



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

PEL/NKCBM/HSE/MOEFCC/2026/01

Date: 23rd April 2026

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 31st March 2026 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 31st March 2026 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, extension date 11th May 2027.

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 31st March 2026

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 31st March 2026

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. : Coal Bed Methane-
20,000 m3/day
- d) Year of establishment : 2017
- e) Date of the last Environmental
Statement submitted. : 7th May 2025



PART -B

- a) Water and Raw Material Consumption : Fresh Water required for operational Requirements/In house uses. Effluent Water is being used for Drilling and Hydro-fracturing operation. (Being admissible limit of CPCB Norms _Annexure 3)

(However, all Drilling and Hydro-fracturing operations in North Karanpura CBM Block have been suspended from 1st April 2025 to 31st March 2026)

- b) Water consumption in m³/d : 3 m³/day
 Process :
 Cooling :
 Domestic : 3 m³/day

Name of Products	Process water consumption per unit of products	
	During the previous financial year 2025-2026	During the current financial year 2025-2026
Coal-bed Methane (CBM) Gas	NIL	NIL

- c) Raw material consumption

Name of raw materials	Name of Products	Consumption of raw material per unit of output	
		During the previous financial year 2025-2026	During the current financial year 2025-2026
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	119.18071 m ³ /day water has been discharged through CBM production.	The discharged water is analyzed periodically and meets the standards set by CPCB. Discharge water is stored with in the premises of each well site inside pits for Natural evaporation and for rain water recharging apart from agricultural uses in nearby surrounding area.	There are no variations
(b) Air (Gas Genset 62.5 KVA)	Average velocity of flue emission is 9.8 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 ³	0 m ³
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 1st April 2025 to 31st March 2026, 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 1st April 2025 to 31st March 2026, 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.

- Reuse of produced water in dust suppression and as utilities.
- Gas based Generator Sets used at well sites and facilities.
- Maximum Sale of Coal bed Methane Gas and target to achieve "Zero" the Gas flaring.

PART - H

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

Regular environmental monitoring through CPCB/NABL approved laboratory for Ambient Air and Noise Quality monitoring and GG set Stack emission monitoring, sampling and Analysis of Produced water, Ground water. The analysis and monitoring report was submitted with half yearly Environmental Clearance compliance report.

No pollution is generated in our routine operations.



PART -I

Any other particulars for improving the quality of environment.

Tree plantation taken up along existing well sites.





INSTITUTE FOR ENVIRONMENTAL MANAGEMENT

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



TC-10135

TEST REPORT

ULR No.:	T	C	1	6	1	3	5	2	6	0	0	0	0	0	0	5	0	5
Discipline: Chemical			Group: Pollution & Environment						Sub-Group: Waste Water									
Report Issue Date: 21-02-2026									Test Report No.: RN-240930003WW01									
Sample ID: 260218PE01001									Sample Description: Waste Water (Effluent)									
Challan No./P.O. No.: N/A									Challan No./ P.No. Date: 30-09-2024									
Name and Contact Details of Customer: P & C Dept. Email id.- pnc.ranchi@prabhaenergy.com Prabha Energy Ltd.(PEL), NK CBM Block, 4th Floor, Rishab Complex Opposite Ashok Nagar Road No.4 Landmark Above Bank Of India, Ranchi, Jharkhand 834002																		
Information obtained from customer (if any): N/A																		
Type of Industry: Energy									Condition of Sample: Fit For Test									
Sampling Protocol: I.S.17614(Part-1):2025									Sampling Date: 18-02-2026									
Protocol: CPCB Guideline & IS Method 3025 Series																		
Sampling Location: NK # 09																		
Field Meteorological Information			A. Temp. (°C): 24			R.H. (%): 59			W.C.: Semi-Cloudy			W.D.: SW to NE						
Location of performance of the Laboratory Activity: IEM Laboratory, Ranchi																		
Sample Receiving Date: 18-02-2026					Testing Started: 18-02-2026					Testing Ended: 21-02-2026								

----Test Results----

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.	Temperature	°C	APHA 3111 B:2023	Shall not exceed 5°C above the receiving water temp.	27.4
3.	Total Suspended Solids (TSS)	mg/l	IS 3025 (Part-17)	100	6
4.	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part-16)	--	424
5.	Biological Oxygen Demand (BOD)	mg/l	IS 3025 (Part-44)	30	18.4
6.	Chemical Oxygen Demand (COD)	mg/l	IS 3025 (Part-58)	250	40
7.	Sulphate (as SO ₄)	mg/l	IS 3025 (Part-24)	--	16.4
8.	Copper	mg/l	APHA: 3111B.2023	3.0	BDL(MDL-0.2)
9.	Lead	mg/l	APHA: 3111B.2023	0.1	BDL(MDL-0.2)
10.	Zinc	mg/l	APHA: 3111B.2023	5.0	BDL(MDL-0.2)
11.	Nickel	mg/l	APHA: 3111B.2023	3.0	BDL(MDL-0.2)
12.	Chloride	mg/l	IS 3025 (Part-32)	--	44
13.	Sodium	mg/l	IS 3025 (Part-24)	--	39.12

Specific Contractual Notes: -

- The laboratory accepts responsibility for content of this report.
- This report shall not be reproduced except in full, without approval of the MD.
- This report is intended for only guidance and not for legal purpose or for advertisement.
- Any complaint about this report should be communicated in writing within 7 days of its issue.
- Total liability of Institute for Environmental Management will be limited to invoiced amount only.
- In case of feedback/ complaints, please send an email at sm.iemeco@gmail.com

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

(Signature)
 (Akanksha Sourabh) (Dr. S. C. Jain)

Dy. Technical Manager

Director

----End of Report----



INSTITUTE FOR ENVIRONMENTAL MANAGEMENT

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



TC-10155

TEST REPORT

Sl. No.	Tested Parameters	Unit	Method No.	Norms ^{4,5}	Results
14.	Mercury	mg/l	APHA: 3112B.2023	0.01	BDL(MDL-0.05)
15.	Total Chromium	mg/l	APHA: 3111B.2023	2.0	BDL(MDL-0.2)
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	BDL(MDL-4)
19.	Hexavalent Chromium	mg/l	APHA: 3111 B.2023	0.1	BDL(MDL-0.01)
20.	Fluoride	mg/l	IS 3025 (Part-52)	2.0	0.32
21.	Sulphide	mg/l	IS 3025 (Part-29)	2.0	BDL(MDL-0.05)
22.	Cyanides	mg/l	IS 3025 (Part-27)	0.2	BDL(MDL-0.1)

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	Sample Comply with prescribed specification.
Opinion & Interpretation	Not Practiced.
Tested by	Shubham Pushp
Sample Drawn by	Rajeev Singh & team
Disclaimers	<ul style="list-style-type: none"> The results relate only to the item tested, calibrated or sampled. Additions to, deviations, or exclusions from the method is not practiced if not mentioned. Results from external providers are not used if not specified.

Specific Contractual Notes:-

- The laboratory accepts responsibility for content of this report.
- This report shall not be reproduced except in full, without approval of the MD.
- This report is intended for only guidance and not for legal purpose or for advertisement.
- Any complaint about this report should be communicated in writing within 7 days of its issue.
- Total liability of Institute for Environmental Management will be limited to invoiced amount only.
- In case of feedback/ complaints, please send an email at sm.iemeco@gmail.com

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
	
(Akanksha Sourabh)	(Dr. S. C. Jain)
Dy. Technical Manager	Director

----End of Report----



INSTITUTE FOR ENVIRONMENTAL MANAGEMENT

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



TEST REPORT

Discipline: Chemical	Group: Pollution & Environment	Sub-Group: Waste Water
Report Issue Date: 21-02-2026	Test Report No.: RN-240930003WW01	
Sample ID: 260218PE01001	Sample Description: Waste Water (Effluent)	
Challan No./P.O. No.: N/A	Challan No./ P.No. Date: 30-09-2024	
Name and Contact Details of Customer: P & C Dept. Email id.- pnc.ranchi@prabhaenergy.com Prabha Energy Ltd.(PEL), NK CBM Block , 4th Floor, Rishab Complex Opposite Ashok Nagar Road No.4 Landmark Above Bank Of India, Ranchi, Jharkhand 834002		
Information obtained from customer (if any): N/A		
Type of Industry: Energy	Condition of Sample: Fit For Test	
Sampling Protocol: I.S.17614(Part-1):2025	Sampling Date: 18-02-2026	
Protocol: CPCB Guideline & IS Method 3025 Series		
Sampling Location: NK # 09		
Field Meteorological Information	A. Temp. (°C): 24	R.H. (%): 59
	W.C.: Semi-Cloudy	W.D.: SW to NE
Location of performance of the Laboratory Activity: IEM Laboratory, Ranchi		
Sample Receiving Date: 18-02-2026	Testing Started: 18-02-2026	Testing Ended: 21-02-2026

----Test Results----

Sl. No.	Tested Parameters	Unit	Method No.	Norms**	Results
23.	Salinity	-	APHA 2520 B:2023	--	4.68
24.	Lithium	mg/l	APHA 3111 B:2023	--	BDL(MDL-0.2)

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	Sample Comply with prescribed specification.
Opinion & Interpretation	Not Practiced.
Tested by	Shubham Pushp
Sample Drawn by	Rajeev Singh & team
Disclaimers	<ul style="list-style-type: none"> The results relate only to the item tested, calibrated or sampled. Additions to, deviations, or exclusions from the method is not practiced if not mentioned. Results from external providers are not used if not specified.

Specific Contractual Notes :-

- The laboratory accepts responsibility for content of this report.
- This report shall not be reproduced except in full, without approval of the MD.
- This report is intended for only guidance and not for legal purpose or for advertisement.
- Any complaint about this report should be communicated in writing within 7 days of its issue.
- Total liability of Institute for Environmental Management will be limited to invoiced amount only.
- In case of feedback/ complaints, please send an email at sm.lemeco@gmail.com

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


 (Akanksha Sourabh)


 (Dr. S. C. Jain)

Dy. Technical Manager

Director

----End of Report----



INSTITUTE FOR ENVIRONMENTAL MANAGEMENT

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



TC-18135

TEST REPORT

ULR No.:	T	C	1	6	1	3	5	2	6	0	0	0	0	0	3	0	6
Discipline: Chemical	Group: Pollution & Environment						Sub-Group: Waste Water										
Report Issue Date: 21-02-2026	Test Report No.: RN-240930003WW02																
Sample ID: 260218PE01002	Sample Description: Waste Water (Effluent)																
Challan No./P.O. No.: N/A	Challan No./ P.No. Date: 30-09-2024																
Name and Contact Details of Customer: P & C Dept. Email id.- pnc.ranchi@prabhaenergy.com Prabha Energy Ltd.(PEL), NK CBM Block, 4th Floor, Rishab Complex Opposite Ashok Nagar Road No.4 Landmark Above Bank Of India, Ranchi, Jharkhand 834002																	
Information obtained from customer (if any): N/A																	
Type of Industry: Energy									Condition of Sample: Fit For Test								
Sampling Protocol: I.S.17614(Part-1):2025									Sampling Date: 18-02-2026								
Protocol: CPCB Guideline & amp; IS Method 3025 Series																	
Sampling Location: NK # 10																	
Field Meteorological Information			A. Temp. (°C): 24			R.H. (%): 59			W.C.: Semi-Cloudy			W.D.: SW to NE					
Location of performance of the Laboratory Activity: IEM Laboratory, Ranchi																	
Sample Receiving Date: 18-02-2026					Testing Started: 18-02-2026					Testing Ended: 21-02-2026							

----Test Results----

Sl. No.	Tested Parameters	Unit	Method No.	Norms**	Results
1.	pH value at 25°C	----	IS 3025 (Part-11)	5.5 to 9.0	7.7
2.	Temperature	°C	APHA 3111 B:2023	Shall not exceed 5°C above the receiving water temp.	27.1
3.	Total Suspended Solids (TSS)	mg/l	IS 3025 (Part-17)	100	26
4.	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part-16)	--	812
5.	Biological Oxygen Demand (BOD)	mg/l	IS 3025 (Part-44)	30	20.7
6.	Chemical Oxygen Demand (COD)	mg/l	IS 3025 (Part-58)	250	44
7.	Sulphate (as SO ₄)	mg/l	IS 3025 (Part-24)	--	22
8.	Copper	mg/l	APHA: 3111B.2023	3.0	BDL(MDL-0.2)
9.	Lead	mg/l	APHA: 3111B.2023	0.1	BDL(MDL-0.2)
10.	Zinc	mg/l	APHA: 3111B.2023	5.0	BDL(MDL-0.2)
11.	Nickel	mg/l	APHA: 3111B.2023	3.0	BDL(MDL-0.2)
12.	Chloride	mg/l	IS 3025 (Part-32)	--	83
13.	Sodium	mg/l	IS 3025 (Part-24)	--	176.6

Specific Contractual Notes :-

- The laboratory accepts responsibility for content of this report.
- This report shall not be reproduced except in full, without approval of the MD.
- This report is intended for only guidance and not for legal purpose or for advertisement.
- Any complaint about this report should be communicated in writing within 7 days of its issue.
- Total liability of Institute for Environmental Management will be limited to invoiced amount only.
- In case of feedback/ complaints, please send an email at sm.iemeco@gmail.com

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
(Akanksha Sourabh)	(Dr. S. C. Jain)
Dy. Technical Manager	Director

----End of Report----



INSTITUTE FOR ENVIRONMENTAL MANAGEMENT

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



TC-19136

TEST REPORT

Sl. No.	Tested Parameters	Unit	Method No.	Norms**	Results
14.	Mercury	mg/l	APHA: 3112B.2023	0.01	BDL(MDL-0.05)
15.	Total Chromium	mg/l	APHA: 3111B.2023	2.0	BDL(MDL-0.2)
16.	Total Solid	mg/l	IS 3025	--	950
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	5
19.	Hexavalent Chromium	mg/l	APHA: 3111 B.2023	0.1	BDL(MDL-0.01)
20.	Fluoride	mg/l	IS 3025 (Part-52)	2.0	0.31
21.	Sulphide	mg/l	IS 3025 (Part-29)	2.0	BDL(MDL-0.05)
22.	Cyanides	mg/l	IS 3025 (Part-27)	0.2	BDL(MDL-0.1)

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	Sample Comply with prescribed specification.
Opinion & Interpretation	Not Practiced.
Tested by	Shubham Pushp
Sample Drawn by	Rajeev Singh & team
Disclaimers	<ul style="list-style-type: none"> The results relate only to the item tested, calibrated or sampled. Additions to, deviations, or exclusions from the method is not practiced if not mentioned. Results from external providers are not used if not specified.

