA)	Stack Height from Ground Level (m)	1.828
Emission Due to	Combustion of Methane	Port Hole Height from Ground Level (m)	1.828
Plat Form	Temporary	Inner Dimension of Stack (m)	0.08
Stack Description	Single	Type of Fuel Used	Methane
Shape of Stack	Circular	Quantity of Fuel	-----
Construction Material	MS	Production Capacity	-----
Sampling Port	Available	Pollution Control Device (if any)	-----

Flue Gas Temperature (K): 408	Flue Gas Velocity (m/s): 16.2	Flue Gas Volumetric Flow Rate (Nm <sup>3</sup> /hr): 207.5
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### Test Result

Sl. NO.	Parameters	Test Methods	Unit	Result	Norms**
1.	Particulates Matter (PM)	IS 11255 (Part-1)	g/kw-hr	0.23	≤0.3
2.	Oxides of Nitrogen (NO <sub>2</sub> )	IS 11255 (Part-7)	g/kw-hr	0.08	--
3.	Carbon Monoxide (CO)	IS 13270	g/kw-hr	0.70	≤3.5

---End of Report---

Env. Condition of Lab.	Laboratory is maintaining Temperature 27± 2°C and Relative Humidity 65±5 % in all testing area as per IS 196:1966(C).
Abbreviation	MDL: Minimum Detection Limit, BDL: Below Detection Limit
Norms** is specified	System And Procedure For Compliance To Revised Emission Standards (Dated: 03/11/2022) '—' Indicates Not Mentioned In CPCB Guidelines.
Remark	---

Tested By: Akanksha Sourabh

Sample Drawn By: Rajiv Singh & team

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On the basis of Quality Checked and Technical data verified by the Authorized signatory, the report is issued by the Director of the Organization.

Corporate office - A-8, Modi Heights, Opp. All India Radio Station, Ratu Road, Ranchi, Jharkhand - 834001

Reviewed by	Authorized Signatory
(Tauqeer Ahmad)	(Dr. S. C. Jain)
Technical Manager	Director



## Test Report

<b>Discipline:</b> Chemical	<b>Group:</b> Atmospheric Pollution	<b>Sub-Group:</b> Stack Emission
<b>Report Issue Date:</b> 08-03-2025	<b>Test Report No.:</b> RN-240930003S04	
<b>Sample ID:</b> 250305AP04004	<b>Sample Description:</b> Stack Emission (DG)	
<b>Challan No./P.O. No.:</b> N/A	<b>Challan No./ P.No. Date:</b> 30-09-2024	
<b>Issued to:</b> PRABHA ENERGY LTD.(PEL), 4th FLOOR, RISHAB COMPLEX OPPOSITE ASHOK NAGAR ROAD NO.4 LANDMARK ABOVE BANK OF INDIA, RANCHI, JHARKHAND 834002		
<b>Type of Industry:</b> Energy	<b>Customer Representative:</b> RANJAN KUMAR	
<b>Sample Drawn by:</b> IEM Team	<b>Sampling Date:</b> 05-03-2024	
<b>Sampling Protocol:</b> CPCB Guideline (LATS/80/2013-14) & IS Method 11255 Series		
<b>Field Meteorological Information</b>	<b>A. Temp. (°C):</b> 26	<b>R.H. (%):</b> 59
	<b>W.C.:</b> Sunny	<b>W.D.:</b> NW to SE
<b>Sample Receiving Date:</b> 05-03-2025	<b>Testing Started:</b> 05-03-2025	<b>Testing Ended:</b> 08-03-2025

### General Physical Information

<b>Stack Identification</b>	NK #10 (63 KVA)	<b>Stack Height from Ground Level (m)</b>	1.828
<b>Emission Due to</b>	Combustion of Methane	<b>Port Hole Height from Ground Level (m)</b>	1.828
<b>Plat Form</b>	Temporary	<b>Inner Dimension of Stack (m)</b>	0.08
<b>Stack Description</b>	Single	<b>Type of Fuel Used</b>	Methane
<b>Shape of Stack</b>	Circular	<b>Quantity of Fuel</b>	----
<b>Construction Material</b>	MS	<b>Production Capacity</b>	----
<b>Sampling Port</b>	Available	<b>Pollution Control Device (if any)</b>	----

**Flue Gas Temperature (K):** 408      **Flue Gas Velocity (m/s):** 16.2      **Flue Gas Volumetric Flow Rate (Nm<sup>3</sup>/hr):** 207.5

### Test Result

Sl. NO.	Parameters	Test Methods	Unit	Result	Norms**
4.	Total Hydrocarbon (THC)	IEM/SOP/AIR	g/kw-hr	0.34	---
5.	Smoke Limit	IEM/SOP/AIR	m-1	0.02	≤0.7

### ---End of Report---

<b>Env. Condition of Lab.</b>	Laboratory is maintaining Temperature 27± 2°C and Relative Humidity 65±5 % in all testing area as per IS 196:1966(C).
<b>Abbreviation</b>	MDL: Minimum Detection Limit, BDL: Below Detection Limit
<b>Norms** is specified</b>	System And Procedure For Compliance To Revised Emission Standards (Dated: 03/11/2022) '—' Indicates Not Mentioned In CPCB Guidelines.
<b>Remark</b>	---

**Tested By:** Akanksha Sourabh

**Sample Drawn By:** Rajiv Singh & team

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Page 2 of 2

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Ranchi-834002, Jharkhand, India

Ph - 8407804253, 8407804251, Email - [iem2012@rediffmail.com](mailto:iem2012@rediffmail.com)

Reviewed by

Authorized Signatory

T. Ahmad

(Dr. S. C. Jain)

(Tauqeer Ahmad)

(Dr. S. C. Jain)

Technical Manager

Director



## Test Report

ULR No.:	T	C	1	5	2	9	2	2	5	0	0	0	0	0	0	8	7	3	
<b>Discipline:</b> Chemical			<b>Group:</b> Pollution & Environment						<b>Sub-Group:</b> Waste Water										
<b>Report Issue Date:</b> 08-03-2025										<b>Test Report No.:</b> RN-240930003WW01									
<b>Sample ID:</b> 250305PE01001										<b>Sample Description:</b> Effluent									
<b>Challan No./P.O. No.:</b> N/A										<b>Challan No./ P.No. Date:</b> 30-09-2024									
<b>Issued to:</b> PRABHA ENERGY LTD.(PEL), 4th FLOOR, RISHAB COMPLEX OPPOSITE ASHOK NAGAR ROAD NO.4 LANDMARK ABOVE BANK OF INDIA, RANCHI, JHARKHAND 834002																			
<b>Type of Industry:</b> Energy										<b>Customer Representative:</b> RANJAN KUMAR									
<b>Sample Drawn by:</b> IEM Team										<b>Sampling Date:</b> 05-03-2025									
<b>Sampling Protocol:</b> CPCB Guideline & IS Method 3025 Series																			
<b>Sampling Location:</b> NK # 10																			
<b>Sample Receiving Date:</b> 05-03-2025						<b>Testing Started:</b> 05-03-2025						<b>Testing Ended:</b> 08-03-2025							

