



OMSHIVA TEST HOUSE PVT. LTD.

Environmental Monitoring of NTPC Limited

D.S.T.P.P Darlipali, Zinc Nagar

Distt. Sundargarh, Odisha

Client:

NTPC Limited

For the (April Month-2025)

Submitted By:-

Omshiva Test House Pvt. Ltd.

122-C, Aastha, Road No. 5A,
Patliputra Colony,
Patna – 800 013

Submitted To:-

M/s NTPC Limited

D.S.T.P.P Darlipali, Zinc Nagar
Distt. Sundargarh,
Odisha

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OMSHIVA TEST HOUSE PRIVATE LIMITED

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TESTING | CONSULTING | RESOLVING | TRAINING

Head Office :

122-C, Aastha, Road No. 5A,

Patliputra Colony,

Patna – 800 013 (Bihar)

Contact us : +918676886249

+919431047908

Email : ceo@shivatesthouse.in

ceo@shivatesthouse.in



TEST REPORT

Name and Address of Customer:

M/s NTPC Ltd.
D.S.T.P Darlipali,
Darpali Village
Sundargarh,
Odisha – 770 072

Sampling Details:

ULR Number STH/TR/25-26/04/60
Date of Sampling 03.04.2025
Sample Received on 05.04.2025
Method of Sampling IS 3025, APHA
Env. Condition Temp. 32 °C Humidity 65 %
Sample Quantity & Container 2 L.; Polypropylene Bottle (02)
Sample Collected by Mr. Amar Tiwari; Lab Representative

Information by Customer:

Name / Nature of Sample: Effluent Sample
Location of Sampling: ETP Inlet
W.O No.: 4000291355-037-1019
WO Date: 24.02.2025

Analysis Details:

Sample Code STH/25/04/60
Analysis Start Date 05.04.2025
Analysis Completion Date 10.04.2025
Sample Condition on Receipt Fit for analysis
Items required to be Tested As per contract
Any Specific Test Method No
Reporting Date 02.05.2025
Report Prepared by Palak Rai

ANALYSIS RESULTS

Sl. No.	Parameters	Unit	Method of Test	Result
1.	pH at 25° C	----	IS 3025 (Part-11)	6.55
2.	Total Suspended Solids	mg/l.	IS 3025(Part-17)	125.0
3.	B.O.D. (3 days at 27°C)	mg/l.	IS 3025 (Part-44)	76.0
4.	C.O.D.	mg/l.	IS 3025 (Part-58)	280.0
5.	Oil and Grease	mg/l.	IS 3025 (Part-39)	4.39
6.	Fluoride as F	mg/l.	APHA (4500 F D)	1.16
7.	Phosphate as P	mg/l.	APHA 4500 -P-D	2.64
8.	Sulphate as SO ₄	mg/l.	IS 3025 (Part-24)	148.0
9.	Chloride as Cl	mg/l.	IS 3025 (Part-32)	194.0
10.	Ammonical Nitrogen as N	mg/l.	IS 3025 (Part-34)	20.7
11.	Total Kjeldahl Nitrogen as N	mg/l.	IS 3025 (Part-34)	33.0
12.	Sulphide as S	mg/l.	APHA (4500-S2 F):2017	<0.2
13.	Zinc as Zn	mg/l.	APHA (3500-Zn B) APHA (3111b):2017	BLQ(LOQ-0.3)
14.	Iron as Fe	mg/l.	IS 3025 (Part-53)	BLQ(LOQ-0.6)
15.	Copper as Cu	mg/l.	APHA 3111 B	BLQ(LOQ-0.6)
16.	Manganese as Mn	mg/l.	APHA 3111 B	BLQ(LOQ-0.4)
17.	Nickel as Ni	mg/l.	APHA 3111 B	BLQ(LOQ-0.6)
18.	Arsenic as As	mg/l.	APHA 3114 B	BLQ(LOQ-0.02)
19.	Lead as Pb	mg/l.	APHA 3111 B	BLQ(LOQ-0.6)
20.	Total Chromium as Cr	mg/l.	APHA 3111 B	BLQ(LOQ-0.4)



N.B.: (1) This report applies only to sample tested as above. (2) Total Liability of our Laboratory is limited to invoiced amount. (3) Test Report endorsed only the tests and not the product certificate. (4) Test Report cannot be reproduced partially or full for legal/court purpose without written permission of the Laboratory.