Specific Contractual Notes: -

- The laboratory accepts responsibility for content of this report.
- This report shall not be reproduced except in full, without approval of the MD.
- This report is intended for only guidance and not for legal purpose or for advertisement.
- Any complaint about this report should be communicated in writing within 7 days of its issue.
- Total liability of Institute for Environmental Management will be limited to invoiced amount only.
- In case of feedback/ complaints, please send an email at sm_iemeco@gmail.com

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
(Akanksha Sourabh)	(Dr. S. C. Jain)
Dy. Technical Manager	Director

---End of Report---



INSTITUTE FOR ENVIRONMENTAL MANAGEMENT

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



TEST REPORT

Discipline: Chemical		Group: Pollution & Environment		Sub-Group: Waste Water	
Report Issue Date: 21-02-2026			Test Report No.: RN-240930003WW02		
Sample ID: 260218PE01002			Sample Description: Waste Water (Effluent)		
Challan No./P.O. No.: N/A			Challan No./ P.No. Date: 30-09-2024		
Name and Contact Details of Customer: P & C Dept. Email id.- pnc.ranchi@prabhaenergy.com Prabha Energy Ltd.(PEL), NK CBM Block, 4th Floor, Rishab Complex Opposite Ashok Nagar Road No.4 Landmark Above Bank Of India, Ranchi, Jharkhand 834002					
Information obtained from customer (if any): N/A					
Type of Industry: Energy			Condition of Sample: Fit For Test		
Sampling Protocol: I.S.17614(Part-1):2025			Sampling Date: 18-02-2026		
Protocol: CPCB Guideline & IS Method 3025 Series					
Sampling Location: NK # 10					
Field Meteorological Information		A. Temp. (°C): 24	R.H. (%): 59	W.C.: Semi-Cloudy	W.D.: SW to NE
Location of performance of the Laboratory Activity: IEM Laboratory, Ranchi					
Sample Receiving Date: 18-02-2026		Testing Started: 18-02-2026		Testing Ended: 21-02-2026	

----Test Results----

Sl. No.	Tested Parameters	Unit	Method No.	Norms**	Results
23.	Salinity	-	APHA 2520 B:2023	--	5.03
24.	Lithium	mg/l	APHA 3111 B:2023	--	BDL(MDL-0.2)

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	Sample Comply with prescribed specification.
Opinion & Interpretation	Not Practiced.
Tested by	Shubham Pushp
Sample Drawn by	Rajeev Singh & team
Disclaimers	<ul style="list-style-type: none"> The results relate only to the item tested, calibrated or sampled. Additions to, deviations, or exclusions from the method is not practiced if not mentioned. Results from external providers are not used if not specified.

Specific Contractual Notes: -

1. The laboratory accepts responsibility for content of this report.
2. This report shall not be reproduced except in full, without approval of the MD.
3. This report is intended for only guidance and not for legal purpose or for advertisement.
4. Any complaint about this report should be communicated in writing within 7 days of its issue.
5. Total liability of Institute for Environmental Management will be limited to invoiced amount only.
6. In case of feedback/ complaints, please send an email at sm.iemeco@gmail.com

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
 (Akanksha Sourabh)	 (Dr. S. C. Jain)
Dy. Technical Manager	Director

----End of Report----



INSTITUTE FOR ENVIRONMENTAL MANAGEMENT

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



TC-46135

TEST REPORT

ULR No.:	T	C	1	6	1	3	5	2	9	0	0	0	0	0	0	3	9	7
Discipline: Chemical			Group: Pollution & Environment						Sub-Group: Waste Water									
Report Issue Date: 21-02-2026									Test Report No.: RN-240930003WW03									
Sample ID: 260218PE01003									Sample Description: Waste Water (Effluent)									
Challan No./P.O. No.: N/A									Challan No./ P.No. Date: 30-09-2024									
Name and Contact Details of Customer: P & C Dept. Email id.- pnc.ranchi@prabhaenergy.com Prabha Energy Ltd.(PEL), NK CBM Block, 4th Floor, Rishab Complex Opposite Ashok Nagar Road No.4 Landmark Above Bank Of India, Ranchi, Jharkhand 834002																		
Information obtained from customer (if any): N/A																		
Type of Industry: Energy									Condition of Sample: Fit For Test									
Sampling Protocol: I.S.17614(Part-1):2025									Sampling Date: 18-02-2026									
Protocol: CPCB Guideline & IS Method 3025 Series																		
Sampling Location: NK # 34																		
Field Meteorological Information			A. Temp. (°C): 24			R.H. (%): 59			W.C.: Semi-Cloudy			W.D.: SW to NE						
Location of performance of the Laboratory Activity: IEM Laboratory, Ranchi																		
Sample Receiving Date: 18-02-2026						Testing Started: 18-02-2026						Testing Ended: 21-02-2026						

----Test Results----

Sl. No.	Tested Parameters	Unit	Method No.	Norms**	Results
1.	pH value at 25°C	----	IS 3025 (Part-11)	5.5 to 9.0	6.2
2.	Temperature	°C	APHA 3111 B:2023	Shall not exceed 5°C above the receiving water temp.	27.3
3.	Total Suspended Solids (TSS)	mg/l	IS 3025 (Part-17)	100	8
4.	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part-16)	--	437
5.	Biological Oxygen Demand (BOD)	mg/l	IS 3025 (Part-44)	30	16.3
6.	Chemical Oxygen Demand (COD)	mg/l	IS 3025 (Part-58)	250	28
7.	Sulphate (as SO ₄)	mg/l	IS 3025 (Part-24)	--	7.6
8.	Copper	mg/l	APHA: 3111B.2023	3.0	BDL(MDL-0.2)
9.	Lead	mg/l	APHA: 3111B.2023	0.1	BDL(MDL-0.2)
10.	Zinc	mg/l	APHA: 3111B.2023	5.0	BDL(MDL-0.2)
11.	Nickel	mg/l	APHA: 3111B.2023	3.0	BDL(MDL-0.2)
12.	Chloride	mg/l	IS 3025 (Part-32)	--	47
13.	Sodium	mg/l	IS 3025 (Part-24)	--	44.1

Specific Contractual Notes :-

- The laboratory accepts responsibility for content of this report.
- This report shall not be reproduced except in full, without approval of the MD.
- This report is intended for only guidance and not for legal purpose or for advertisement.
- Any complaint about this report should be communicated in writing within 7 days of its issue.
- Total liability of Institute for Environmental Management will be limited to invoiced amount only.
- In case of feedback/ complaints, please send an email at sm.lemeco@gmail.com

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

(Signature)
 (Akanksha Sourabh) (Dr. S. C. Jain)

Dy. Technical Manager * Ranchi Director

----End of Report----



INSTITUTE FOR ENVIRONMENTAL MANAGEMENT

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



TC-10126

TEST REPORT

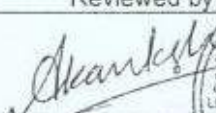

Sl. No.	Tested Parameters	Unit	Method No.	Norms**	Results
14.	Mercury	mg/l	APHA: 3112B.2023	0.01	BDL(MDL-0.05)
15.	Total Chromium	mg/l	APHA: 3111B.2023	2.0	BDL(MDL-0.2)
16.	Total Solid	mg/l	IS 3025	--	465
17.	Phenolic Compound	mg/l	IS 3025 (Part-43)	1.0	BDL(MDL-0.001)
18.	Oil & Grease	mg/l	IS 3025 (Part-39)	10	BDL(MDL-4)
19.	Hexavalent Chromium	mg/l	APHA: 3111 B.2023	0.1	BDL(MDL-0.01)
20.	Fluoride	mg/l	IS 3025 (Part-52)	2.0	0.39
21.	Sulphide	mg/l	IS 3025 (Part-29)	2.0	BDL(MDL-0.05)
22.	Cyanides	mg/l	IS 3025 (Part-27)	0.2	BDL(MDL-0.1)

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	Sample Comply with prescribed specification.
Opinion & Interpretation	Not Practiced.
Tested by	Shubham Pushp
Sample Drawn by	Rajeev Singh & team
Disclaimers	<ul style="list-style-type: none"> The results relate only to the item tested, calibrated or sampled. Additions to, deviations, or exclusions from the method is not practiced if not mentioned. Results from external providers are not used if not specified.

Specific Contractual Notes:-

- The laboratory accepts responsibility for content of this report.
- This report shall not be reproduced except in full, without approval of the MD.
- This report is intended for only guidance and not for legal purpose or for advertisement.
- Any complaint about this report should be communicated in writing within 7 days of its issue.
- Total liability of Institute for Environmental Management will be limited to invoiced amount only.
- In case of feedback/ complaints, please send an email at sm.iemeco@gmail.com

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
	
(Akanksha Sourabh)	(Dr. S. C. Jain)
Dy. Technical Manager	Director

---End of Report---



INSTITUTE FOR ENVIRONMENTAL MANAGEMENT

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



TEST REPORT

Discipline: Chemical		Group: Pollution & Environment		Sub-Group: Waste Water	
Report Issue Date: 21-02-2026			Test Report No.: RN-240930003WW03		
Sample ID: 260218PE01003			Sample Description: Waste Water (Effluent)		
Challan No./P.O. No.: N/A			Challan No./ P.No. Date: 30-09-2024		
Name and Contact Details of Customer: P & C Dept. Email id.- pnc.ranchi@prabhaenergy.com Prabha Energy Ltd.(PEL), NK CBM Block, 4th Floor, Rishab Complex Opposite Ashok Nagar Road No.4 Landmark Above Bank Of India, Ranchi, Jharkhand 834002					
Information obtained from customer (if any): N/A					
Type of Industry: Energy			Condition of Sample: Fit For Test		
Sampling Protocol: I.S.17614(Part-1):2025			Sampling Date: 18-02-2026		
Protocol: CPCB Guideline & IS Method 3025 Series					
Sampling Location: NK # 34					
Field Meteorological Information		A. Temp. (°C): 24	R.H. (%): 59	W.C.: Semi-Cloudy	W.D.: SW to NE
Location of performance of the Laboratory Activity: IEM Laboratory, Ranchi					
Sample Receiving Date: 18-02-2026		Testing Started: 18-02-2026		Testing Ended: 21-02-2026	

----Test Results----

Sl. No.	Tested Parameters	Unit	Method No.	Norms**	Results
23.	Salinity	-	APHA 2520 B:2023	--	5.12
24.	Lithium	mg/l	APHA 3111 B:2023	--	BDL(MDL-0.2)

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	Sample Comply with prescribed specification.
Opinion & Interpretation	Not Practiced.
Tested by	Shubham Pushp
Sample Drawn by	Rajeev Singh & team
Disclaimers	<ul style="list-style-type: none"> The results relate only to the item tested, calibrated or sampled. Additions to, deviations, or exclusions from the method is not practiced if not mentioned. Results from external providers are not used if not specified.