----Test Result----

Sl. No.	Tested Parameters	Unit	Method No.	Norms**	Results
1.	pH value at 25°C	----	IS 3025 (Part-11)	5.5 to 9.0	7.6
2.	Total Suspended Solids (TSS)	mg/l	IS 3025 (Part-17)	100	35
3.	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part-16)	--	602
4.	Biological Oxygen Demand (BOD)	mg/l	IS 3025 (Part-44)	30	19.7
5.	Chemical Oxygen Demand (COD)	mg/l	IS 3025 (Part-58)	250	44
6.	Sulphate (as SO <sub>4</sub> )	mg/l	IS 3025 (Part-24)	--	18.2
7.	Copper	mg/l	APHA: 3111B.2023	3.0	BDL(MDL-0.2)
8.	Lead	mg/l	APHA: 3111B.2023	0.1	BDL(MDL-0.2)
9.	Zinc	mg/l	APHA: 3111B.2023	5.0	BDL(MDL-0.2)
10.	Nickel	mg/l	APHA: 3111B.2023	3.0	BDL(MDL-0.2)
11.	Chloride	mg/l	IS 3025 (Part-32)	--	43
12.	Sodium	mg/l	IS 3025 (Part-24)	--	86.5
13.	Mercury	mg/l	APHA: 3112B.2023	0.01	BDL(MDL-0.05)
14.	Total Chromium	mg/l	APHA: 3111B.2023	2.0	BDL(MDL-0.2)

----End of Report----

<b>Env. Condition of Lab.</b>	Laboratory is maintaining Temperature 27± 2°C and Relative Humidity 65±5 % in all testing area as per IS 196:1966©.
<b>Abbreviation</b>	MDL: Minimum Detection Limit, BDL: Below Detection Limit
<b>Norms** is Specified</b>	Schedule-VI General Standard for discharge of environmental pollutants. Part-A: Effluent for Inland Surface Water. (-- Indicates not mentioned in CPCB guidelines).
<b>Remark</b>	--

**Tested By:** Yashomati Kumari & Mahendranath Mahato  
**Sample Drawn By:** Rajiv Singh & team

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On the basis of Quality Checked and Technical data verified by the Authorized signatory, the report is issued by the Director of the Organization.

Reviewed by	Authorized Signatory
(Tauqeer Ahmad)	(Dr. S. C. Jain)
Technical Manager	Director



## Test Report

<b>Discipline:</b> Chemical	<b>Group:</b> Pollution & Environment	<b>Sub-Group:</b> Waste Water
<b>Report Issue Date:</b> 08-03-2025	<b>Test Report No.:</b> RN-240930003WW01	
<b>Sample ID:</b> 250305PE01001	<b>Sample Description:</b> Effluent	
<b>Challan No./P.O. No.:</b> N/A	<b>Challan No./ P.No. Date:</b> 30-09-2024	
<b>Issued to:</b> PRABHA ENERGY LTD.(PEL), 4th FLOOR, RISHAB COMPLEX OPPOSITE ASHOK NAGAR ROAD NO.4 LANDMARK ABOVE BANK OF INDIA, RANCHI, JHARKHAND 834002		
<b>Type of Industry:</b> Energy	<b>Customer Representative:</b> RANJAN KUMAR	
<b>Sample Drawn by:</b> IEM Team	<b>Sampling Date:</b> 05-03-2025	
<b>Sampling Protocol:</b> CPCB Guideline & IS Method 3025 Series		
<b>Sampling Location:</b> NK # 10		
<b>Sample Receiving Date:</b> 05-03-2025	<b>Testing Started:</b> 05-03-2025	<b>Testing Ended:</b> 08-03-2025

### ---Test Result---

Sl. No.	Tested Parameters	Unit	Method No.	Norms**	Results
15.	Temperature	°C	APHA 3111 B:2023	Shall not exceed 5°C above the receiving water temp.	28.1
16.	Total Solid	mg/l	IS 3025	--	451
17.	Phenolic Compound	mg/l	IS 3025 (Part-43)	1.0	BDL(MDL-0.001)
18.	Oil & Grease	mg/l	IS 3025 (Part-39)	10	7.8
19.	Hexavalent Chromium	mg/l	APHA: 3111 B.2017	0.1	BDL(MDL-0.02)
20.	Fluoride	mg/l	IS 3025 (Part-52)	2.0	0.35
21.	Sulphide	mg/l	IS 3025 (Part-29)	2.0	BDL(MDL-0.1)
22.	Salinity	-	APHA 2520 B:2023	--	349.5
23.	Lithium	mg/l	APHA 3111 B:2023	--	BDL(MDL-0.2)
24.	Cyanides	mg/l	IS 3025 (Part-27)	0.2	BDL(MDL-0.1)

### ---End of Report---

<b>Env. Condition of Lab.</b>	Laboratory is maintaining Temperature 27± 2°C and Relative Humidity 65±5 % in all testing area as per IS 196:1966(C).
<b>Abbreviation</b>	MDL: Minimum Detection Limit, BDL: Below Detection Limit
<b>Norms** is Specified</b>	Schedule-VI General Standard for discharge of environmental pollutants. Part-A: Effluent for Inland Surface Water. (-- Indicates not mentioned in CPCB guidelines).
<b>Remark</b>	--



Tested By: Yashomati Kumari & Mahendranath Mahato

Sample Drawn By : Rajiv Singh & team

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Reviewed by	Authorized Signatory
 (Tauqeer Ahmad)	 (Dr. S. C. Jain)
Technical Manager	Director

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Ranchi-834002, Jharkhand, India

Ph - 8407804253, 8407804251, Email - [iem2012@rediffmail.com](mailto:iem2012@rediffmail.com)