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TEST REPORT

Name and Address of Customer :

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D.S.T.P Darlipali,
Darpali Village
Sundargarh,
Odisha – 770 072

Sampling Details :

ULR Number STH/TR/25-26/04/60
Date of Sampling 03.04.2025
Sample Received on 05.04.2025
Method of Sampling IS 3025, APHA
Env. Condition Temp. 32 °C Humidity 65 %
Sample Quantity & Container 2 L. ; Polypropylene Bottle (02)
Sample Collected by Mr. Amar Tiwari; Lab Representative

Information by Customer :

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Reporting Date 02.05.2025
Report Prepared by Palak Rai

ANALYSIS RESULTS

Sl. No.	Parameters	Unit	Method of Test	Result
21.	Hexavalent Chromium (as Cr+6),	mg/l.	APHA 3111 B	BLQ(LOQ-0.01)
22.	Cadmium as Cd	mg/l.	APHA 3111 B	BLQ(LOQ-0.4)
23.	Mercury as Hg	mg/l.	APHA 3112 B	BLQ(LOQ-0.02)
24.	Temperature	°C	APHA 2550 B 23 rd Edition 2017	22.5 °C
25.	Phenolic Compound as C ₆ H ₅ OH	mg/l.	APHA 6420 B	BLQ(LOD-0.001)
26.	Total Organic Carbon	mg/l.	APHA 5310 B 23 rd Edition 2017	<4.0
27.	Turbidity	NTU	Not Specified	92.0
28.	Conductivity	µmhos/cm.	IS 3025 (Part-14)	1322.0
29.	Fixed Dissolved Solids (FDS)	mg/l.	IS 3025(Part-18)	595.0
30.	Nitrate Nitrogen	mg/l.	APHA 4500 NH ₃ C	33.6
31.	Total Residual Chlorine	mg/l.	IS 3025 (Part-26)	<1.0
32.	Vanadium	mg/l.	APHA 3111 D	BLQ(LOQ-0.60)
33.	Cyanide as CN	mg/l.	IS 3025 (Part-27)	BLQ(LOD-0.005)
34.	Selenium as Se	mg/l.	APHA 3114 B	BLQ(LOQ-0.02)
35.	Bio-Assay Test	---	IS 6582: 1971	15% Fish Survived (not fit for fish culture)

BLQ= Below Limit of Quantification; LOQ= Limit of Quantification.

Vishal Sharma

Reviewed by :
Vishal Sharma (DQM)



S.S. Rukhaiyar

Authorized Signatory :
S.S. Rukhaiyar, Sec. I/c (Effluent)

Chittaranjan Das

Authorized Signatory:
Chittaranjan Das, Sec. I/c (Food & Water Proximate,
Trace Metals)

Shreyasee Prasad

Quality Manager :
Dr. (Mrs.) Shreyasee Prasad

----- END OF REPORT -----

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TEST REPORT

Name and Address of Customer :

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D.S.T.P Darlipali,
Darpali Village
Sundargarh,
Odisha – 770 072

Sampling Details :

ULR Number STH/TR/25-26/04/61
Date of Sampling 03.04.2025
Sample Received on 05.04.2025
Method of Sampling IS 3025, APHA
Env. Condition Temp. 32 °C Humidity 65 %
Sample Quantity & Container 2 L. ; Polypropylene Bottle (02)
Sample Collected by Mr. Amar Tiwari; Lab Representative

Information by Customer :

Name / Nature of Sample : Effluent Sample
Location of Sampling : ETP Outlet
W.O No.: 4000291355-037-1019
WO Date: 24.02.2025

Analysis Details :

Sample Code STH/25/04/61
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Analysis Completion Date 10.04.2025
Sample Condition on Receipt Fit for analysis
Items required to be Tested As per contract
Any Specific Test Method No
Reporting Date 02.05.2025
Report Prepared by Palak Rai