Specific Contractual Notes :-

1. The laboratory accepts responsibility for content of this report.
2. This report shall not be reproduced except in full, without approval of the MD.
3. This report is intended for only guidance and not for legal purpose or for advertisement.
4. Any complaint about this report should be communicated in writing within 7 days of its issue.
5. Total liability of Institute for Environmental Management will be limited to invoiced amount only.
6. In case of feedback/ complaints, please send an email at sm.iemeco@gmail.com

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
 (Akanksha Sourabh)	 (Dr. S. C. Jain)
Dy. Technical Manager	Director

----End of Report----



INSTITUTE FOR ENVIRONMENTAL MANAGEMENT

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



TC-19126

TEST REPORT

ULR No.:	T	C	1	6	1	3	5	2	6	0	0	0	0	0	0	5	0	8
Discipline: Chemical			Group: Pollution & Environment						Sub-Group: Waste Water									
Report Issue Date: 21-02-2026									Test Report No.: RN-240930003WW04									
Sample ID: 260218PE01004									Sample Description: Waste Water (Effluent)									
Challan No./P.O. No.: N/A									Challan No./ P.No. Date: 30-09-2024									
Name and Contact Details of Customer: P & C Dept. Email id.- pnc.ranchi@prabhaenergy.com Prabha Energy Ltd.(PEL), NK CBM Block, 4th Floor, Rishab Complex Opposite Ashok Nagar Road No.4 Landmark Above Bank Of India, Ranchi, Jharkhand 834002																		
Information obtained from customer (if any): N/A																		
Type of Industry: Energy									Condition of Sample: Fit For Test									
Sampling Protocol: I.S.17614(Part-1):2025									Sampling Date: 18-02-2026									
Protocol: CPCB Guideline & IS Method 3025 Series																		
Sampling Location: NK # 6																		
Field Meteorological Information			A. Temp. (°C): 24			R.H. (%): 59			W.C.: Semi-Cloudy			W.D.: SW to NE						
Location of performance of the Laboratory Activity: IEM Laboratory, Ranchi																		
Sample Receiving Date: 18-02-2026					Testing Started: 18-02-2026					Testing Ended: 21-02-2026								

----Test Results----

Sl. No.	Tested Parameters	Unit	Method No.	Norms**	Results
1.	pH value at 25°C	----	IS 3025 (Part-11)	5.5 to 9.0	6.3
2.	Temperature	°C	APHA 3111 B:2023	Shall not exceed 5°C above the receiving water temp.	27.2
3.	Total Suspended Solids (TSS)	mg/l	IS 3025 (Part-17)	100	34
4.	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part-16)	--	583
5.	Biological Oxygen Demand (BOD)	mg/l	IS 3025 (Part-44)	30	11.7
6.	Chemical Oxygen Demand (COD)	mg/l	IS 3025 (Part-58)	250	24
7.	Sulphate (as SO ₄)	mg/l	IS 3025 (Part-24)	--	6.6
8.	Copper	mg/l	APHA: 3111B.2023	3.0	BDL(MDL-0.2)
9.	Lead	mg/l	APHA: 3111B.2023	0.1	BDL(MDL-0.2)
10.	Zinc	mg/l	APHA: 3111B.2023	5.0	BDL(MDL-0.2)
11.	Nickel	mg/l	APHA: 3111B.2023	3.0	BDL(MDL-0.2)
12.	Chloride	mg/l	IS 3025 (Part-32)	--	46
13.	Sodium	mg/l	IS 3025 (Part-24)	--	78.3

Specific Contractual Notes :-

1. The laboratory accepts responsibility for content of this report.
2. This report shall not be reproduced except in full, without approval of the MD.
3. This report is intended for only guidance and not for legal purpose or for advertisement.
4. Any complaint about this report should be communicated in writing within 7 days of its issue.
5. Total liability of Institute for Environmental Management will be limited to invoiced amount only.
6. In case of feedback/ complaints, please send an email at gm.iemeco@gmail.com

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

(Akanksha Sourabh)

(Dr. S. C. Jain)

Dy. Technical Manager

Director

----End of Report----



INSTITUTE FOR ENVIRONMENTAL MANAGEMENT

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



TC-16136

TEST REPORT

Sl. No.	Tested Parameters	Unit	Method No.	Norms ^{oo}	Results
14.	Mercury	mg/l	APHA: 3112B.2023	0.01	BDL(MDL-0.05)
15.	Total Chromium	mg/l	APHA: 3111B.2023	2.0	BDL(MDL-0.2)
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.2023	0.1	BDL(MDL-0.01)
20.	Fluoride	mg/l	IS 3025 (Part-52)	2.0	0.41
21.	Sulphide	mg/l	IS 3025 (Part-29)	2.0	BDL(MDL-0.05)
22.	Cyanides	mg/l	IS 3025 (Part-27)	0.2	BDL(MDL-0.1)

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	Sample Comply with prescribed specification.
Opinion & Interpretation	Not Practiced.
Tested by	Shubham Pushp
Sample Drawn by	Rajeev Singh & team
Disclaimers	<ul style="list-style-type: none"> The results relate only to the item tested, calibrated or sampled. Additions to, deviations, or exclusions from the method is not practiced if not mentioned. Results from external providers are not used if not specified.

Specific Contractual Notes :-

- The laboratory accepts responsibility for content of this report.
- This report shall not be reproduced except in full, without approval of the MD.
- This report is intended for only guidance and not for legal purpose or for advertisement.
- Any complaint about this report should be communicated in writing within 7 days of its issue.
- Total liability of Institute for Environmental Management will be limited to invoiced amount only.
- In case of feedback/ complaints, please send an email at sm.iemeco@gmail.com

Reviewed by

Authorized Signatory

Akanksha Sourabh

Dr. S. C. Jain

(Akanksha Sourabh)

(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.

Dy. Technical Manager

Director

---End of Report---



INSTITUTE FOR ENVIRONMENTAL MANAGEMENT

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



TEST REPORT

Discipline: Chemical		Group: Pollution & Environment		Sub-Group: Waste Water	
Report Issue Date: 21-02-2026			Test Report No.: RN-240930003WW04		
Sample ID: 260218PE01004			Sample Description: Waste Water (Effluent)		
Challan No./P.O. No.: N/A			Challan No./ P.No. Date: 30-09-2024		
Name and Contact Details of Customer: P & C Dept. Email id.- pnc.ranchi@prabhaenergy.com Prabha Energy Ltd.(PEL), NK CBM Block, 4th Floor, Rishab Complex Opposite Ashok Nagar Road No.4 Landmark Above Bank Of India, Ranchi, Jharkhand 834002					
Information obtained from customer (if any): N/A					
Type of Industry: Energy			Condition of Sample: Fit For Test		
Sampling Protocol: I.S.17614(Part-1):2025			Sampling Date: 18-02-2026		
Protocol: CPCB Guideline & IS Method 3025 Series					
Sampling Location: NK # 6					
Field Meteorological Information		A. Temp. (°C): 24	R.H. (%): 59	W.C.: Semi-Cloudy	W.D.: SW to NE
Location of performance of the Laboratory Activity: IEM Laboratory, Ranchi					
Sample Receiving Date: 18-02-2026		Testing Started: 18-02-2026		Testing Ended: 21-02-2026	

----Test Results----

Sl. No.	Tested Parameters	Unit	Method No.	Norms**	Results
23.	Salinity	-	APHA 2520 B:2023	--	5.31
24.	Lithium	mg/l	APHA 3111 B:2023	--	BDL(MDL-0.2)

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	Sample Comply with prescribed specification.
Opinion & Interpretation	Not Practiced.
Tested by	Shubham Pushp
Sample Drawn by	Rajeev Singh & team
Disclaimers	<ul style="list-style-type: none"> The results relate only to the item tested, calibrated or sampled. Additions to, deviations, or exclusions from the method is not practiced if not mentioned. Results from external providers are not used if not specified.

Specific Contractual Notes:-

1. The laboratory accepts responsibility for content of this report.
2. This report shall not be reproduced except in full, without approval of the MD.
3. This report is intended for only guidance and not for legal purpose or for advertisement.
4. Any complaint about this report should be communicated in writing within 7 days of its issue.
5. Total liability of Institute for Environmental Management will be limited to invoiced amount only.
6. In case of feedback/ complaints, please send an email at sm.jemeco@gmail.com

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
(Akanksha Sourabh)	(Dr. S. C. Jain)
Dy. Technical Manager	Director

----End of Report----



INSTITUTE FOR ENVIRONMENTAL MANAGEMENT

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



TC-16133

TEST REPORT

Sl. No.	Tested Parameters	Unit	Method No.	Norms**	Results
14.	Mercury	mg/l	APHA: 3112B.2023	0.01	BDL(MDL-0.05)
15.	Total Chromium	mg/l	APHA: 3111B.2023	2.0	BDL(MDL-0.2)
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.2023	0.1	BDL(MDL-0.01)
20.	Fluoride	mg/l	IS 3025 (Part-52)	2.0	0.34
21.	Sulphide	mg/l	IS 3025 (Part-29)	2.0	BDL(MDL-0.05)
22.	Cyanides	mg/l	IS 3025 (Part-27)	0.2	BDL(MDL-0.1)

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	Sample Comply with prescribed specification.
Opinion & Interpretation	Not Practiced.
Tested by	Shubham Pushp
Sample Drawn by	Rajeev Singh& team
Disclaimers	<ul style="list-style-type: none"> The results relate only to the item tested, calibrated or sampled. Additions to, deviations, or exclusions from the method is not practiced if not mentioned. Results from external providers are not used if not specified.

Specific Contractual Notes :-

- The laboratory accepts responsibility for content of this report.
- This report shall not be reproduced except in full, without approval of the MD.
- This report is intended for only guidance and not for legal purpose or for advertisement.
- Any complaint about this report should be communicated in writing within 7 days of its issue.
- Total liability of Institute for Environmental Management will be limited to invoiced amount only.
- In case of feedback/ complaints, please send an email at sm.iemeco@gmail.com

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

(Signature) *(Signature)*

(Akanksha Sourabh) (D) S. C. Jain

Dy. Technical Manager Director

---End of Report---



INSTITUTE FOR ENVIRONMENTAL MANAGEMENT

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



TEST REPORT

Discipline: Chemical		Group: Pollution & Environment		Sub-Group: Waste Water	
Report Issue Date: 21-02-2026			Test Report No.: RN-240930003WW05		
Sample ID: 260218PPE01005			Sample Description: Waste Water (Effluent)		
Challan No./P.O. No.: N/A			Challan No./ P.No. Date: 30-09-2024		
Name and Contact Details of Customer: P & C Dept. Email id.- pnc.ranchi@prabhaenergy.com Prabha Energy Ltd.(PEL), NK CBM Block, 4th Floor, Rishab Complex Opposite Ashok Nagar Road No.4 Landmark Above Bank Of India, Ranchi, Jharkhand 834002					
Information obtained from customer (if any): N/A					
Type of Industry: Energy			Condition of Sample: Fit For Test		
Sampling Protocol: I.S.17614(Part-1):2025			Sampling Date: 18-02-2026		
Protocol: CPCB Guideline & IS Method 3025 Series					
Sampling Location: NK # 40					
Field Meteorological Information		A. Temp. (°C): 24	R.H. (%): 59	W.C.: Semi-Cloudy	W.D.: SW to NE
Location of performance of the Laboratory Activity: IEM Laboratory, Ranchi					
Sample Receiving Date: 18-02-2026		Testing Started: 18-02-2026		Testing Ended: 21-02-2026	

----Test Results----

Sl. No.	Tested Parameters	Unit	Method No.	Norms**	Results
23.	Salinity	-	APHA 2520 B:2023	--	5.26
24.	Lithium	mg/l	APHA 3111 B:2023	--	BDL(MDL-0.2)

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	Sample Comply with prescribed specification.
Opinion & Interpretation	Not Practiced.
Tested by	Shubham Pushp
Sample Drawn by	Rajeev Singh & team
Disclaimers	<ul style="list-style-type: none"> The results relate only to the item tested, calibrated or sampled. Additions to, deviations, or exclusions from the method is not practiced if not mentioned. Results from external providers are not used if not specified.

Specific Contractual Notes: -

- The laboratory accepts responsibility for content of this report.
- This report shall not be reproduced except in full, without approval of the MD.
- This report is intended for only guidance and not for legal purpose or for advertisement.
- Any complaint about this report should be communicated in writing within 7 days of its issue.
- Total liability of Institute for Environmental Management will be limited to invoiced amount only.
- In case of feedback/ complaints, please send an email at sm_iemeco@gmail.com

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

(Akanksha Sourabh)

Dr. S. C. Jain

Dy. Technical Manager

Director

----End of Report----



INSTITUTE FOR ENVIRONMENTAL MANAGEMENT

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



TEST REPORT

ULR No.:	T	C	1	6	1	3	3	2	6	0	0	0	0	0	0	5	1	1
Discipline: Chemical			Group: Pollution & Environment						Sub-Group: Waste Water									
Report Issue Date: 21-02-2026									Test Report No.: RN-240930003WW07									
Sample ID: 260218PE01007									Sample Description: Waste Water (Effluent)									
Challan No./P.O. No.: N/A									Challan No./ P.No. Date: 30-09-2024									
Name and Contact Details of Customer: P & C Dept. Email id.- pnc.ranchi@prabhaenergy.com Prabha Energy Ltd.(PEL), NK CBM Block, 4th Floor, Rishab Complex Opposite Ashok Nagar Road No.4 Landmark Above Bank Of India, Ranchi, Jharkhand 834002																		
Information obtained from customer (if any): N/A																		
Type of Industry: Energy									Condition of Sample: Fit For Test									
Sampling Protocol: I.S.17614(Part-1):2025									Sampling Date: 18-02-2026									
Protocol: CPCB Guideline & IS Method 3025 Series																		
Sampling Location: NK # 64																		
Field Meteorological Information			A. Temp. (°C): 24			R.H. (%): 59			W.C.: Semi-Cloudy			W.D.: SW to NE						
Location of performance of the Laboratory Activity: IEM Laboratory, Ranchi																		
Sample Receiving Date: 18-02-2026						Testing Started: 18-02-2026						Testing Ended: 21-02-2026						

----Test Results----

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.	Temperature	°C	APHA 3111 B:2023	Shall not exceed 5°C above the receiving water temp.	26.9
3.	Total Suspended Solids (TSS)	mg/l	IS 3025 (Part-17)	100	38
4.	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part-16)	--	615
5.	Biological Oxygen Demand (BOD)	mg/l	IS 3025 (Part-44)	30	23.6
6.	Chemical Oxygen Demand (COD)	mg/l	IS 3025 (Part-58)	250	92
7.	Sulphate (as SO ₄)	mg/l	IS 3025 (Part-24)	--	9.8
8.	Copper	mg/l	APHA: 3111B.2023	3.0	BDL(MDL-0.2)
9.	Lead	mg/l	APHA: 3111B.2023	0.1	BDL(MDL-0.2)
10.	Zinc	mg/l	APHA: 3111B.2023	5.0	BDL(MDL-0.2)
11.	Nickel	mg/l	APHA: 3111B.2023	3.0	BDL(MDL-0.2)
12.	Chloride	mg/l	IS 3025 (Part-32)	--	49
13.	Sodium	mg/l	IS 3025 (Part-24)	--	44.18

Specific Contractual Notes: -

1. The laboratory accepts responsibility for content of this report.
2. This report shall not be reproduced except in full, without approval of the MD.
3. This report is intended for only guidance and not for legal purpose or for advertisement.
4. Any complaint about this report should be communicated in writing within 7 days of its issue.
5. Total liability of Institute for Environmental Management will be limited to invoiced amount only.
6. In case of feedback/ complaints, please send an email at sm.iemeco@gmail.com

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
(Akanksha Sourabh)	(Dr. S. C. Jain)
Dy. Technical Manager	Director

----End of Report----



INSTITUTE FOR ENVIRONMENTAL MANAGEMENT

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 - icm2012@rediffmail.com



TC-18135

TEST REPORT

Sl. No.	Tested Parameters	Unit	Method No.	Norms ^{n n}	Results
14.	Mercury	mg/l	APHA: 3112B.2023	0.01	BDL(MDL-0.05)
15.	Total Chromium	mg/l	APHA: 3111B.2023	2.0	BDL(MDL-0.2)
16.	Total Solid	mg/l	IS 3025	--	656
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.2023	0.1	BDL(MDL-0.01)
20.	Fluoride	mg/l	IS 3025 (Part-52)	2.0	0.38
21.	Sulphide	mg/l	IS 3025 (Part-29)	2.0	BDL(MDL-0.05)
22.	Cyanides	mg/l	IS 3025 (Part-27)	0.2	BDL(MDL-0.1)

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	Sample Comply with prescribed specification.
Opinion & Interpretation	Not Practiced.
Tested by	Shubham Pushp
Sample Drawn by	Rajeev Singh & team
Disclaimers	<ul style="list-style-type: none">The results relate only to the item tested, calibrated or sampled.Additions to, deviations, or exclusions from the method is not practiced if not mentioned.Results from external providers are not used if not specified.