## Test Report

ULR No.:	T	C	1	5	2	9	2	2	5	0	0	0	0	0	8	7	4
Discipline: Chemical	Group: Pollution & Environment						Sub-Group: Waste Water										
Report Issue Date: 08-03-2025									Test Report No.: RN-240930003WWW02								
Sample ID: 250305PE01002									Sample Description: Effluent								
Challan No./P.O. No.: N/A									Challan No./ P.No. Date: 30-09-2024								
Issued to: PRABHA ENERGY LTD.(PEL), 4 <sup>th</sup> FLOOR, RISHAB COMPLEX OPPOSITE ASHOK NAGAR ROAD NO.4 LANDMARK ABOVE BANK OF INDIA, RANCHI, JHARKHAND 834002																	
Type of Industry: Energy									Customer Representative: RANJAN KUMAR								
Sample Drawn by: IEM Team									Sampling Date: 05-03-2025								
Sampling Protocol: CPCB Guideline & IS Method 3025 Series																	
Sampling Location: NK # 40																	
Sample Receiving Date: 05-03-2025						Testing Started: 05-03-2025						Testing Ended: 08-03-2025					

----Test Result----

Sl. No.	Tested Parameters	Unit	Method No.	Norms**	Results
1.	pH value at 25°C	---	IS 3025 (Part-11)	5.5 to 9.0	6.4
2.	Total Suspended Solids (TSS)	mg/l	IS 3025 (Part-17)	100	12
3.	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part-16)	--	452
4.	Biological Oxygen Demand (BOD)	mg/l	IS 3025 (Part-44)	30	17.5
5.	Chemical Oxygen Demand (COD)	mg/l	IS 3025 (Part-58)	250	36
6.	Sulphate (as SO <sub>4</sub> )	mg/l	IS 3025 (Part-24)	--	9.5
7.	Copper	mg/l	APHA: 3111B.2023	3.0	BDL(MDL-0.2)
8.	Lead	mg/l	APHA: 3111B.2023	0.1	BDL(MDL-0.2)
9.	Zinc	mg/l	APHA: 3111B.2023	5.0	BDL(MDL-0.2)
10.	Nickel	mg/l	APHA: 3111B.2023	3.0	BDL(MDL-0.2)
11.	Chloride	mg/l	IS 3025 (Part-32)	--	57
12.	Sodium	mg/l	IS 3025 (Part-24)	--	40.8
13.	Mercury	mg/l	APHA: 3112B.2023	0.01	BDL(MDL-0.05)
14.	Total Chromium	mg/l	APHA: 3111B.2023	2.0	BDL(MDL-0.2)

----End of Report----

Env. Condition of Lab.	Laboratory is maintaining Temperature 27± 2°C and Relative Humidity 65±5 % in all testing area as per IS 196:1966(C).
Abbreviation	MDL: Minimum Detection Limit, BDL: Below Detection Limit
Norms** is Specified	Schedule-VI General Standard for discharge of environmental pollutants. Part-A: Effluent for Inland Surface Water. (-- Indicates not mentioned in CPCB guidelines).
Remark	--

Tested By: Yashomati Kumari & Mahendranath Mahato  
Sample Drawn By Rajiv Singh & team

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Reviewed by	Authorized Signatory
(Tauqeer Ahmad)	(Dr. S. C. Jain)
Technical Manager	Director



## Test Report

Discipline: Chemical	Group: Pollution & Environment	Sub-Group: Waste Water
Report Issue Date: 08-03-2025	Test Report No.: RN-240930003WW02	
Sample ID: 250305PE01002	Sample Description: Effluent	
Challan No./P.O. No.: N/A	Challan No./ P.No. Date: 30-09-2024	
Issued to: PRABHA ENERGY LTD.(PEL), 4 <sup>th</sup> FLOOR, RISHAB COMPLEX OPPOSITE ASHOK NAGAR ROAD NO.4 LANDMARK ABOVE BANK OF INDIA, RANCHI, JHARKHAND 834002		
Type of Industry: Energy	Customer Representative: RANJAN KUMAR	
Sample Drawn by: IEM Team	Sampling Date: 05-03-2025	
Sampling Protocol: CPCB Guideline & IS Method 3025 Series		
Sampling Location: NK # 40		
Sample Receiving Date: 05-03-2025	Testing Started: 05-03-2025	Testing Ended: 08-03-2025

### ----Test Result----

Sl. No.	Tested Parameters	Unit	Method No.	Norms**	Results
15.	Temperature	°C	APHA 3111 B:2023	Shall not exceed 5°C above the receiving water temp.	28.1
16.	Total Solid	mg/l	IS 3025	--	640
17.	Phenolic Compound	mg/l	IS 3025 (Part-43)	1.0	BDL(MDL-0.001)
18.	Oil & Grease	mg/l	IS 3025 (Part-39)	10	BDL(MDL-4)
19.	Hexavalent Chromium	mg/l	APHA: 3111 B.2017	0.1	BDL(MDL-0.02)
20.	Fluoride	mg/l	IS 3025 (Part-52)	2.0	0.38
21.	Sulphide	mg/l	IS 3025 (Part-29)	2.0	BDL(MDL-0.1)
22.	Salinity	-	APHA 2520 B:2023	--	445.5
23.	Lithium	mg/l	APHA 3111 B:2023	--	BDL(MDL-0.2)
24.	Cyanides	mg/l	IS 3025 (Part-27)	0.2	BDL(MDL-0.1)

### ----End of Report----

Env. Condition of Lab.	Laboratory is maintaining Temperature 27± 2°C and Relative Humidity 65±5 % in all testing area as per IS 196:1966(C).
Abbreviation	MDL: Minimum Detection Limit, BDL: Below Detection Limit
Norms** is Specified	Schedule-VI General Standard for discharge of environmental pollutants. Part-A: Effluent for Inland Surface Water. (-- Indicates not mentioned in CPCB guidelines).
Remark	--



Tested By: Yashomati Kumari & Mahendranath Mahato

Sample Drawn By : Rajiv Singh & team

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Reviewed by	Authorized Signatory
	