ANALYSIS RESULTS

Sl. No.	Parameters	Unit	Method of Test	Limit as per E (P) Rules for Discharge on Inland Surface Water	Result
1.	pH at 25° C	----	IS 3025 (Part-11)	5.5 to 9.0	7.46
2.	Total Suspended Solids	mg/l.	IS 3025(Part-17)	100.00	12.0
3.	B.O.D. (3 days at 27°C)	mg/l.	IS 3025 (Part-44)	30.00	<4.0
4.	C.O.D.	mg/l.	IS 3025 (Part-58)	250.00	<20.0
5.	Oil and Grease	mg/l.	IS 3025 (Part-39)	10 mg/l.	<4.0
6.	Fluoride as F	mg/l.	APHA (4500 F D)	2 mg/l.	0.42
7.	Phosphate as P	mg/l.	APHA 4500 -P-D	5 mg/l.	0.58
8.	Sulphate as SO ₄	mg/l.	IS 3025 (Part-24)	Not Specified	27.6
9.	Chloride as Cl	mg/l.	IS 3025 (Part-32)	Not Specified	33.0
10.	Ammonical Nitrogen as N	mg/l.	IS 3025 (Part-34)	50 mg/l.	<5.0
11.	Total Kjeldahl Nitrogen as N	mg/l.	IS 3025 (Part-34)	100 mg/l.	7.3
12.	Sulphide as S	mg/l.	APHA (4500-S2 F):2017	2.0 mg/l	<0.2
13.	Zinc as Zn	mg/l.	APHA (3500-Zn B) APHA (3111b):2017	5	BLQ(LOQ-0.3)
14.	Iron as Fe	mg/l.	IS 3025 (Part-53)	3 mg/l.	BLQ(LOQ-0.6)
15.	Copper as Cu	mg/l.	APHA 3111 B	3 mg/l.	BLQ(LOQ-0.6)
16.	Manganese as Mn	mg/l.	APHA 3111 B	2 mg/l.	BLQ(LOQ-0.4)
17.	Nickel as Ni	mg/l.	APHA 3111 B	Not Specified	BLQ(LOQ-0.6)
18.	Arsenic as As	mg/l.	APHA 3114 B	0.2 mg/l.	BLQ (LOQ 0.02)
19.	Lead as Pb	mg/l.	APHA 3111 B	0.1 mg/l.	BLQ(LOQ-0.6)
20.	Total Chromium as Cr	mg/l.	APHA 3111 B	2 mg/l.	BLQ(LOQ-0.4)



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D.S.T.P Darlipali,
Darpali Village
Sundargarh,
Odisha – 770 072

Sampling Details :

ULR Number STH/TR/25-26/04/61
Date of Sampling 03.04.2025
Sample Received on 05.04.2025
Method of Sampling IS 3025, APHA
Env. Condition Temp. 32 °C Humidity 65 %
Sample Quantity & Container 2 L. ; Polypropylene Bottle (02)
Sample Collected by Mr. Amar Tiwari; Lab Representative

Information by Customer :

Name / Nature of Sample : Effluent Sample
Location of Sampling : ETP Outlet
W.O No.: 4000291355-037-1019
WO Date: 24.02.2025

Analysis Details :

Sample Code STH/25/04/61
Analysis Start Date 05.04.2025
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Sample Condition on Receipt Fit for analysis
Items required to be Tested As per contract
Any Specific Test Method No
Reporting Date 02.05.2025
Report Prepared by Palak Rai

ANALYSIS RESULTS

Sl. No.	Parameters	Unit	Method of Test	Limit as per E (P) Rules for Discharge on Inland Surface Water	Result
21.	Hexavalent Chromium (as Cr+6),	mg/l.	APHA 3111 B	0.1 mg/l	BLQ(LOQ-0.01)
22.	Cadmium as Cd	mg/l.	APHA 3111 B	2 mg/l.	BLQ(LOQ-0.4)
23.	Mercury as Hg	mg/l.	APHA 3112 B	0.01 mg/l.	BLQ(LOQ-0.02)
24.	Temperature	°C	APHA 2550 B 23 rd Edition 2017	---	24.0° C
25.	Phenolic Compound as C ₆ H ₅ OH	mg/l.	APHA 6420 B	1.00 mg/l.	BLQ(LOD-0.001)
26.	Total Organic Carbon	mg/l.	APHA 5310 B 23 rd Edition 2017	Not Specified	<4.0
27.	Turbidity	NTU	Not Specified	Not Specified	16.0
28.	Conductivity	µmhos/cm.	IS 3025 (Part-14)	Not Specified	504.0
29.	Fixed Dissolved Solids (FDS)	mg/l.	IS 3025(Part-18)	Not Specified	275.0
30.	Nitrate Nitrogen	mg/l.	APHA 4500 NH ₃ C	10 mg/l.	6.36
31.	Total Residual Chlorine	mg/l.	IS 3025 (Part-26)	Not Specified	<0.1
32.	Vanadium	mg/l.	APHA 3111 D	0.2 mg/l.	BLQ(LOQ-0.60)
33.	Cyanide as CN	mg/l.	IS 3025 (Part-27)	0.20 mg/l.	BLQ(LOD-0.005)
34.	Selenium as Se	mg/l.	APHA 3114 B	0.05 mg/l	BLQ(LOQ-0.02)
35.	Bio-Assay Test	---	IS 6582: 1971	92% Fish Survived after 96 hrs. in 100% Conc ⁿ Of Treated Effluent	85% Fish Survived after 96 hrs. in 100% Conc ⁿ Of Treated Effluent

BLQ= Below Limit of Quantification; LOQ= Limit of Quantification.