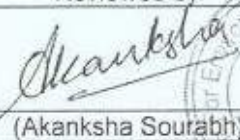
Specific Contractual Notes: -

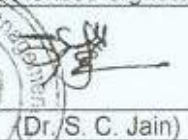
- The laboratory accepts responsibility for content of this report.
- This report shall not be reproduced except in full, without approval of the MD.
- This report is intended for only guidance and not for legal purpose or for advertisement.
- Any complaint about this report should be communicated in writing within 7 days of its issue.
- Total liability of Institute for Environmental Management will be limited to invoiced amount only.
- In case of feedback/ complaints, please send an email at sm.iemeco@gmail.com

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


(Akanksha Sourabh)


(Dr. S. C. Jain)

Dy. Technical Manager

Director

----End of Report----



INSTITUTE FOR ENVIRONMENTAL MANAGEMENT

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



TEST REPORT

Discipline: Chemical	Group: Pollution & Environment	Sub-Group: Waste Water
Report Issue Date: 21-02-2026	Test Report No.: RN-240930003WW07	
Sample ID: 260218PE01007	Sample Description: Waste Water (Effluent)	
Challan No./P.O. No.: N/A	Challan No./ P.No. Date: 30-09-2024	
Name and Contact Details of Customer: P & C Dept. Email id.- pnc.ranchi@prabhaenergy.com Prabha Energy Ltd.(PEL), NK CBM Block, 4th Floor, Rishab Complex Opposite Ashok Nagar Road No.4 Landmark Above Bank Of India, Ranchi, Jharkhand 834002		
Information obtained from customer (if any): N/A		
Type of Industry: Energy	Condition of Sample: Fit For Test	
Sampling Protocol: I.S.17614(Part-1):2025	Sampling Date: 18-02-2026	
Protocol: CPCB Guideline & IS Method 3025 Series		
Sampling Location: NK # 64		
Field Meteorological Information	A. Temp. (°C): 24	R.H. (%): 59
	W.C.: Semi-Cloudy	W.D.: SW to NE
Location of performance of the Laboratory Activity: IEM Laboratory, Ranchi		
Sample Receiving Date: 18-02-2026	Testing Started: 18-02-2026	Testing Ended: 21-02-2026

----Test Results----

Sl. No.	Tested Parameters	Unit	Method No.	Norms**	Results
23.	Salinity	-	APHA 2520 B:2023	--	4.93
24.	Lithium	mg/l	APHA 3111 B:2023	--	BDL(MDL-0.2)

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	Sample Comply with prescribed specification.
Opinion & Interpretation	Not Practiced.
Tested by	Shubham Pushp
Sample Drawn by	Rajeev Singh & team
Disclaimers	<ul style="list-style-type: none"> The results relate only to the item tested, calibrated or sampled. Additions to, deviations, or exclusions from the method is not practiced if not mentioned. Results from external providers are not used if not specified.

Specific Contractual Notes:-

- The laboratory accepts responsibility for content of this report.
- This report shall not be reproduced except in full, without approval of the MD.
- This report is intended for only guidance and not for legal purpose or for advertisement.
- Any complaint about this report should be communicated in writing within 7 days of its issue.
- Total liability of Institute for Environmental Management will be limited to invoiced amount only.
- In case of feedback/ complaints, please send an email at sm.iemeco@gmail.com

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
(Akanksha Sourabh)	(Dr. S. C. Jain)
Dy. Technical Manager	Director

----End of Report----



INSTITUTE FOR ENVIRONMENTAL MANAGEMENT

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



TC-16135

TEST REPORT

ULR No.:	T	C	1	6	1	3	5	2	6	0	0	0	0	0	0	4	9	6
Discipline: Chemical	Group: Atmospheric Pollution						Sub-Group: Stack Emission											
Report Issue Date: 21-02-2025	Test Report No.: RN-240930003S1																	
Sample ID: 260218AP03001	Sample Description: Stack Emission																	
Challan No./P.O. No.: N/A	Challan No./ P.No. Date: 30-09-2024																	
Name and Contact Details of Customer: P & C Dept. Email id.- pnc.ranchi@prabhaenergy.com Prabha Energy Ltd.(PEL), NK CBM Block, 4th Floor, Rishab Complex Opposite Ashok Nagar Road No.4 Landmark Above Bank Of India, Ranchi, Jharkhand 834002																		
Type of Industry: Energy	Condition of Sample: Fit for Test																	
Sampling Protocol: IS:11255: 2009	Sampling Date: 17-02-2025																	
Protocol: CPCB Guideline (LATS/80/2013-14) & IS Method 11255 Series																		
Sampling Location: NK#09																		
Field Meteorological Information	A. Temp. (°C): 24			R.H. (%): 59			W.C.: Sunny			W.D.: SW to NE								
Location of performance of the Laboratory Activity: IEM Laboratory, Ranchi																		
Sample Receiving Date: 17-02-2025					Testing Started: 17-02-2025					Testing Ended: 21-02-2025								

Information obtained from Customer

Stack Identification	NK#09	Sampling Port	Available
Plat Form	Temporary	Stack Height from Ground Level (m)	1.828
Stack Description	Single	Port Hole Height from Ground Level (m)	1.828
Shape of Stack	Circular	Inner Dimension of Stack (m)	0.08
Construction Material	MS	Pollution Control Device (if any)	----

Flue Gas Temperature (K): 398	Flue Gas Velocity (m/s): 9.8	Flue Gas Volumetric Flow Rate (Nm ³ /hr): 128.9
-------------------------------	------------------------------	--

-----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 ₂)	IS 11255 (Part-7)	g/kw-hr	0.44	--
3.	Carbon Monoxide (CO)	IS 13270	g/kw-hr	0.42	≤3.5

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	As per the IS Method 11255 Series.
Remark	Sample Comply with prescribed specification.
Opinion & Interpretation	Not Practiced.
Tested by	Anjali Kumari
Sample Drawn by	Rajeev Singh & team
Disclaimers	<ul style="list-style-type: none"> The results relate only to the item tested, calibrated or sampled. Additions to, deviations, or exclusions from the method is not practiced if not mentioned. Results from external providers are not used if not specified.

Specific Contractual Notes :-

- The laboratory accepts responsibility for content of this report.
- This report shall not be reproduced except in full, without approval of the MD.
- This report is intended for only guidance and not for legal purpose or for advertisement.
- Any complaint about this report should be communicated in writing within 7 days of its issue.
- Total liability of Institute for Environmental Management will be limited to invoiced amount only.
- In case of feedback/ complaints, please send an email at sm.iemeco@gmail.com

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

Akanksha Sourabh
 (Akanksha Sourabh)

Dy Technical Manager

S. C. Jain
 (S. C. Jain)

Director

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



INSTITUTE FOR ENVIRONMENTAL MANAGEMENT

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



TEST REPORT

Discipline: Chemical	Group: Atmospheric Pollution	Sub-Group: Stack Emission
Report Issue Date: 21-02-2025	Test Report No.: RN-240930003S1	
Sample ID: 260218AP03001	Sample Description: Stack Emission	
Challan No./P.O. No.: N/A	Challan No./ P.No. Date: 30-09-2024	
Name and Contact Details of Customer: P & C Dept. Email id.- pnc.ranchi@prabhaenergy.com Prabha Energy Ltd.(PEL), NK CBM Block, 4th Floor, Rishab Complex Opposite Ashok Nagar Road No.4 Landmark Above Bank Of India, Ranchi, Jharkhand 834002		
Type of Industry: Energy	Condition of Sample: Fit for Test	
Sampling Protocol: IS:11255: 2009	Sampling Date: 17-02-2025	
Protocol: CPCB Guideline (LATS/80/2013-14) & IS Method 11255 Series		
Sampling Location: NK#09		
Field Meteorological Information	A. Temp. (°C): 24	R.H. (%): 59
	W.C.: Sunny	W.D.: SW to NE
Location of performance of the Laboratory Activity: IEM Laboratory, Ranchi		
Sample Receiving Date: 17-02-2025	Testing Started: 17-02-2025	Testing Ended: 21-02-2025

Information obtained from Customer

Stack Identification	NK#09	Sampling Port	Available
Plat Form	Temporary	Stack Height from Ground Level (m)	1.828
Stack Description	Single	Port Hole Height from Ground Level (m)	1.828
Shape of Stack	Circular	Inner Dimension of Stack (m)	0.08
Construction Material	MS	Pollution Control Device (if any)	----

Flue Gas Temperature (K): 398	Flue Gas Velocity (m/s): 9.8	Flue Gas Volumetric Flow Rate (Nm³/hr): 128.9
--------------------------------------	-------------------------------------	---

-----Test Result -----

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

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	As per the IS Method 11255 Series.
Remark	Sample Comply with prescribed specification.
Opinion & Interpretation	Not Practiced.
Tested by	Anjali Kumari
Sample Drawn by	Rajeev Singh & team
Disclaimers	<ul style="list-style-type: none"> The results relate only to the item tested, calibrated or sampled. Additions to, deviations, or exclusions from the method is not practiced if not mentioned. Results from external providers are not used if not specified.

Specific Contractual Notes: -

- The laboratory accepts responsibility for content of this report.
- This report shall not be reproduced except in full, without approval of the MD.
- This report is intended for only guidance and not for legal purpose or for advertisement.
- Any complaint about this report should be communicated in writing within 7 days of its issue.
- Total liability of Institute for Environmental Management will be limited to invoiced amount only.
- In case of feedback/ complaints, please send an email at sm.iemeco@gmail.com

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

(Signature)
 (Akanksha Sourabh) (Dr. S. C. Jain)

Dy Technical Manager Director

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



INSTITUTE FOR ENVIRONMENTAL MANAGEMENT

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



TC-16135

TEST REPORT

ULR No.:	T	C	1	6	1	3	5	2	6	0	0	0	0	0	0	4	9	7	
Discipline: Chemical	Group: Atmospheric Pollution										Sub-Group: Stack Emission								
Report Issue Date: 21-02-2025	Test Report No.: RN-240930003S2																		
Sample ID: 260218AP03002	Sample Description: Stack Emission																		
Challan No./P.O. No.: N/A	Challan No./ P.No. Date: 30-09-2024																		
Name and Contact Details of Customer: P & C Dept.																			
Email id.- pnc.ranchi@prabhaenergy.com																			
Prabha Energy Ltd.(PEL), NK CBM Block,																			
4th Floor, Rishab Complex Opposite Ashok Nagar Road No.4																			
Landmark Above Bank Of India, Ranchi, Jharkhand 834002																			
Type of Industry: Energy	Condition of Sample: Fit for Test																		
Sampling Protocol: IS:11255: 2009	Sampling Date: 17-02-2025																		
Protocol: CPCB Guideline (LATS/80/2013-14) & IS Method 11255 Series																			
Sampling Location: NK#10																			
Field Meteorological Information	A. Temp. (°C): 24					R.H. (%): 59					W.C.: Sunny				W.D.: SW to NE				
Location of performance of the Laboratory Activity: IEM Laboratory, Ranchi																			
Sample Receiving Date: 17-02-2025	Testing Started: 17-02-2025						Testing Ended: 21-02-2025												

Information obtained from Customer

Stack Identification	NK#10	Sampling Port	Available
Plat Form	Temporary	Stack Height from Ground Level (m)	1.828
Stack Description	Single	Port Hole Height from Ground Level (m)	1.828
Shape of Stack	Circular	Inner Dimension of Stack (m)	0.08
Construction Material	MS	Pollution Control Device (if any)	----

Flue Gas Temperature (K): 396	Flue Gas Velocity (m/s): 10.3	Flue Gas Volumetric Flow Rate (Nm ³ /hr): 136.5
-------------------------------	-------------------------------	--

-----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 ₂)	IS 11255 (Part-7)	g/kw-hr	0.46	--
3.	Carbon Monoxide (CO)	IS 13270	g/kw-hr	0.71	≤3.5

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	As per the IS Method 11255 Series.
Remark	Sample Comply with prescribed specification.
Opinion & Interpretation	Not Practiced.
Tested by	Anjali Kumari
Sample Drawn by	Rajeev Singh & team
Disclaimers	<ul style="list-style-type: none"> The results relate only to the item tested, calibrated or sampled. Additions to, deviations, or exclusions from the method is not practiced if not mentioned. Results from external providers are not used if not specified.