(Tauqeer Ahmad)	(Dr. S. C. Jain)
Technical Manager	Director



## Test Report

ULR No.:	T	C	1	5	2	9	2	2	5	0	0	0	0	0	0	8	7	5
Discipline: Chemical	Group: Pollution & Environment										Sub-Group: Waste Water							
Report Issue Date: 08-03-2025	Test Report No.: RN-240930003WW03																	
Sample ID: 250305PE01003	Sample Description: Effluent																	
Challan No./P.O. No.: N/A	Challan No./ P.No. Date: 30-09-2024																	
Issued to: PRABHA ENERGY LTD.(PEL), 4th FLOOR, RISHAB COMPLEX OPPOSITE ASHOK NAGAR ROAD NO.4 LANDMARK ABOVE BANK OF INDIA, RANCHI, JHARKHAND 834002																		
Type of Industry: Energy										Customer Representative: RANJAN KUMAR								
Sample Drawn by: IEM Team										Sampling Date: 05-03-2025								
Sampling Protocol: CPCB Guideline & IS Method 3025 Series																		
Sampling Location: NK # 64																		
Sample Receiving Date: 05-03-2025						Testing Started: 05-03-2025						Testing Ended: 08-03-2025						

### ---Test Result---

Sl. No.	Tested Parameters	Unit	Method No.	Norms**	Results
1.	pH value at 25°C	----	IS 3025 (Part-11)	5.5 to 9.0	7.1
2.	Total Suspended Solids (TSS)	mg/l	IS 3025 (Part-17)	100	15
3.	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part-16)	--	445
4.	Biological Oxygen Demand (BOD)	mg/l	IS 3025 (Part-44)	30	18.9
5.	Chemical Oxygen Demand (COD)	mg/l	IS 3025 (Part-58)	250	48
6.	Sulphate (as SO <sub>4</sub> )	mg/l	IS 3025 (Part-24)	--	19.4
7.	Copper	mg/l	APHA: 3111B.2023	3.0	BDL(MDL-0.2)
8.	Lead	mg/l	APHA: 3111B.2023	0.1	BDL(MDL-0.2)
9.	Zinc	mg/l	APHA: 3111B.2023	5.0	BDL(MDL-0.2)
10.	Nickel	mg/l	APHA: 3111B.2023	3.0	BDL(MDL-0.2)
11.	Chloride	mg/l	IS 3025 (Part-32)	--	49
12.	Sodium	mg/l	IS 3025 (Part-24)	--	38.6
13.	Mercury	mg/l	APHA: 3112B.2023	0.01	BDL(MDL-0.05)
14.	Total Chromium	mg/l	APHA: 3111B.2023	2.0	BDL(MDL-0.2)

### ---End of Report---

Env. Condition of Lab.	Laboratory is maintaining Temperature 27± 2°C and Relative Humidity 65±5 % in all testing area as per IS 196:1966(C).
Abbreviation	MDL: Minimum Detection Limit, BDL: Below Detection Limit
Norms** is Specified	Schedule-VI General Standard for discharge of environmental pollutants. Part-A: Effluent for Inland Surface Water. (-- Indicates not mentioned in CPCB guidelines).
Remark	--

Tested By: Yashomati Kumari & Mahendranath Mahato  
Sample Drawn By Rajiv Singh & team

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On the basis of Quality Checked and Technical data verified by the Authorized signatory, the report is issued by the Director of the Organization.

Reviewed by

Authorized Signatory

(Tauqeer Ahmad)

(Dr. S. C. Jain)

Technical Manager

Director



## Test Report

<b>Discipline:</b> Chemical	<b>Group:</b> Pollution & Environment	<b>Sub-Group:</b> Waste Water
<b>Report Issue Date:</b> 08-03-2025	<b>Test Report No.:</b> RN-240930003VW03	
<b>Sample ID:</b> 250305PE01003	<b>Sample Description:</b> Effluent	
<b>Challan No./P.O. No.:</b> N/A	<b>Challan No./ P.No. Date:</b> 30-09-2024	
<b>Issued to:</b> PRABHA ENERGY LTD.(PEL), 4th FLOOR, RISHAB COMPLEX OPPOSITE ASHOK NAGAR ROAD NO.4 LANDMARK ABOVE BANK OF INDIA, RANCHI, JHARKHAND 834002		
<b>Type of Industry:</b> Energy	<b>Customer Representative:</b> RANJAN KUMAR	
<b>Sample Drawn by:</b> IEM Team	<b>Sampling Date:</b> 05-03-2025	
<b>Sampling Protocol:</b> CPCB Guideline & IS Method 3025 Series		
<b>Sampling Location:</b> NK # 64		
<b>Sample Receiving Date:</b> 05-03-2025	<b>Testing Started:</b> 05-03-2025	<b>Testing Ended:</b> 08-03-2025

### ----Test Result----

Sl. No.	Tested Parameters	Unit	Method No.	Norms**	Results
15.	Temperature	°C	APHA 3111 B:2023	Shall not exceed 5°C above the receiving water temp.	28
16.	Total Solid	mg/l	IS 3025	--	465
17.	Phenolic Compound	mg/l	IS 3025 (Part-43)	1.0	BDL(MDL-0.001)
18.	Oil & Grease	mg/l	IS 3025 (Part-39)	10	BDL(MDL-4)
19.	Hexavalent Chromium	mg/l	APHA: 3111 B.2017	0.1	BDL(MDL-0.02)
20.	Fluoride	mg/l	IS 3025 (Part-52)	2.0	0.41
21.	Sulphide	mg/l	IS 3025 (Part-29)	2.0	BDL(MDL-0.1)
22.	Salinity	-	APHA 2520 B:2023	--	340.5
23.	Lithium	mg/l	APHA 3111 B:2023	--	BDL(MDL-0.2)
24.	Cyanides	mg/l	IS 3025 (Part-27)	0.2	BDL(MDL-0.1)

### ---End of Report---

<b>Env. Condition of Lab.</b>	Laboratory is maintaining Temperature 27± 2°C and Relative Humidity 65±5 % in all testing area as per IS 196:1966(C).
<b>Abbreviation</b>	MDL: Minimum Detection Limit, BDL: Below Detection Limit
<b>Norms** is Specified</b>	Schedule-VI General Standard for discharge of environmental pollutants. Part-A: Effluent for Inland Surface Water. (-- Indicates not mentioned in CPCB guidelines).
<b>Remark</b>	--

Tested By: Yashomati Kumari & Mahendranath Mahato  
Sample Drawn By : Rajiv Singh & team

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On the basis of Quality Checked and Technical data verified by the Authorized signatory, the report is issued by the Director of the Organization.