Vishal Sharma

Reviewed by :
Vishal Sharma (DQM)



Chittaranjan Das

Authorized Signatory:
Chittaranjan Das, Sec. I/c (Food & Water Proximate,
Trace Metals)

Shreyasee Prasad

Quality Manager :
Dr. (Mrs.) Shreyasee Prasad

S.S. Rukhaiyar

Authorized Signatory :
S.S. Rukhaiyar, Sec. I/c (Effluent)

----- END OF REPORT -----

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TEST REPORT

Name and Address of Customer :

M/s NTPC Ltd.
D.S.T.P Darlipali,
Darpali Village
Sundargarh,
Odisha – 770 072

Sampling Details :

Sampling Period 01.04.25 to 30.04.25
Method of Sampling IS 5182 (Part - 14)
Sample Quantity & Container 30 ml x 6 for each (NO₂, SO₂, NH₃); Filter Paper & Sample Carriage Bottle

Sample Collected by Mr. Amar Tiwari; Lab Representative

Information by Customer :

Name / Nature of Sample : Effluent Sample
Location of Sampling : STP Outlet
W.O No.: 4000291355-037-1019
WO Date: 24.02.2025

Analysis Details :

Sample Quantity 8
Sample Condition on Receipt Fit for analysis
Items required to be Tested As per contract
Any Specific Test Method No
Reporting Date 02.05.2025
Report Prepared by Palak Rai

ANALYSIS RESULTS

Sl. No.	Parameters	Unit	Method of Test	Limit as per E (P) Rules Schedule VI	Date of Sampling /Sample Code/ Result							
					03.04.25	08.04.25	15.04.25	18.04.25	21.04.25	22.04.25	27.04.25	28.04.25
					SC_STH/25/04/59	SC_STH/25/04/202	SC_STH/25/04/482	SC_STH/25/04/684	SC_STH/25/04/883	SC_STH/25/04/927	SC_STH/25/04/1297	SC_STH/25/04/1360
1.	pH at 25° C	----	IS 3025 (Part-11)	5.5 to 9.0	7.04	7.11	7.03	7.12	7.07	7.1	7.03	7.11
2.	Total Suspended Solids	mg/l.	IS 3025 (Part-17)	100.00	18.0	17.0	19.0	19.0	18.0	19.0	21.0	18.0
3.	B.O.D. (3 days at 27°C)	mg/l.	IS 3025 (Part-44)	30.00	19.0	18.0	20.0	20.0	19.0	20.0	19.0	17.0
4.	C.O.D.	mg/l.	IS 3025 (Part-58)	250.00	200.0	180.0	200.0	180.0	180.0	190.0	200.0	180.0
5.	Ammonical Nitrogen as NH ₄ -N	mg/l.	IS 3025 (Part-34)	50.00	10.6	10.1	11.2	10.1	10.1	10.6	10.6	11.2
6.	Total Nitrogen	mg/l.	IS 3025 (Part-34)	---	18.3	17.7	18.3	17.8	17.8	18.4	18.3	17.8
7.	Fecal Coliform	MP N/100 ml	IS:1622	---	1.2 x 10 ³ MPN/100 ML	1.4 x 10 ³ MPN/100 ML	1.7x 10 ³ MPN/100 ML	2.1 x 10 ³ MPN/100 ML	1.4 x 10 ³ MPN/100 ML	1.2x 10 ³ MPN/100 ML	0.8 x 10 ³ MPN/100 ML	1.1 x 10 ³ MPN/100 ML



Vishal Sharma

Reviewed by :
Vishal Sharma (DQM)

S.S. Rukhaiyar

Authorized Signatory :
S.S. Rukhaiyar, Sec. I/c (Effluent)

Piyali Das Sharma

Authorized Signatory :
Piyali Das Sharma, Sec. I/c (Mcb.)