Specific Contractual Notes: -

- The laboratory accepts responsibility for content of this report.
- This report shall not be reproduced except in full, without approval of the MD.
- This report is intended for only guidance and not for legal purpose or for advertisement.
- Any complaint about this report should be communicated in writing within 7 days of its issue.
- Total liability of Institute for Environmental Management will be limited to invoiced amount only.
- In case of feedback/ complaints, please send an email at sm.iemeco@gmail.com

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

(Akanksha Sourabh) (Dr. S. C. Jain)

Dy Technical Manager

Director

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



INSTITUTE FOR ENVIRONMENTAL MANAGEMENT

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



TEST REPORT

Discipline: Chemical		Group: Atmospheric Pollution		Sub-Group: Stack Emission	
Report Issue Date: 21-02-2025			Test Report No.: RN-24093000352		
Sample ID: 260218AP03002			Sample Description: Stack Emission		
Challan No./P.O. No.: N/A			Challan No./ P.No. Date: 30-09-2024		
Name and Contact Details of Customer: P & C Dept. Email id.- pnc.ranchi@prabhaenergy.com Prabha Energy Ltd.(PEL), NK CBM Block, 4th Floor, Rishab Complex Opposite Ashok Nagar Road No.4 Landmark Above Bank Of India, Ranchi, Jharkhand 834002					
Type of Industry: Energy			Condition of Sample: Fit for Test		
Sampling Protocol: IS:11255: 2009			Sampling Date: 17-02-2025		
Protocol: CPCB Guideline (LATS/80/2013-14) & IS Method 11255 Series					
Sampling Location: NK#10					
Field Meteorological Information		A. Temp. (°C): 24	R.H. (%): 59	W.C.: Sunny	W.D.: SW to NE
Location of performance of the Laboratory Activity: IEM Laboratory, Ranchi					
Sample Receiving Date: 17-02-2025		Testing Started: 17-02-2025		Testing Ended: 21-02-2025	

Information obtained from Customer

Stack Identification	NK#10	Sampling Port	Available
Plat Form	Temporary	Stack Height from Ground Level (m)	1.828
Stack Description	Single	Port Hole Height from Ground Level (m)	1.828
Shape of Stack	Circular	Inner Dimension of Stack (m)	0.08
Construction Material	MS	Pollution Control Device (if any)	----

Flue Gas Temperature (K): 396	Flue Gas Velocity (m/s): 10.3	Flue Gas Volumetric Flow Rate (Nm³/hr): 136.5
--------------------------------------	--------------------------------------	---

-----Test Result-----

SI. NO.	Parameters	Test Methods	Unit	Result	Limits
4.	Total Hydrocarbon (THC)	IEM/SOP/AIR	g/kw-hr	0.35	---
5.	Smoke Limit	IEM/SOP/AIR	m-1	<1	≤0.7

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	As per the IS Method 11255 Series.
Remark	Sample Comply with prescribed specification.
Opinion & Interpretation	Not Practiced.
Tested by	Anjali Kumari
Sample Drawn by	Rajeev Singh & team
Disclaimers	<ul style="list-style-type: none"> The results relate only to the item tested, calibrated or sampled. Additions to, deviations, or exclusions from the method is not practiced if not mentioned. Results from external providers are not used if not specified.

Specific Contractual Notes -

- The laboratory accepts responsibility for content of this report.
- This report shall not be reproduced except in full, without approval of the MD.
- This report is intended for only guidance and not for legal purpose or for advertisement.
- Any complaint about this report should be communicated in writing within 7 days of its issue.
- Total liability of Institute for Environmental Management will be limited to invoiced amount only.
- In case of feedback/ complaints, please send an email at sm_iemeco@gmail.com

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
(Akanksha Sourabh)	(Dr. S. C. Jain)
Dy Technical Manager	Director

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



INSTITUTE FOR ENVIRONMENTAL MANAGEMENT

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



TC-16155

TEST REPORT

ULR No.:	T	C	1	6	1	3	5	2	6	0	0	0	0	0	0	4	9	8
Discipline: Chemical	Group: Atmospheric Pollution										Sub-Group: Stack Emission							
Report Issue Date: 21-02-2025	Test Report No.: RN-240930003S3																	
Sample ID: 260218AP03003	Sample Description: Stack Emission																	
Challan No./P.O. No.: N/A	Challan No./ P.No. Date: 30-09-2024																	
Name and Contact Details of Customer: P & C Dept. Email id.- pnc.ranchi@prabhaenergy.com Prabha Energy Lid.(PEL), NK CBM Block, 4th Floor, Rishab Complex Opposite Ashok Nagar Road No.4 Landmark Above Bank Of India, Ranchi, Jharkhand 834002																		
Type of Industry: Energy	Condition of Sample: Fit for Test																	
Sampling Protocol: IS:11255: 2009	Sampling Date: 17-02-2025																	
Protocol: CPCB Guideline (LATS/80/2013-14) & IS Method 11255 Series																		
Sampling Location: NK#13																		
Field Meteorological Information	A. Temp. (°C): 24					R.H. (%): 59					W.C.: Sunny				W.D.: SW to NE			
Location of performance of the Laboratory Activity: IEM Laboratory, Ranchi																		
Sample Receiving Date: 17-02-2025					Testing Started: 17-02-2025					Testing Ended: 21-02-2025								

Information obtained from Customer

Stack Identification	NK#13	Sampling Port	Available
Plat Form	Temporary	Stack Height from Ground Level (m)	1.828
Stack Description	Single	Port Hole Height from Ground Level (m)	1.828
Shape of Stack	Circular	Inner Dimension of Stack (m)	0.08
Construction Material	MS	Pollution Control Device (if any)	----

Flue Gas Temperature (K): 393	Flue Gas Velocity (m/s): 10.6	Flue Gas Volumetric Flow Rate (Nm ³ /hr): 141.0
-------------------------------	-------------------------------	--

-----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 ₂)	IS 11255 (Part-7)	g/kw-hr	0.37	--
3.	Carbon Monoxide (CO)	IS 13270	g/kw-hr	0.67	≤3.5

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	As per the IS Method 11255 Series.
Remark	Sample Comply with prescribed specification.
Opinion & Interpretation	Not Practiced.
Tested by	Anjali Kumari
Sample Drawn by	Rajeev Singh & team.
Disclaimers	<ul style="list-style-type: none"> The results relate only to the item tested, calibrated or sampled. Additions to, deviations, or exclusions from the method is not practiced if not mentioned. Results from external providers are not used if not specified.

Specific Contractual Notes :-

- The laboratory accepts responsibility for content of this report.
- This report shall not be reproduced except in full, without approval of the MD.
- This report is intended for only guidance and not for legal purpose or for advertisement.
- Any complaint about this report should be communicated in writing within 7 days of its issue.
- Total liability of Institute for Environmental Management will be limited to invoiced amount only.
- In case of feedback/ complaints, please send an email at sm.iemeco@gmail.com

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

(Signature)
 (Akanksha Sourabh) (Dr. S. C. Jain)
 Dy Technical Manager Director

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



INSTITUTE FOR ENVIRONMENTAL MANAGEMENT

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



TEST REPORT

Discipline: Chemical		Group: Atmospheric Pollution		Sub-Group: Stack Emission	
Report Issue Date: 21-02-2025			Test Report No.: RN-240920003S3		
Sample ID: 260218AP03003			Sample Description: Stack Emission		
Challan No./P.O. No.: N/A			Challan No./ P.No. Date: 30-09-2024		
Name and Contact Details of Customer: P & C Dept. Email id.- pnc.ranchi@prabhaenergy.com Prabha Energy Ltd.(PEL), NK CBM Block, 4th Floor, Rishab Complex Opposite Ashok Nagar Road No.4 Landmark Above Bank Of India, Ranchi, Jharkhand 834002					
Type of Industry: Energy			Condition of Sample: Fit for Test		
Sampling Protocol: IS:11255: 2009			Sampling Date: 17-02-2025		
Protocol: CPCB Guideline (LATS/80/2013-14) & IS Method 11255 Series					
Sampling Location: NK#13					
Field Meteorological Information		A. Temp. (°C): 24	R.H. (%): 59	W.C.: Sunny	W.D.: SW to NE
Location of performance of the Laboratory Activity: IEM Laboratory, Ranchi					
Sample Receiving Date: 17-02-2025		Testing Started: 17-02-2025		Testing Ended: 21-02-2025	

Information obtained from Customer

Stack Identification	NK#13	Sampling Port	Available
Plat Form	Temporary	Stack Height from Ground Level (m)	1.828
Stack Description	Single	Port Hole Height from Ground Level (m)	1.828
Shape of Stack	Circular	Inner Dimension of Stack (m)	0.08
Construction Material	MS	Pollution Control Device (if any)	----

Flue Gas Temperature (K): 393	Flue Gas Velocity (m/s): 10.6	Flue Gas Volumetric Flow Rate (Nm ³ /hr): 141.0
-------------------------------	-------------------------------	--

-----Test Result-----

Sl. NO.	Parameters	Test Methods	Unit	Result	Limits
4.	Total Hydrocarbon (THC)	IEM/SOP/AIR	g/kw-hr	0.37	---
5.	Smoke Limit	IEM/SOP/AIR	m-1	<1	≤0.7

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	As per the IS Method 11255 Series.
Remark	Sample Comply with prescribed specification.
Opinion & Interpretation	Not Practiced.
Tested by	Anjali Kumari
Sample Drawn by	Rajeev Singh & team
Disclaimers	<ul style="list-style-type: none"> The results relate only to the item tested, calibrated or sampled. Additions to, deviations, or exclusions from the method is not practiced if not mentioned. Results from external providers are not used if not specified.

Specific Contractual Notes: -

- The laboratory accepts responsibility for content of this report.
- This report shall not be reproduced except in full, without approval of the MD.
- This report is intended for only guidance and not for legal purpose or for advertisement.
- Any complaint about this report should be communicated in writing within 7 days of its issue.
- Total liability of Institute for Environmental Management will be limited to invoiced amount only.
- In case of feedback/ complaints, please send an email at sm.iemeco@gmail.com

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
(Akanksha Sourabh)	(Dr. S. C. Jain)
Dy Technical Manager	Director

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



INSTITUTE FOR ENVIRONMENTAL MANAGEMENT

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



TC-18138

TEST REPORT

ULR No.:	T	C	1	6	1	3	5	2	6	0	0	0	0	0	0	4	9	9
Discipline: Chemical	Group: Atmospheric Pollution							Sub-Group: Stack Emission										
Report Issue Date: 21-02-2025	Test Report No.: RN-24093000354																	
Sample ID: 260218AP03004	Sample Description: Stack Emission																	
Challan No./P.O. No.: N/A	Challan No./ P.No. Date: 30-09-2024																	
Name and Contact Details of Customer: P & C Dept. Email id.- pnc.ranchi@prabhaenergy.com Prabha Energy Ltd.(PEL), NK CBM Block, 4th Floor, Rishab Complex Opposite Ashok Nagar Road No.4 Landmark Above Bank Of India, Ranchi, Jharkhand 834002																		
Type of Industry: Energy	Condition of Sample: Fit for Test																	
Sampling Protocol: IS:11255: 2009	Sampling Date: 17-02-2025																	
Protocol: CPCB Guideline (LATS/80/2013-14) & IS Method 11255 Series																		
Sampling Location: NK#6																		
Field Meteorological Information	A. Temp. (°C): 24				R.H. (%): 59				W.C.: Sunny				W.D.: SW to NE					
Location of performance of the Laboratory Activity: IEM Laboratory, Ranchi																		
Sample Receiving Date: 17-02-2025					Testing Started: 17-02-2025					Testing Ended: 21-02-2025								

Information obtained from Customer

Stack Identification	NK#6	Sampling Port	Available
Plat Form	Temporary	Stack Height from Ground Level (m)	1.828
Stack Description	Single	Port Hole Height from Ground Level (m)	1.828
Shape of Stack	Circular	Inner Dimension of Stack (m)	0.08
Construction Material	MS	Pollution Control Device (if any)	----

Flue Gas Temperature (K): 413	Flue Gas Velocity (m/s): 10.3	Flue Gas Volumetric Flow Rate (Nm ³ /hr): 130.7
-------------------------------	-------------------------------	--

-----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 ₂)	IS 11255 (Part-7)	g/kw-hr	0.68	--
3.	Carbon Monoxide (CO)	IS 13270	g/kw-hr	0.66	≤3.5

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	As per the IS Method 11255 Series.
Remark	Sample Comply with prescribed specification.
Opinion & Interpretation	Not Practiced.
Tested by	Anjali Kumari
Sample Drawn by	Rajeev Singh & team
Disclaimers	<ul style="list-style-type: none"> The results relate only to the item tested, calibrated or sampled. Additions to, deviations, or exclusions from the method is not practiced if not mentioned. Results from external providers are not used if not specified.