Reviewed by	Authorized Signatory
(Tauqeer Ahmad)	(Dr. S. C. Jain)
Technical Manager	Director



## Test Report

ULR No.:	T	C	1	5	2	9	2	2	5	0	0	0	0	0	0	8	7	6
Discipline: Chemical	Group: Pollution & Environment								Sub-Group: Waste Water									
Report Issue Date: 08-03-2025									Test Report No.: RN-240930003WW04									
Sample ID: 250305PE01004									Sample Description: Effluent									
Challan No./P.O. No.: N/A									Challan No./ P.No. Date: 30-09-2024									
Issued to: PRABHA ENERGY LTD.(PEL), 4th FLOOR, RISHAB COMPLEX OPPOSITE ASHOK NAGAR ROAD NO.4 LANDMARK ABOVE BANK OF INDIA, RANCHI, JHARKHAND 834002																		
Type of Industry: Energy									Customer Representative: RANJAN KUMAR									
Sample Drawn by: IEM Team									Sampling Date: 05-03-2025									
Sampling Protocol: CPCB Guideline & IS Method 3025 Series																		
Sampling Location: NK # 62																		
Sample Receiving Date: 05-03-2025						Testing Started: 05-03-2025						Testing Ended: 08-03-2025						

### ---Test Result---

Sl. No.	Tested Parameters	Unit	Method No.	Norms**	Results
1.	pH value at 25°C	----	IS 3025 (Part-11)	5.5 to 9.0	6.5
2.	Total Suspended Solids (TSS)	mg/l	IS 3025 (Part-17)	100	42
3.	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part-16)	--	610
4.	Biological Oxygen Demand (BOD)	mg/l	IS 3025 (Part-44)	30	12.8
5.	Chemical Oxygen Demand (COD)	mg/l	IS 3025 (Part-58)	250	32
6.	Sulphate (as SO <sub>4</sub> )	mg/l	IS 3025 (Part-24)	--	12.2
7.	Copper	mg/l	APHA: 3111B.2023	3.0	BDL(MDL-0.2)
8.	Lead	mg/l	APHA: 3111B.2023	0.1	BDL(MDL-0.2)
9.	Zinc	mg/l	APHA: 3111B.2023	5.0	BDL(MDL-0.2)
10.	Nickel	mg/l	APHA: 3111B.2023	3.0	BDL(MDL-0.2)
11.	Chloride	mg/l	IS 3025 (Part-32)	--	53
12.	Sodium	mg/l	IS 3025 (Part-24)	--	82.4
13.	Mercury	mg/l	APHA: 3112B.2023	0.01	BDL(MDL-0.05)
14.	Total Chromium	mg/l	APHA: 3111B.2023	2.0	BDL(MDL-0.2)

### ---End of Report---

Env. Condition of Lab.	Laboratory is maintaining Temperature 27± 2°C and Relative Humidity 65±5 % in all testing area as per IS 196:1966(C).
Abbreviation	MDL: Minimum Detection Limit, BDL: Below Detection Limit
Norms** is Specified	Schedule-VI General Standard for discharge of environmental pollutants. Part-A: Effluent for Inland Surface Water. (-- Indicates not mentioned in CPCB guidelines).
Remark	--

Tested By: Yashomati Kumari & Mahendranath Mahato  
Sample Drawn By Rajiv Singh & team

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Reviewed by	Authorized Signatory
(Tauqeer Ahmad)	(Dr. S. C. Jain)
Technical Manager	Director



## Test Report

<b>Discipline:</b> Chemical	<b>Group:</b> Pollution & Environment	<b>Sub-Group:</b> Waste Water
<b>Report Issue Date:</b> 08-03-2025	<b>Test Report No.:</b> RN-240930003VWW04	
<b>Sample ID:</b> 250305PE01004	<b>Sample Description:</b> Effluent	
<b>Challan No./P.O. No.:</b> N/A	<b>Challan No./ P.No. Date:</b> 30-09-2024	
<b>Issued to:</b> PRABHA ENERGY LTD.(PEL), 4th FLOOR, RISHAB COMPLEX OPPOSITE ASHOK NAGAR ROAD NO.4 LANDMARK ABOVE BANK OF INDIA, RANCHI, JHARKHAND 834002		
<b>Type of Industry:</b> Energy	<b>Customer Representative:</b> RANJAN KUMAR	
<b>Sample Drawn by:</b> IEM Team	<b>Sampling Date:</b> 05-03-2025	
<b>Sampling Protocol:</b> CPCB Guideline & IS Method 3025 Series		
<b>Sampling Location:</b> NK # 62		
<b>Sample Receiving Date:</b> 05-03-2025	<b>Testing Started:</b> 05-03-2025	<b>Testing Ended:</b> 08-03-2025

### ---Test Result---

Sl. No.	Tested Parameters	Unit	Method No.	Norms**	Results
15.	Temperature	°C	APHA 3111 B:2023	Shall not exceed 5°C above the receiving water temp.	27.6
16.	Total Solid	mg/l	IS 3025	--	659
17.	Phenolic Compound	mg/l	IS 3025 (Part-43)	1.0	BDL(MDL-0.001)
18.	Oil & Grease	mg/l	IS 3025 (Part-39)	10	BDL(MDL-4)
19.	Hexavalent Chromium	mg/l	APHA: 3111 B.2017	0.1	BDL(MDL-0.02)
20.	Fluoride	mg/l	IS 3025 (Part-52)	2.0	0.39
21.	Sulphide	mg/l	IS 3025 (Part-29)	2.0	BDL(MDL-0.1)
22.	Salinity	-	APHA 2520 B:2023	--	420
23.	Lithium	mg/l	APHA 3111 B:2023	--	BDL(MDL-0.2)
24.	Cyanides	mg/l	IS 3025 (Part-27)	0.2	BDL(MDL-0.1)

### ---End of Report---

<b>Env. Condition of Lab.</b>	Laboratory is maintaining Temperature 27± 2°C and Relative Humidity 65±5 % in all testing area as per IS 196:1966(C).
<b>Abbreviation</b>	MDL: Minimum Detection Limit, BDL: Below Detection Limit
<b>Norms** is Specified</b>	Schedule-VI General Standard for discharge of environmental pollutants. Part-A: Effluent for Inland Surface Water. (-- Indicates not mentioned in CPCB guidelines).
<b>Remark</b>	--

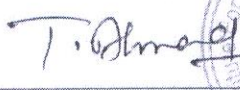

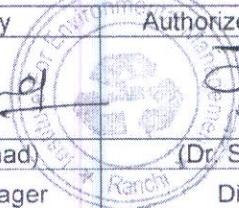
Tested By: Yashomati Kumari & Mahendranath Mahato

Sample Drawn By : Rajiv Singh & team

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Reviewed by  (Tauqeer Ahmad) Technical Manager	Authorized Signatory  (Dr. S. C. Jain) Director
	

Page 2 of 2 Corporate office - A-8, Modi Heights, Opp.-All India Radio Station, Ratu Road, Ranchi, Jharkhand - 834001

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Ph - 8407804253, 8407804251, Email - [iem2012@rediffmail.com](mailto:iem2012@rediffmail.com)



## Test Report

<b>ULR No.:</b>	T	C	1	5	2	9	2	2	5	0	0	0	0	0	0	8	7	7
<b>Discipline:</b> Chemical	<b>Group:</b> Pollution & Environment										<b>Sub-Group:</b> Waste Water							
<b>Report Issue Date:</b> 08-03-2025										<b>Test Report No.:</b> RN-240930003WW05								
<b>Sample ID:</b> 250305PE01005										<b>Sample Description:</b> Effluent								
<b>Challan No./P.O. No.:</b> N/A										<b>Challan No./ P.No. Date:</b> 30-09-2024								
<b>Issued to:</b> PRABHA ENERGY LTD.(PEL), 4th FLOOR, RISHAB COMPLEX OPPOSITE ASHOK NAGAR ROAD NO.4 LANDMARK ABOVE BANK OF INDIA, RANCHI, JHARKHAND 834002																		
<b>Type of Industry:</b> Energy										<b>Customer Representative:</b> RANJAN KUMAR								
<b>Sample Drawn by:</b> IEM Team										<b>Sampling Date:</b> 05-03-2025								
<b>Sampling Protocol:</b> CPCB Guideline & IS Method 3025 Series																		
<b>Sampling Location:</b> NK # 11																		
<b>Sample Receiving Date:</b> 05-03-2025						<b>Testing Started:</b> 05-03-2025						<b>Testing Ended:</b> 08-03-2025						

### ---Test Result---

Sl. No.	Tested Parameters	Unit	Method No.	Norms**	Results
1.	pH value at 25°C	----	IS 3025 (Part-11)	5.5 to 9.0	7.2
2.	Total Suspended Solids (TSS)	mg/l	IS 3025 (Part-17)	100	52
3.	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part-16)	--	848
4.	Biological Oxygen Demand (BOD)	mg/l	IS 3025 (Part-44)	30	18.6
5.	Chemical Oxygen Demand (COD)	mg/l	IS 3025 (Part-58)	250	60
6.	Sulphate (as SO <sub>4</sub> )	mg/l	IS 3025 (Part-24)	--	10.5
7.	Copper	mg/l	APHA: 3111B.2023	3.0	BDL(MDL-0.2)
8.	Lead	mg/l	APHA: 3111B.2023	0.1	BDL(MDL-0.2)
9.	Zinc	mg/l	APHA: 3111B.2023	5.0	BDL(MDL-0.2)
10.	Nickel	mg/l	APHA: 3111B.2023	3.0	BDL(MDL-0.2)
11.	Chloride	mg/l	IS 3025 (Part-32)	--	76
12.	Sodium	mg/l	IS 3025 (Part-24)	--	86.2
13.	Mercury	mg/l	APHA: 3112B.2023	0.01	BDL(MDL-0.05)
14.	Total Chromium	mg/l	APHA: 3111B.2023	2.0	BDL(MDL-0.2)

### ---End of Report---

<b>Env. Condition of Lab.</b>	Laboratory is maintaining Temperature 27± 2°C and Relative Humidity 65±5 % in all testing area as per IS 196:1966(C).
<b>Abbreviation</b>	MDL: Minimum Detection Limit, BDL: Below Detection Limit
<b>Norms** is Specified</b>	Schedule-VI General Standard for discharge of environmental pollutants. Part-A: Effluent for Inland Surface Water. (-- Indicates not mentioned in CPCB guidelines).
<b>Remark</b>	--

Tested By: Yashomati Kumari & Mahendranath Mahato  
Sample Drawn By Rajiv Singh & team

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Reviewed by

Authorized Signatory

(Tauqeer Ahmad)

(Dr. S. C. Jain)

Technical Manager

Director



## Test Report

Discipline: Chemical	Group: Pollution & Environment	Sub-Group: Waste Water
Report Issue Date: 08-03-2025	Test Report No.: RN-240930003VW05	
Sample ID: 250305PE01005	Sample Description: Effluent	
Challan No./P.O. No.: N/A	Challan No./ P.No. Date: 30-09-2024	
Issued to: PRABHA ENERGY LTD.(PEL), 4th FLOOR, RISHAB COMPLEX OPPOSITE ASHOK NAGAR ROAD NO.4 LANDMARK ABOVE BANK OF INDIA, RANCHI, JHARKHAND 834002		
Type of Industry: Energy	Customer Representative: RANJAN KUMAR	
Sample Drawn by: IEM Team	Sampling Date: 05-03-2025	
Sampling Protocol: CPCB Guideline & IS Method 3025 Series		
Sampling Location: NK # 11		
Sample Receiving Date: 05-03-2025	Testing Started: 05-03-2025	Testing Ended: 08-03-2025

### ---Test Result---

Sl. No.	Tested Parameters	Unit	Method No.	Norms**	Results
15.	Temperature	°C	APHA 3111 B:2023	Shall not exceed 5°C above the receiving water temp.	27.8
16.	Total Solid	mg/l	IS 3025	--	1880
17.	Phenolic Compound	mg/l	IS 3025 (Part-43)	1.0	BDL(MDL-0.001)
18.	Oil & Grease	mg/l	IS 3025 (Part-39)	10	8.6
19.	Hexavalent Chromium	mg/l	APHA: 3111 B.2017	0.1	BDL(MDL-0.02)
20.	Fluoride	mg/l	IS 3025 (Part-52)	2.0	0.45
21.	Sulphide	mg/l	IS 3025 (Part-29)	2.0	BDL(MDL-0.1)
22.	Salinity	-	APHA 2520 B:2023	--	1255
23.	Lithium	mg/l	APHA 3111 B:2023	--	BDL(MDL-0.2)
24.	Cyanides	mg/l	IS 3025 (Part-27)	0.2	BDL(MDL-0.1)

### ---End of Report---



Env. Condition of Lab.	Laboratory is maintaining Temperature 27± 2°C and Relative Humidity 65±5 % in all testing area as per IS 196:1966(C).
Abbreviation	MDL: Minimum Detection Limit, BDL: Below Detection Limit
Norms** is Specified	Schedule-VI General Standard for discharge of environmental pollutants. Part-A: Effluent for Inland Surface Water. (-- Indicates not mentioned in CPCB guidelines).
Remark	--