Specific Contractual Notes: -

- The laboratory accepts responsibility for content of this report.
- This report shall not be reproduced except in full, without approval of the MD.
- This report is intended for only guidance and not for legal purpose or for advertisement.
- Any complaint about this report should be communicated in writing within 7 days of its issue
- Total liability of Institute for Environmental Management will be limited to invoiced amount only.
- In case of feedback/ complaints, please send an email at sm.iemeco@gmail.com

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

Akanksha Sourabh
(Akanksha Sourabh)

Dr. S. C. Jain
(Dr. S. C. Jain)

Dy Technical Manager Director

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



INSTITUTE FOR ENVIRONMENTAL MANAGEMENT

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



TEST REPORT

Discipline: Chemical		Group: Atmospheric Pollution		Sub-Group: Stack Emission	
Report Issue Date: 21-02-2025			Test Report No.: RN-240930003S4		
Sample ID: 260218AP03004			Sample Description: Stack Emission		
Challan No./P.O. No.: N/A			Challan No./ P.No. Date: 30-09-2024		
Name and Contact Details of Customer: P & C Dept, Email id.- pnc.ranchi@prabhaenergy.com Prabha Energy Ltd.(PEL), NK CBM Block, 4th Floor, Rishab Complex Opposite Ashok Nagar Road No.4 Landmark Above Bank Of India, Ranchi, Jharkhand 834002					
Type of Industry: Energy			Condition of Sample: Fit for Test		
Sampling Protocol: IS:11255: 2009			Sampling Date: 17-02-2025		
Protocol: CPCB Guideline (LATS/80/2013-14) & IS Method 11255 Series					
Sampling Location: NK#6					
Field Meteorological Information		A. Temp. (°C): 24	R.H. (%): 59	W.C.: Sunny	W.D.: SW to NE
Location of performance of the Laboratory Activity: IEM Laboratory, Ranchi					
Sample Receiving Date: 17-02-2025		Testing Started: 17-02-2025		Testing Ended: 21-02-2025	

Information obtained from Customer

Stack Identification	NK#6	Sampling Port	Available
Plat Form	Temporary	Stack Height from Ground Level (m)	1.828
Stack Description	Single	Port Hole Height from Ground Level (m)	1.828
Shape of Stack	Circular	Inner Dimension of Stack (m)	0.08
Construction Material	MS	Pollution Control Device (if any)	----

Flue Gas Temperature (K): 413	Flue Gas Velocity (m/s): 10.3	Flue Gas Volumetric Flow Rate (Nm³/hr): 130.7
--------------------------------------	--------------------------------------	---

-----Test Result -----

Sl. NO.	Parameters	Test Methods	Unit	Result	Limits
4.	Total Hydrocarbon (THC)	IEM/SOP/AIR	g/kw-hr	0.35	---
5.	Smoke Limit	IEM/SOP/AIR	m-1	<1	≤0.7

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	As per the IS Method 11255 Series.
Remark	Sample Comply with prescribed specification.
Opinion & Interpretation	Not Practiced.
Tested by	Anjali Kumari
Sample Drawn by	Rajeev Singh & team
Disclaimers	<ul style="list-style-type: none"> The results relate only to the item tested, calibrated or sampled. Additions to, deviations, or exclusions from the method is not practiced if not mentioned. Results from external providers are not used if not specified.

Specific Contractual Notes -

- The laboratory accepts responsibility for content of this report.
- This report shall not be reproduced except in full, without approval of the MD.
- This report is intended for only guidance and not for legal purpose or for advertisement.
- Any complaint about this report should be communicated in writing within 7 days of its issue.
- Total liability of Institute for Environmental Management will be limited to invoiced amount only.
- In case of feedback/ complaints, please send an email at sm.iemeco@gmail.com

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
(Akanksha Sourabh)	(Dr. S. C. Jain)
Dy Technical Manager	Director

----End of Report----



INSTITUTE FOR ENVIRONMENTAL MANAGEMENT

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



IC-16126

TEST REPORT

ULR No.:	T	C	1	6	1	3	5	2	6	0	0	0	0	0	0	0	0	0	0	
Discipline: Chemical	Group: Atmospheric Pollution										Sub-Group: Stack Emission									
Report Issue Date: 21-02-2025	Test Report No.: RN-240930003S5																			
Sample ID: 260218AP03005	Sample Description: Stack Emission																			
Challan No./P.O. No.: N/A	Challan No./ P.No. Date: 30-09-2024																			
Name and Contact Details of Customer: P & C Dept. Email id.- pnc.ranchi@prabhaenergy.com Prabha Energy Ltd.(PEL), NK CBM Block, 4th Floor, Rishab Complex Opposite Ashok Nagar Road No.4 Landmark Above Bank Of India, Ranchi, Jharkhand 834002																				
Type of Industry: Energy	Condition of Sample: Fit for Test																			
Sampling Protocol: IS:11255: 2009	Sampling Date: 17-02-2025																			
Protocol: CPCB Guideline (LATS/80/2013-14) & IS Method 11255 Series																				
Sampling Location: GCGDU																				
Field Meteorological Information	A. Temp. (°C): 24					R.H. (%): 59					W.C.: Sunny					W.D.: SW to NE				
Location of performance of the Laboratory Activity: IEM Laboratory, Ranchi																				
Sample Receiving Date: 17-02-2025					Testing Started: 17-02-2025					Testing Ended: 21-02-2025										

Information obtained from Customer

Stack Identification	GCGDU	Sampling Port	Available
Plat Form	Temporary	Stack Height from Ground Level (m)	1.828
Stack Description	Single	Port Hole Height from Ground Level (m)	1.828
Shape of Stack	Circular	Inner Dimension of Stack (m)	0.08
Construction Material	MS	Pollution Control Device (if any)	----

Flue Gas Temperature (K): 403	Flue Gas Velocity (m/s): 10.9	Flue Gas Volumetric Flow Rate (Nm ³ /hr): 142.1
-------------------------------	-------------------------------	--

----Test Result ----

Sl. NO.	Parameters	Test Methods	Unit	Result	Norms**
1.	Particulates Matter (PM)	IS 11255 (Part-1)	g/kw-hr	0.27	≤0.3
2.	Oxides of Nitrogen (NO ₂)	IS 11255 (Part-7)	g/kw-hr	0.51	--
3.	Carbon Monoxide (CO)	IS 13270	g/kw-hr	0.73	≤3.5

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	As per the IS Method 11255 Series.
Remark	Sample Comply with prescribed specification.
Opinion & Interpretation	Not Practiced.
Tested by	Anjali Kumari
Sample Drawn by	Rajeev Singh & team
Disclaimers	<ul style="list-style-type: none"> The results relate only to the item tested, calibrated or sampled. Additions to, deviations, or exclusions from the method is not practiced if not mentioned. Results from external providers are not used if not specified.

Specific Contractual Notes :-

- The laboratory accepts responsibility for content of this report.
- This report shall not be reproduced except in full, without approval of the MD.
- This report is intended for only guidance and not for legal purpose or for advertisement.
- Any complaint about this report should be communicated in writing within 7 days of its issue.
- Total liability of Institute for Environmental Management will be limited to invoiced amount only.
- In case of feedback/ complaints, please send an email at sm.iemeco@gmail.com

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
(Akanksha Sourabh)	(Dr. S. C. Jain)
Dy Technical Manager *	Director

----End of Report----



INSTITUTE FOR ENVIRONMENTAL MANAGEMENT

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



TEST REPORT

Discipline: Chemical		Group: Atmospheric Pollution		Sub-Group: Stack Emission	
Report Issue Date: 21-02-2025			Test Report No.: RN-24993000355		
Sample ID: 260218AP03005			Sample Description: Stack Emission		
Challan No./P.O. No.: N/A			Challan No./ P.No. Date: 30-09-2024		
Name and Contact Details of Customer: P & C Dept. Email id.- pnc.ranchi@prabhaenergy.com Prabha Energy Ltd.(PEL), NK CBM Block, 4th Floor, Rishab Complex Opposite Ashok Nagar Road No.4 Landmark Above Bank Of India, Ranchi, Jharkhand 834002					
Type of Industry: Energy			Condition of Sample: Fit for Test		
Sampling Protocol: IS:11255: 2009			Sampling Date: 17-02-2025		
Protocol: CPCB Guideline (LATS/80/2013-14) & IS Method 11255 Series					
Sampling Location: GCGDU					
Field Meteorological Information		A. Temp. (°C): 24	R.H. (%): 59	W.C.: Sunny	W.D.: SW to NE
Location of performance of the Laboratory Activity: IEM Laboratory, Ranchi					
Sample Receiving Date: 17-02-2025		Testing Started: 17-02-2025		Testing Ended: 21-02-2025	

Information obtained from Customer

Stack Identification	GCGDU	Sampling Port	Available
Plat Form	Temporary	Stack Height from Ground Level (m)	1.828
Stack Description	Single	Port Hole Height from Ground Level (m)	1.828
Shape of Stack	Circular	Inner Dimension of Stack (m)	0.08
Construction Material	MS	Pollution Control Device (if any)	----

Flue Gas Temperature (K): 403	Flue Gas Velocity (m/s): 10.9	Flue Gas Volumetric Flow Rate (Nm ³ /hr): 142.1
-------------------------------	-------------------------------	--

-----Test Result -----

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

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	As per the IS Method 11255 Series.
Remark	Sample Comply with prescribed specification.
Opinion & Interpretation	Not Practiced.
Tested by	Anjali Kumari
Sample Drawn by	Rajeev Singh & team
Disclaimers	<ul style="list-style-type: none"> The results relate only to the item tested, calibrated or sampled. Additions, deviations, or exclusions from the method is not practiced if not mentioned. Results from external providers are not used if not specified.

Specific Contractual Notes:-

- The laboratory accepts responsibility for content of this report
- This report shall not be reproduced except in full, without approval of the MD
- This report is intended for only guidance and not for legal purpose or for advertisement
- Any complaint about this report should be communicated in writing within 7 days of its issue
- Total liability of Institute for Environmental Management will be limited to invoiced amount only.
- In case of feedback/ complaints, please send an email at sm.iemeco@gmail.com

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
(Akanksha Sourabh)	(Dr. S. C. Jain)
Dy Technical Manager	Director

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



INSTITUTE FOR ENVIRONMENTAL MANAGEMENT

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



TC-14192

TEST REPORT

ULR No.:	T	C	1	6	1	3	5	2	6	0	0	0	0	0	4	8	6
Discipline: Chemical			Group: Atmospheric Pollution						Sub-Group: Ambient Air								
Report Issue Date: 21-02-2026									Test Report No.: RN-240930003A01								
Sample ID: 260218AP01001									Sample Description: Ambient Air								
Challan No./P.O. No.: N/A									Challan No./ P.No. Date: 30-09-2024								
Name and Contact Details of Customer: P & C Dept. Email id.- pnc.ranchi@prabhaenergy.com Prabha Energy Ltd.(PEL), NK CBM Block , 4th Floor, Rishab Complex Opposite Ashok Nagar Road No.4 Landmark Above Bank Of India, Ranchi, Jharkhand 834002																	
Information obtained from customer (if any):																	
Type of Industry: Energy									Condition of Sample: Fit For Test								
Sampling Protocol: IS:5182									Sampling Date: 17-02-2026 to 18-02-2026								
Protocol: CPCB Guideline(NAAQMS/36/2012-13) & IS Method 5182 Series																	
Sampling Location: NK # 09																	
Field Meteorological Information			A. Temp. (°C): 23			R.H. (%): 56			W.C.: Sunny			W.D.: SE to NW					
Location of performance of the Laboratory Activity: IEM Laboratory, Ranchi																	
Sample Receiving date:18-02-2026						Testing Started: 18-02-2026						Testing Ended: 21-02-2026					

----Test Results----

Sl.No.	Parameters	Test Method No.	Unit	Norms**	Results
1.	Particulate Matter (PM ₁₀)	IS 5182 Part 23:2006	µg/m ³	100	65.9
2.	Particulate Matter (PM _{2.5})	IS 5182 Part 24:2019	µg/m ³	60	31.4
3.	Sulphur Dioxide (SO ₂)	IS 5182 Part-02	µg/m ³	80	24.1
4.	Nitrogen Dioxide (NO ₂)	IS 5182 Part-06	µg/m ³	80	43.6
5.	Ammonia (NH ₃)	IS 5182 Part 25	µg/m ³	400	39.3
6.	Ozone (O ₃)	IS 5182 Part 09	µg/m ³	100	25.2
7.	Arsenic (as As)	USEPA I.O. 3.2	ng/m ³	----	BDL (MDL-2)
8.	Lead (as Pb)	IS 5182 Part 22	µg/m ³	1.0	0.05
9.	Nickel (Ni)	IS 5182 Part 26	ng/m ³	----	BDL (MDL-4)

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.
Remark	Sample Comply with prescribed specification.
Opinion & Interpretation	Not Practiced.
Tested by	Anjali Kumari
Sample Drawn by	Rajeev Singh & team
Disclaimers	<ul style="list-style-type: none"> The results relate only to the item tested, calibrated or sampled. Additions to, deviations, or exclusions from the method is not practiced if not mentioned. Results from external providers are not used if not specified.