Tested By: Yashomati Kumari & Mahendranath Mahato  
Sample Drawn By : Rajiv Singh & team

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Reviewed by	Authorized Signatory
	
(Tauqeer Ahmad)	(Dr. S. C. Jain)
Technical Manager	Director



## Test Report

<b>ULR No.:</b>	T	C	1	5	2	9	2	2	5	0	0	0	0	0	8	6	3
<b>Discipline:</b> Chemical	<b>Group:</b> Atmospheric Pollution										<b>Sub-Group:</b> Ambient Air						
<b>Report Issue Date:</b> 08-03-2025									<b>Test Report No.:</b> RN-240930003A01								
<b>Sample ID:</b> 250305AP02001									<b>Sample Description:</b> Ambient Air								
<b>Challan No./P.O. No.:</b> N/A									<b>Challan No./ P.No. Date:</b> 30-09-2024								
<b>Issued to:</b> PRABHA ENERGY LTD.(PEL), 4th FLOOR, RISHAB COMPLEX OPPOSITE ASHOK NAGAR ROAD NO.4 LANDMARK ABOVE BANK OF INDIA, RANCHI, JHARKHAND 834002																	
<b>Type of Industry:</b> Energy									<b>Customer Representative:</b> RANJAN KUMAR								
<b>Sample Drawn by:</b> IEM Team									<b>Sampling Date:</b> 04-03-2025 to 05-03-2025								
<b>Sampling Protocol:</b> CPCB Guideline(NAAQMS/36/2012-13) & IS Method 5182 Series																	
<b>Sampling Location:</b> NK # 6 ( GDU Area)																	
<b>Field Meteorological Information</b>						<b>A. Temp. (°C):</b> 24			<b>R.H. (%):</b> 55			<b>W.C.:</b> Sunny			<b>W.D.:</b> NW to SE		
<b>Sample Receiving Date:</b> 05-03-2025						<b>Testing Started:</b> 05-03-2025						<b>Testing Ended:</b> 08-03-2025					

----Test Results----

Sl.No.	Parameters	Test Method No.	Unit	Norms**	Results
1.	Particulate Matter (PM <sub>10</sub> )	IS 5182 Part 23:2006	µg/m <sup>3</sup>	100	66
2.	Particulate Matter (PM <sub>2.5</sub> )	IS 5182 Part 24:2019	µg/m <sup>3</sup>	60	28
3.	Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 Part-02	µg/m <sup>3</sup>	80	19
4.	Nitrogen Dioxide (NO <sub>2</sub> )	IS 5182 Part-06	µg/m <sup>3</sup>	80	40
5.	Ammonia (NH <sub>3</sub> )	IS 5182 Part 25	µg/m <sup>3</sup>	400	22
6.	Ozone (O <sub>3</sub> )	IS 5182 Part 09	µg/m <sup>3</sup>	180	19
7.	Arsenic (as As)	USEPA I.O. 3.2	ng/m <sup>3</sup>	----	BDL (MDL-2)
8.	Lead (as Pb)	IS 5182 Part 22	µg/m <sup>3</sup>	1.0	0.05
9.	Nickel (Ni)	IS 5182 Part 26	ng/m <sup>3</sup>	----	BDL (MDL-4)

----End of Report----

<b>Env. Condition of Lab.</b>	Laboratory is maintaining Temperature 27± 2°C and Relative Humidity 65±5 % in all testing area as per IS 196:1966(C).
<b>Abbreviation</b>	MDL: Minimum Detection Limit, BDL: Below Detection Limit
<b>Norms** is Specified</b>	National Ambient Air Quality Standards (NAAQS), 2009, (-- Indicates) norms will be applicable annually after collection of minimum 104 measurements in a year at a particular site.
<b>Remark</b>	Sample Comply with prescribed specification.

**Tested By:** Akanksha Sourabh & Sanjay Kumar

**Sample Drawn By:** Rajiv Singh & team

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	On the basis of Quality Checked and Technical data verified by the Authorized signatory, the report is issued by the Director of the Organization.	<b>Technical Manager</b> 



## Test Report

<b>Discipline:</b> Chemical		<b>Group:</b> Atmospheric Pollution		<b>Sub-Group:</b> Ambient Air	
<b>Report Issue Date:</b> 08-03-2025			<b>Test Report No.:</b> RN-240930003A01		
<b>Sample ID:</b> 250305AP02001			<b>Sample Description:</b> Ambient Air		
<b>Challan No./P.O. No.:</b> N/A			<b>Challan No./ P.No. Date:</b> 30-09-2024		
<b>Issued to:</b> PRABHA ENERGY LTD.(PEL), 4th FLOOR, RISHAB COMPLEX OPPOSITE ASHOK NAGAR ROAD NO.4 LANDMARK ABOVE BANK OF INDIA, RANCHI, JHARKHAND 834002					
<b>Type of Industry:</b> Energy			<b>Customer Representative:</b> RANJAN KUMAR		
<b>Sample Drawn by:</b> IEM Team			<b>Sampling Date:</b> 04-03-2025 to 05-03-2025		
<b>Sampling Protocol:</b> CPCB Guideline(NAAQMS/36/2012-13) & IS Method 5182 Series					
<b>Sampling Location:</b> NK # 6 ( GDU Area)					
<b>Field Meteorological Information</b>		<b>A. Temp. (°C):</b> 24	<b>R.H. (%):</b> 55	<b>W.C.:</b> Sunny	<b>W.D.:</b> NW to SE
<b>Sample Receiving Date:</b> 05-03-2025		<b>Testing Started:</b> 05-03-2025		<b>Testing Ended:</b> 08-03-2025	

### ----Test Results----



Sl.No.	Parameters	Test Method No.	Unit	Norms**	Results
10.	Benzo (a) Pyrene (BaP) Particulate phase only	IS 5182 Part 12	ng/m <sup>3</sup>	---	BDL (MDL-0.18)
11.	Carbon Monoxide (CO)	IS 5182 Part 10	mg/m <sup>3</sup>	0.2 (8hrs)	BDL(MDL-1.8)
12.	BENZENE (C <sub>6</sub> H <sub>6</sub> )	IS 5182 Part 11	µg/m <sup>3</sup>	---	BDL (MDL- 0.06)

### ----End of Report----

<b>Env.Condition of Lab.</b>	Laboratory is maintaining Temperature 27± 2°C and Relative Humidity 65±5 % in all testing area as per IS 196:1966(C).
<b>Abbreviation</b>	MDL: Minimum Detection Limit, BDL: Below Detection Limit
<b>Norms** is Specified</b>	National Ambient Air Quality Standards (NAAQS), 2009, (-- Indicates) norms will be applicable annually after collection of minimum 104 measurements in a year at a particular site .
<b>Remark</b>	Sample Comply with prescribed specification.

Tested By: Akanksha Sourabh & Sanjay Kumar

Sample Drawn By: Rajiv Singh & team

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	(Tauqeer Ahmad)	(Dr. S. C. Jain)
On the basis of Quality Checked and Technical data verified by the Authorized signatory, the report is issued by the Director of the Organization.	Technical Manager	Director

Page 2 of 2

Corporate office - A-8, Modi Heights, Opp.-All India Radio Station, Ratu Road, Ranchi, Jharkhand - 834001

Laboratory Site - H.No. - A-13, Saket Vihar, Near Sohrai Bhawan, Harmu Housing Colony,  
Ranchi-834002, Jharkhand, India

Ph - 8407804253, 8407804251, Email - [iem2012@rediffmail.com](mailto:iem2012@rediffmail.com)



## Test Report

ULR No.:	T	C	1	5	2	9	2	2	5	0	0	0	0	0	0	8	6	4
Discipline: Chemical	Group: Atmospheric Pollution										Sub-Group: Ambient Air							
Report Issue Date: 08-03-2025	Test Report No.: RN-240930003A02																	
Sample ID: 250305AP02002	Sample Description: Ambient Air																	
Challan No./P.O. No.: N/A	Challan No./ P.No. Date: 30-09-2024																	
Issued to: PRABHA ENERGY LTD.(PEL), 4th FLOOR, RISHAB COMPLEX OPPOSITE ASHOK NAGAR ROAD NO.4 LANDMARK ABOVE BANK OF INDIA, RANCHI, JHARKHAND 834002																		
Type of Industry: Energy										Customer Representative: RANJAN KUMAR								
Sample Drawn by: IEM Team										Sampling Date: 04-03-2025 to 05-03-2025								
Sampling Protocol: CPCB Guideline(NAAQMS/36/2012-13) & IS Method 5182 Series																		
Sampling Location: NK # 6 ( Colony)																		
Field Meteorological Information					A. Temp. (°C): 24				R.H. (%): 55			W.C.: Sunny			W.D.: NW to SE			
Sample Receiving Date: 05-03-2025					Testing Started: 05-03-2025					Testing Ended: 08-03-2025								

### ---Test Results---

Sl.No.	Parameters	Test Method No.	Unit	Norms**	Results
1.	Particulate Matter (PM <sub>10</sub> )	IS 5182 Part 23:2006	µg/m <sup>3</sup>	100	60
2.	Particulate Matter (PM <sub>2.5</sub> )	IS 5182 Part 24:2019	µg/m <sup>3</sup>	60	24
3.	Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 Part-02	µg/m <sup>3</sup>	80	21
4.	Nitrogen Dioxide (NO <sub>2</sub> )	IS 5182 Part-06	µg/m <sup>3</sup>	80	42
5.	Ammonia (NH <sub>3</sub> )	IS 5182 Part 25	µg/m <sup>3</sup>	400	31
6.	Ozone (O <sub>3</sub> )	IS 5182 Part 09	µg/m <sup>3</sup>	180	19
7.	Arsenic (as As)	USEPA I.O. 3.2	ng/m <sup>3</sup>	----	BDL (MDL-2)
8.	Lead (as Pb)	IS 5182 Part 22	µg/m <sup>3</sup>	1.0	0.04
9.	Nickel (Ni)	IS 5182 Part 26	ng/m <sup>3</sup>	----	BDL (MDL-4)

### ---End of Report---

Env. Condition of Lab.	Laboratory is maintaining Temperature 27± 2°C and Relative Humidity 65±5 % in all testing area as per IS 196:1966(C).
Abbreviation	MDL: Minimum Detection Limit, BDL: Below Detection Limit
Norms** is Specified	National Ambient Air Quality Standards (NAAQS), 2009, (--- Indicates) norms will be applicable annually after collection of minimum 104 measurements in a year at a particular site .
Remark	Sample Comply with prescribed specification.

Tested By: Akanksha Sourabh & Sanjay Kumar

Sample Drawn By: Rajiv Singh & team

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Reviewed by

*T. Ahmad*

(Tauqeer Ahmad)

Technical Manager

Authorized Signatory

*S. C. Jain*

(Dr. S. C. Jain)

Director



## Test Report

Discipline: Chemical	Group: Atmospheric Pollution	Sub-Group: Ambient Air
Report Issue Date: 08-03-2025	Test Report No.: RN-240930003A02	
Sample ID: 250305AP02002	Sample Description: Ambient Air	
Challan No./P.O. No.: N/A	Challan No./ P.No. Date: 30-09-2024	
Issued to: PRABHA ENERGY LTD.(PEL), 4th FLOOR, RISHAB COMPLEX OPPOSITE ASHOK NAGAR ROAD NO.4 LANDMARK ABOVE BANK OF INDIA, RANCHI, JHARKHAND 834002		
Type of Industry: Energy	Customer Representative: RANJAN KUMAR	
Sample Drawn by: IEM Team	Sampling Date: 04-03-2025 to 05-03-2025	
Sampling Protocol: CPCB Guideline(NAAQMS/36/2012-13) & IS Method 5182 Series		
Sampling Location: NK # 6 ( Colony)		
Field Meteorological Information	A. Temp. (°C): 24	R.H. (%): 55
	W.C.: Sunny	W.D.: NW to SE
Sample Receiving Date: 05-03-2025	Testing Started: 05-03-2025	Testing Ended: 08-03-2025

### ---Test Results---

Sl.No.	Parameters	Test Method No.	Unit	Norms**	Results
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### ---End of Report---

Env.Condition of Lab.	Laboratory is maintaining Temperature 27± 2°C and Relative Humidity 65±5 % in all testing area as per IS 196:1966(C).
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Remark	Sample Comply with prescribed specification.



Tested By: Akanksha Sourabh & Sanjay Kumar

Sample Drawn By: Rajiv Singh & team

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Reviewed by	Authorized Signatory
	
(Tauqeer Ahmad)	(Dr. S. C. Jain)
Technical Manager	Director