Specific Contractual Notes :-

- The laboratory accepts responsibility for content of this report.
- This report shall not be reproduced except in full, without approval of the MD.
- This report is intended for only guidance and not for legal purpose or for advertisement.
- Any complaint about this report should be communicated in writing within 7 days of its issue.
- Total liability of Institute for Environmental Management will be limited to invoiced amount only.
- In case of feedback/ complaints, please send an email at sm.iemeco@gmail.com

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
(Akanksha Sourabh)	(Dr. S. C. Jain)
Dy. Technical Manager	Director

----End of Report----



INSTITUTE FOR ENVIRONMENTAL MANAGEMENT

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



TEST REPORT

Discipline: Chemical		Group: Atmospheric Pollution		Sub-Group: Ambient Air	
Report Issue Date: 21-02-2026			Test Report No.: RN-240930003A01		
Sample ID: 260218AP01001			Sample Description: Ambient Air		
Challan No./P.O. No.: N/A			Challan No./ P.No. Date: 30-09-2024		
Name and Contact Details of Customer: P & C Dept. Email id.- pnc.ranchi@prabhaenergy.com Prabha Energy Ltd.(PEL), NK CBM Block, 4th Floor, Rishab Complex Opposite Ashok Nagar Road No.4 Landmark Above Bank Of India, Ranchi, Jharkhand 834002					
Information obtained from customer (if any):					
Type of Industry: Energy			Condition of Sample: Fit For Test		
Sampling Protocol: IS:5182			Sampling Date: 17-02-2026 to 18-02-2026		
Protocol: CPCB Guideline(NAAQMS/36/2012-13) & IS Method 5182 Series					
Sampling Location: NK # 09					
Field Meteorological Information		A. Temp. (°C): 23	R.H. (%): 56	W.C.: Sunny	W.D.: SE to NW
Location of performance of the Laboratory Activity: IEM Laboratory, Ranchi					
Sample Receiving date:18-02-2026		Testing Started: 18-02-2026		Testing Ended: 21-02-2026	

----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 ³	----	BDL (MDL-0.18)
11.	Carbon Monoxide (CO)	IEM/SOP/Air-01:2022	mg/m ³	02	BDL(MDL-1.8)
12.	Benzene (C ₆ H ₆)	IS 5182 Part 11	µg/m ³	----	BDL (MDL- 0.06)

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.
Remark	Sample Comply with prescribed specification.
Opinion & Interpretation	Not Practiced.
Tested by	Anjali Kumari
Sample Drawn by	Rajeev Singh & team
Disclaimers	<ul style="list-style-type: none"> The results relate only to the item tested, calibrated or sampled. Additions to, deviations, or exclusions from the method is not practiced if not mentioned. Results from external providers are not used if not specified.

Specific Contractual Notes:-

- The laboratory accepts responsibility for content of this report.
- This report shall not be reproduced except in full, without approval of the MD.
- This report is intended for only guidance and not for legal purpose or for advertisement.
- Any complaint about this report should be communicated in writing within 7 days of its issue.
- Total liability of Institute for Environmental Management will be limited to invoiced amount only.
- In case of feedback/ complaints, please send an email at sm.iemeco@gmail.com

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
(Akanksha Sourabh)	(Dr. S. C. Jain)
Dy. Technical Manager	Director

----End of Report----



INSTITUTE FOR ENVIRONMENTAL MANAGEMENT

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



TC-16135

TEST REPORT

ULR No.:	T	C	1	6	1	3	5	2	6	0	0	0	0	0	4	8	7
Discipline: Chemical			Group: Atmospheric Pollution						Sub-Group: Ambient Air								
Report Issue Date: 21-02-2026									Test Report No.: RN-240930003A02								
Sample ID: 260218AP01002									Sample Description: Ambient Air								
Challan No./P.O. No.: N/A									Challan No./ P.No. Date: 30-09-2024								
Name and Contact Details of Customer: P & C Dept. Email id.- pnc.ranchi@prabhaenergy.com Prabha Energy Ltd.(PEL), NK CBM Block, 4th Floor, Rishab Complex Opposite Ashok Nagar Road No.4 Landmark Above Bank Of India, Ranchi, Jharkhand 834002																	
Information obtained from customer (if any):																	
Type of Industry: Energy									Condition of Sample: Fit For Test								
Sampling Protocol: IS:5182									Sampling Date: 17-02-2026 to 18-02-2026								
Protocol: CPCB Guideline(NAAQMS/36/2012-13) & IS Method 5182 Series																	
Sampling Location: NK # 10																	
Field Meteorological Information			A. Temp. (°C): 23			R.H. (%): 56			W.C.: Sunny			W.D.: SE to NW					
Location of performance of the Laboratory Activity: IEM Laboratory, Ranchi																	
Sample Receiving date:18-02-2026						Testing Started: 18-02-2026						Testing Ended: 21-02-2026					

----Test Results----

Sl.No.	Parameters	Test Method No.	Unit	Norms**	Results
1.	Particulate Matter (PM ₁₀)	IS 5182 Part 23:2006	µg/m ³	100	61.3
2.	Particulate Matter (PM _{2.5})	IS 5182 Part 24:2019	µg/m ³	60	28.5
3.	Sulphur Dioxide (SO ₂)	IS 5182 Part-02	µg/m ³	80	21.6
4.	Nitrogen Dioxide (NO ₂)	IS 5182 Part-06	µg/m ³	80	40.1
5.	Ammonia (NH ₃)	IS 5182 Part 25	µg/m ³	400	36.7
6.	Ozone (O ₃)	IS 5182 Part 09	µg/m ³	100	31.8
7.	Arsenic (as As)	USEPA I.O. 3.2	ng/m ³	----	BDL (MDL-2)
8.	Lead (as Pb)	IS 5182 Part 22	µg/m ³	1.0	0.04
9.	Nickel (Ni)	IS 5182 Part 26	ng/m ³	----	BDL (MDL-4)

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.
Remark	Sample Comply with prescribed specification.
Opinion & Interpretation	Not Practiced.
Tested by	Anjali Kumari
Sample Drawn by	Rajeev Singh & team
Disclaimers	<ul style="list-style-type: none"> The results relate only to the item tested, calibrated or sampled. Additions to, deviations, or exclusions from the method is not practiced if not mentioned. Results from external providers are not used if not specified.

Specific Contractual Notes :-

- The laboratory accepts responsibility for content of this report.
- This report shall not be reproduced except in full, without approval of the MD.
- This report is intended for only guidance and not for legal purpose or for advertisement.
- Any complaint about this report should be communicated in writing within 7 days of its issue
- Total liability of Institute for Environmental Management will be limited to invoiced amount only.
- In case of feedback/ complaints, please send an email at sm.iemeco@gmail.com

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
(Akanksha Sourabh)	(Dr. S. C. Jain)
Dy. Technical Manager	Director

----End of Report----



INSTITUTE FOR ENVIRONMENTAL MANAGEMENT

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



TEST REPORT

Discipline: Chemical	Group: Atmospheric Pollution	Sub-Group: Ambient Air
Report Issue Date: 21-02-2026	Test Report No.: RN-249930003A02	
Sample ID: 260218AP01002	Sample Description: Ambient Air	
Challan No./P.O. No.: N/A	Challan No./ P.No. Date: 30-09-2024	
Name and Contact Details of Customer: P & C Dept. Email id.- pnc.ranchi@prabhaenergy.com Prabha Energy Ltd.(PEL), NK CBM Block, 4th Floor, Rishab Complex Opposite Ashok Nagar Road No.4 Landmark Above Bank Of India, Ranchi, Jharkhand 834002		
Information obtained from customer (if any):		
Type of Industry: Energy	Condition of Sample: Fit For Test	
Sampling Protocol: IS:5182	Sampling Date: 17-02-2026 to 18-02-2026	
Protocol: CPCB Guideline(NAAQMS/36/2012-13) & IS Method 5182 Series		
Sampling Location: NK # 10		
Field Meteorological Information	A. Temp. (°C): 23	R.H. (%): 56
	W.C.: Sunny	W.D.: SE to NW
Location of performance of the Laboratory Activity: IEM Laboratory, Ranchi		
Sample Receiving date: 18-02-2026	Testing Started: 18-02-2026	Testing Ended: 21-02-2026

----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 ³	----	BDL (MDL-0.18)
11.	Carbon Monoxide (CO)	IEM/SOP/Air-01:2022	mg/m ³	02	BDL(MDL-1.8)
12.	Benzene (C ₆ H ₆)	IS 5182 Part 11	µg/m ³	----	BDL (MDL- 0.06)

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.
Remark	Sample Comply with prescribed specification.
Opinion & Interpretation	Not Practiced.
Tested by	Anjali Kumari
Sample Drawn by	Rajeev Singh & team
Disclaimers	<ul style="list-style-type: none"> The results relate only to the item tested, calibrated or sampled. Additions to, deviations, or exclusions from the method is not practiced if not mentioned. Results from external providers are not used if not specified.

Specific Contractual Notes :-

- The laboratory accepts responsibility for content of this report.
- This report shall not be reproduced except in full, without approval of the MD.
- This report is intended for only guidance and not for legal purpose or for advertisement.
- Any complaint about this report should be communicated in writing within 7 days of its issue.
- Total liability of Institute for Environmental Management will be limited to invoiced amount only.
- In case of feedback/ complaints, please send an email at sm.iemeco@gmail.com

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
(Akanksha Sourabh)	(Dr. S. C. Jain)
Dy. Technical Manager	Director

----End of Report----



INSTITUTE FOR ENVIRONMENTAL MANAGEMENT

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 - icm2012@rediffmail.com



TC-10135

TEST REPORT

ULR No.:	T	C	1	6	1	3	5	2	6	0	0	0	0	0	0	4	8	8
Discipline: Chemical	Group: Atmospheric Pollution						Sub-Group: Ambient Air											
Report Issue Date: 21-02-2026	Test Report No.: RN-240930003A03																	
Sample ID: 260218AP01003	Sample Description: Ambient Air																	
Challan No./P.O. No.: N/A	Challan No./ P.No. Date: 30-09-2024																	
Name and Contact Details of Customer: P & C Dept. Email id.- pnc.ranchi@prabhaenergy.com Prabha Energy Ltd.(PEL), NK CBM Block , 4th Floor, Rishab Complex Opposite Ashok Nagar Road No.4 Landmark Above Bank Of India, Ranchi, Jharkhand 834002																		
Information obtained from customer (if any):																		
Type of Industry: Energy									Condition of Sample: Fit For Test									
Sampling Protocol: IS:5182									Sampling Date: 17-02-2026 to 18-02-2026									
Protocol: CPCB Guideline(NAAQMS/36/2012-13) & IS Method 5182 Series																		
Sampling Location: NK # 13																		
Field Meteorological Information			A. Temp. (°C): 23			R.H. (%): 56			W.C.: Sunny			W.D.: SE to NW						
Location of performance of the Laboratory Activity: IEM Laboratory, Ranchi																		
Sample Receiving date: 18-02-2026						Testing Started: 18-02-2026						Testing Ended: 21-02-2026						

----Test Results----

Sl.No.	Parameters	Test Method No.	Unit	Norms**	Results
1.	Particulate Matter (PM ₁₀)	IS 5182 Part 23:2006	µg/m ³	100	68.5
2.	Particulate Matter (PM _{2.5})	IS 5182 Part 24:2019	µg/m ³	60	33.1
3.	Sulphur Dioxide (SO ₂)	IS 5182 Part-02	µg/m ³	80	27.4
4.	Nitrogen Dioxide (NO ₂)	IS 5182 Part-06	µg/m ³	80	50.3
5.	Ammonia (NH ₃)	IS 5182 Part 25	µg/m ³	400	31.8
6.	Ozone (O ₃)	IS 5182 Part 09	µg/m ³	100	27.6
7.	Arsenic (as As)	USEPA I.O. 3.2	ng/m ³	---	BDL (MDL-2)
8.	Lead (as Pb)	IS 5182 Part 22	µg/m ³	1.0	0.04
9.	Nickel (Ni)	IS 5182 Part 26	ng/m ³	----	BDL (MDL-4)

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.
Remark	Sample Comply with prescribed specification.
Opinion & Interpretation	Not Practiced.
Tested by	Anjali Kumari
Sample Drawn by	Rajeev Singh & team
Disclaimers	<ul style="list-style-type: none"> The results relate only to the item tested, calibrated or sampled. Additions to, deviations, or exclusions from the method is not practiced if not mentioned. Results from external providers are not used if not specified.

Specific Contractual Notes :-

- The laboratory accepts responsibility for content of this report.
- This report shall not be reproduced except in full, without approval of the MD.
- This report is intended for only guidance and not for legal purpose or for advertisement.
- Any complaint about this report should be communicated in writing within 7 days of its issue.
- Total liability of Institute for Environmental Management will be limited to invoiced amount only.
- In case of feedback/ complaints, please send an email at sm.iemeco@gmail.com

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

(Signature) *(Signature)*

(Akanksha Sourabh)

(Dr. S. C. Jain)

Dy. Technical Manager

Director

----End of Report----



INSTITUTE FOR ENVIRONMENTAL MANAGEMENT

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



TEST REPORT

Discipline: Chemical	Group: Atmospheric Pollution	Sub-Group: Ambient Air
Report Issue Date: 21-02-2026	Test Report No.: RN-240930003A03	
Sample ID: 260218AP01003	Sample Description: Ambient Air	
Challan No./P.O. No.: N/A	Challan No./ P.No. Date: 30-09-2024	
Name and Contact Details of Customer: P & C Dept. Email id.- pnc.ranchi@prabhaenergy.com Prabha Energy Ltd.(PEL), NK CBM Block, 4th Floor, Rishab Complex Opposite Ashok Nagar Road No.4 Landmark Above Bank Of India, Ranchi, Jharkhand 834002		
Information obtained from customer (if any):		
Type of Industry: Energy	Condition of Sample: Fit For Test	
Sampling Protocol: IS:5182	Sampling Date: 17-02-2026 to 18-02-2026	
Protocol: CPCB Guideline(NAAQMS/36/2012-13) & IS Method 5182 Series		
Sampling Location: NK # 13		
Field Meteorological Information	A. Temp. (°C): 23	R.H. (%): 56
	W.C.: Sunny	W.D.: SE to NW
Location of performance of the Laboratory Activity: IEM Laboratory, Ranchi		
Sample Receiving date: 18-02-2026	Testing Started: 18-02-2026	Testing Ended: 21-02-2026

----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 ³	----	BDL (MDL-0.18)
11.	Carbon Monoxide (CO)	IEM/SOP/Air-01:2022	mg/m ³	02	BDL(MDL-1.8)
12.	Benzene (C ₆ H ₆)	IS 5182 Part 11	µg/m ³	----	BDL (MDL- 0.06)

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.
Remark	Sample Comply with prescribed specification.
Opinion & Interpretation	Not Practiced.
Tested by	Anjali Kumari
Sample Drawn by	Rajeev Singh & team
Disclaimers	<ul style="list-style-type: none"> The results relate only to the item tested, calibrated or sampled. Additions to, deviations, or exclusions from the method is not practiced if not mentioned. Results from external providers are not used if not specified.

Specific Contractual Notes :-

- The laboratory accepts responsibility for content of this report.
- This report shall not be reproduced except in full, without approval of the MD.
- This report is intended for only guidance and not for legal purpose or for advertisement.
- Any complaint about this report should be communicated in writing within 7 days of its issue.
- Total liability of Institute for Environmental Management will be limited to invoiced amount only.
- In case of feedback/ complaints, please send an email at sm.iemeco@gmail.com

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

(Akanksha Sourabh)	(Dr. S. C. Jain)
Dy. Technical Manager	Director

----End of Report----



INSTITUTE FOR ENVIRONMENTAL MANAGEMENT

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



TC-16135

TEST REPORT

ULR No.:	T	C	1	6	1	3	5	2	6	0	0	0	0	0	0	4	8	9
Discipline: Chemical			Group: Atmospheric Pollution						Sub-Group: Ambient Air									
Report Issue Date: 21-02-2026									Test Report No.: RN-240930003A04									
Sample ID: 260218AP01004									Sample Description: Ambient Air									
Challan No./P.O. No.: N/A									Challan No./ P.No. Date: 30-09-2024									
Name and Contact Details of Customer: P & C Dept. Email id.- pnc.ranchi@prabhaenergy.com Prabha Energy Ltd.(PEL), NK CBM Block , 4th Floor, Rishab Complex Opposite Ashok Nagar Road No.4 Landmark Above Bank Of India, Ranchi, Jharkhand 834002																		
Information obtained from customer (if any):																		
Type of Industry: Energy									Condition of Sample: Fit For Test									
Sampling Protocol: IS:5182									Sampling Date: 17-02-2026 to 18-02-2026									
Protocol: CPCB Guideline(NAAQMS/36/2012-13) & IS Method 5182 Series																		
Sampling Location: NK # 34																		
Field Meteorological Information			A. Temp. (°C): 23			R.H. (%): 56			W.C.: Sunny			W.D.: SE to NW						
Location of performance of the Laboratory Activity: IEM Laboratory, Ranchi																		
Sample Receiving date:18-02-2026						Testing Started: 18-02-2026						Testing Ended: 21-02-2026						

----Test Results----

Sl.No.	Parameters	Test Method No.	Unit	Norms**	Results
1.	Particulate Matter (PM ₁₀)	IS 5182 Part 23:2006	µg/m ³	100	66.2
2.	Particulate Matter (PM _{2.5})	IS 5182 Part 24:2019	µg/m ³	60	32.3
3.	Sulphur Dioxide (SO ₂)	IS 5182 Part-02	µg/m ³	80	25.8
4.	Nitrogen Dioxide (NO ₂)	IS 5182 Part-06	µg/m ³	80	42.5
5.	Ammonia (NH ₃)	IS 5182 Part 25	µg/m ³	400	38.6
6.	Ozone (O ₃)	IS 5182 Part 09	µg/m ³	100	29.1
7.	Arsenic (as As)	USEPA I.O. 3.2	ng/m ³	----	BDL (MDL-2)
8.	Lead (as Pb)	IS 5182 Part 22	µg/m ³	1.0	0.05
9.	Nickel (Ni)	IS 5182 Part 26	ng/m ³	----	BDL (MDL-4)

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.
Remark	Sample Comply with prescribed specification.
Opinion & Interpretation	Not Practiced.
Tested by	Anjali Kumari
Sample Drawn by	Rajeev Singh & team
Disclaimers	<ul style="list-style-type: none"> The results relate only to the item tested, calibrated or sampled. Additions to, deviations, or exclusions from the method is not practiced if not mentioned. Results from external providers are not used if not specified.

Specific Contractual Notes :-

- The laboratory accepts responsibility for content of this report.
- This report shall not be reproduced except in full, without approval of the MD.
- This report is intended for only guidance and not for legal purpose or for advertisement.
- Any complaint about this report should be communicated in writing within 7 days of its issue.
- Total liability of Institute for Environmental Management will be limited to invoiced amount only.
- In case of feedback/ complaints, please send an email at sm.iemec@gmail.com

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
(Akanksha Sourabh)	(Dr. S. C. Jain)
Dy. Technical Manager	Director

----End of Report----



INSTITUTE FOR ENVIRONMENTAL MANAGEMENT

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



TEST REPORT

Discipline: Chemical	Group: Atmospheric Pollution	Sub-Group: Ambient Air
Report Issue Date: 21-02-2026	Test Report No.: RN-240930003A04	
Sample ID: 260218AP01004	Sample Description: Ambient Air	
Challan No./P.O. No.: N/A	Challan No./ P.No. Date: 30-09-2024	
Name and Contact Details of Customer: P & C Dept. Email id.- pnc.ranchi@prabhaenergy.com Prabha Energy Ltd.(PEL), NK CBM Block, 4th Floor, Rishab Complex Opposite Ashok Nagar Road No.4 Landmark Above Bank Of India, Ranchi, Jharkhand 834002		
Information obtained from customer (if any):		
Type of Industry: Energy	Condition of Sample: Fit For Test	
Sampling Protocol: IS:5182	Sampling Date: 17-02-2026 to 18-02-2026	
Protocol: CPCB Guideline(NAAQMS/36/2012-13) & IS Method 5182 Series		
Sampling Location: NK # 34		
Field Meteorological Information	A. Temp. (°C): 23	R.H. (%): 56
	W.C.: Sunny	W.D.: SE to NW
Location of performance of the Laboratory Activity: IEM Laboratory, Ranchi		
Sample Receiving date: 18-02-2026	Testing Started: 18-02-2026	Testing Ended: 21-02-2026

----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 ³	----	BDL (MDL-0.18)
11.	Carbon Monoxide (CO)	IEM/SOP/Air-01:2022	mg/m ³	02	BDL(MDL-1.8)
12.	Benzene (C ₆ H ₆)	IS 5182 Part 11	µg/m ³	----	BDL (MDL- 0.06)

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.
Remark	Sample Comply with prescribed specification.
Opinion & Interpretation	Not Practiced.
Tested by	Anjali Kumari
Sample Drawn by	Rajeev Singh & team
Disclaimers	<ul style="list-style-type: none"> The results relate only to the item tested, calibrated or sampled. Additions to, deviations, or exclusions from the method is not practiced if not mentioned. Results from external providers are not used if not specified.

Specific Contractual Notes :-

- The laboratory accepts responsibility for content of this report.
- This report shall not be reproduced except in full, without approval of the MD.
- This report is intended for only guidance and not for legal purpose or for advertisement.
- Any complaint about this report should be communicated in writing within 7 days of its issue.
- Total liability of Institute for Environmental Management will be limited to invoiced amount only.
- In case of feedback/ complaints, please send an email at sm_iemeco@gmail.com

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
(Akanksha Sourabh)	(Dr. S. C. Jain)
Dy. Technical Manager	Director

----End of Report----



INSTITUTE FOR ENVIRONMENTAL MANAGEMENT

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



TC-10133

TEST REPORT

ULR No.:	T	C	1	6	1	3	5	2	6	0	0	0	0	0	0	4	9	0
Discipline: Chemical	Group: Atmospheric Pollution									Sub-Group: Ambient Air								
Report Issue Date: 21-02-2026	Test Report No.: RN-240930003A05																	
Sample ID: 260218AP01005	Sample Description: Ambient Air																	
Challan No./P.O. No.: N/A	Challan No./ P.No. Date: 30-09-2024																	
Name and Contact Details of Customer: P & C Dept. Email id.- pnc.ranchi@prabhaenergy.com Prabha Energy Ltd.(PEL), NK CBM Block , 4th Floor, Rishab Complex Opposite Ashok Nagar Road No.4 Landmark Above Bank Of India, Ranchi, Jharkhand 834002																		
Information obtained from customer (if any):																		
Type of Industry: Energy									Condition of Sample: Fit For Test									
Sampling Protocol: IS:5182									Sampling Date: 17-02-2026 to 18-02-2026									
Protocol: CPCB Guideline(NAAQMS/36/2012-13) & IS Method 5182 Series																		
Sampling Location: GCGDU																		
Field Meteorological Information			A. Temp. (°C): 23			R.H. (%): 56			W.C.: Sunny			W.D.: SE to NW						
Location of performance of the Laboratory Activity: IEM Laboratory, Ranchi																		
Sample Receiving date:18-02-2026					Testing Started: 18-02-2026					Testing Ended: 21-02-2026								

----Test Results----

Sl.No.	Parameters	Test Method No.	Unit	Norms**	Results
1.	Particulate Matter (PM ₁₀)	IS 5182 Part 23:2006	µg/m ³	100	67.1
2.	Particulate Matter (PM _{2.5})	IS 5182 Part 24:2019	µg/m ³	60	32.6
3.	Sulphur Dioxide (SO ₂)	IS 5182 Part-02	µg/m ³	80	28.7
4.	Nitrogen Dioxide (NO ₂)	IS 5182 Part-06	µg/m ³	80	48.2
5.	Ammonia (NH ₃)	IS 5182 Part 25	µg/m ³	400	32.9
6.	Ozone (O ₃)	IS 5182 Part 09	µg/m ³	100	33.3
7.	Arsenic (as As)	USEPA I.O. 3.2	ng/m ³	----	BDL (MDL-2)
8.	Lead (as Pb)	IS 5182 Part 22	µg/m ³	1.0	0.04
9.	Nickel (Ni)	IS 5182 Part 26	ng/m ³	----	BDL (MDL-4)

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.
Remark	Sample Comply with prescribed specification.
Opinion & Interpretation	Not Practiced.
Tested by	Anjali Kumari
Sample Drawn by	Rajeev Singh & team
Disclaimers	<ul style="list-style-type: none"> The results relate only to the item tested, calibrated or sampled. Additions to, deviations, or exclusions from the method is not practiced if not mentioned. Results from external providers are not used if not specified.

Specific Contractual Notes -

- The laboratory accepts responsibility for content of this report.
- This report shall not be reproduced except in full, without approval of the MD.
- This report is intended for only guidance and not for legal purpose or for advertisement.
- Any complaint about this report should be communicated in writing within 7 days of its issue.
- Total liability of Institute for Environmental Management will be limited to invoiced amount only.
- In case of feedback/ complaints, please send an email at sm.iemeco@gmail.com

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
(Akanksha Sourabh)	(Dr. S. C. Jain)
Dy. Technical Manager	Director

----End of Report----



INSTITUTE FOR ENVIRONMENTAL MANAGEMENT

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



TEST REPORT

Discipline: Chemical		Group: Atmospheric Pollution		Sub-Group: Ambient Air	
Report Issue Date: 21-02-2026			Test Report No.: RN-240930003A05		
Sample ID: 260218AP01005			Sample Description: Ambient Air		
Challan No./P.O. No.: N/A			Challan No./ P.No. Date: 30-09-2024		
Name and Contact Details of Customer: P & C Dept. Email id.- pnc.ranchi@prabhaenergy.com Prabha Energy Ltd.(PEL), NK CBM Block , 4th Floor, Rishab Complex Opposite Ashok Nagar Road No.4 Landmark Above Bank Of India, Ranchi, Jharkhand 834002					
Information obtained from customer (if any):					
Type of Industry: Energy			Condition of Sample: Fit For Test		
Sampling Protocol: IS:5182			Sampling Date: 17-02-2026 to 18-02-2026		
Protocol: CPCB Guideline(NAAQMS/36/2012-13) & IS Method 5182 Series					
Sampling Location: GCGDU					
Field Meteorological Information		A. Temp. (°C): 23	R.H. (%): 56	W.C.: Sunny	W.D.: SE to NW
Location of performance of the Laboratory Activity: IEM Laboratory, Ranchi					
Sample Receiving date: 18-02-2026		Testing Started: 18-02-2026		Testing Ended: 21-02-2026	

----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 ³	----	BDL (MDL-0.18)
11.	Carbon Monoxide (CO)	IEM/SOP/Air-01:2022	mg/m ³	02	BDL(MDL-1.8)
12.	Benzene (C ₆ H ₆)	IS 5182 Part 11	µg/m ³	----	BDL (MDL- 0.06)

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.
Remark	Sample Comply with prescribed specification.
Opinion & Interpretation	Not Practiced.
Tested by	Anjali Kumari
Sample Drawn by	Rajeev Singh & team
Disclaimers	<ul style="list-style-type: none"> The results relate only to the item tested, calibrated or sampled. Additions to, deviations, or exclusions from the method is not practiced if not mentioned. Results from external providers are not used if not specified.

Specific Contractual Notes :-

- The laboratory accepts responsibility for content of this report.
- This report shall not be reproduced except in full, without approval of the MD.
- This report is intended for only guidance and not for legal purpose or for advertisement.
- Any complaint about this report should be communicated in writing within 7 days of its issue.
- Total liability of Institute for Environmental Management will be limited to invoiced amount only.
- In case of feedback/ complaints, please send an email at sm@iemeco@gmail.com

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
(Akanksha Sourabh)	(Dr. S. C. Jain)
Dy. Technical Manager	Director

----End of Report----