Shreyasee Prasad

Quality Manager :
Dr. (Mrs.) Shreyasee Prasad

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Sampling Details :

Sampling Period 01.04.25 to 30.04.25
Method of Sampling IS 5182 (Part - 14)
Sample Quantity & Container 30 ml x 6 for each (NO₂, SO₂, NH₃); Filter Paper & Sample Carriage Bottle

Sample Collected by Mr. Amar Tiwari; Lab Representative

Information by Customer :

Name / Nature of Sample : Ground Water Sample
Location of Sampling : Premises of NTPC Darlipali
W.O No.: 4000291355-037-1019
WO Date: 24.02.2025

Analysis Details :

Sample Quantity 5
Sample Condition on Receipt Fit for analysis
Items required to be Tested As per contract
Any Specific Test Method No
Reporting Date 02.05.2025
Report Prepared by Palak Rai

ANALYSIS RESULTS

Sl. No.	Parameters	Unit	Method of Test	Acceptable Limit	Permissible Limit in the absence of alternative source	Date of Sampling / Results				
						08.04.25	08.04.25	08.04.25	08.04.25	08.04.25
						CISF Colony	Field Hostel	Project Site	Darlipali Village Area	Darlipali Surrounding Area
						(SC_STH/2 5/04/203)	(SC_STH/ 25/04/204)	(SC_STH/2 5/04/205)	(SC_STH/2 5/04/206)	(SC_STH/2 5/04/207)
1.	Temperature	°C	APHA 2550 B 23 rd Edition 2017	---	---	24.9	24.5	24.7	24.5	24.9
2.	pH	---	IS 3025 (Part-11)	6.5	8.5	7.1	7.07	7.18	7.15	7.29
3.	Total Dissolved Solids	mg/l.	IS 3025 (Part-16)	500	2000	225.0	202.0	208.0	331.0	358.0
4.	Conductivity	µmhos/cm.	IS 3025 (Part-14)	Not Specified		363.0	326.0	335.0	534.0	577.0
5.	Fluoride	mg/l.	APHA 4500 (F D)	1.0	1.5	0.16	0.14	0.20	0.19	0.18
6.	Calcium Hardness	mg/l.	IS 3025 (Part-40)	75.00	200.00	108.0	96.0	98.0	128.0	146.0
7.	Magnesium Hardness	mg/l.	IS 3025 (Part-46)	30.00	100.0	80.0	68.0	70.0	98.0	102.0
8.	Boron as B	mg/l.	APHA 4500 B B	0.5	1.0	BLQ (LOQ-0.1)	BLQ (LOQ-0.1)	BLQ (LOQ 0.1)	BLQ (LOQ-0.1)	BLQ (LOQ-0.1)
9.	BOD (3 days at 27°C)	mg/l.	IS 3025 (Part-44)	Not Specified		<0.1	<0.1	<0.1	<0.1	<0.1
10.	COD	mg/l.	IS 3025 (Part-58)	Not Specified		2.0	3.0	3.0	3.0	4.0
11.	Total Suspended Solids	mg/l.	IS 3025 (Part-17)	Not Specified		4.0	3.0	3.0	4.0	4.0
12.	Total. Coliform	/100 ml	IS: 1622:1981	Shall not be detectable in 100 ml		Not Detected/10 0 ml	Not Detected/1 00 ml	Not Detected/10 0 ml	Not Detected/10 0 ml	Not Detected/1 00 ml
13.	E. coli	/100 ml	IS: 1622:1981	Shall not be detectable in 100 ml		Not Detected/10 0 ml	Not Detected/1 00 ml	Not Detected/10 0 ml	Not Detected/10 0 ml	Not Detected/1 00 ml

BLQ= Below Limit of Quantification; LOQ= Limit of Quantification.



Vishal Sharma

Reviewed by :
Vishal Sharma (DQM)

Chittaranjan Das

Authorized Signatory:
Chittaranjan Das, Sec. I/c (Food, Residue & Water Proximate, Trace Metals)

Piyali Das Sharma

Authorized Signatory :
Piyali Das Sharma, Sec. I/c (Mcb.)

Shreyasee Prasad

Quality Manager :
Dr. (Mrs.) Shreyasee Prasad

----- END OF REPORT -----

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OMSHIVA TEST HOUSE PRIVATE LIMITED

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TESTING | CONSULTING | RESOLVING | TRAINING

Head Office :

122-C, Aastha, Road No. 5A,

Patliputra Colony,

Patna – 800 013 (Bihar)

Contact us : +918676886249

+919431047908

Email : ceo@shivatesthouse.in

ceo@shivatesthouse.in



TEST REPORT

Name and Address of Customer :

M/s NTPC Ltd.
D.S.T.P Darlipali,
Darpali Village
Sundargarh,
Odisha – 770 072

Sampling Details :

ULR Number STH/TR/25-26/04/208
Date of Sampling 08.04.2025
Sample Received on 09.04.2025
Method of Sampling IS 3025, APHA
Env. Condition Temp. 34 °C Humidity 67 %
Sample Quantity & Container 2 L. ; Polypropylene Bottle (02)
Sample Collected by Mr. Amar Tiwari; Lab Representative

Information by Customer :

Name / Nature of Sample : Surface Water Sample
Location of Sampling : Cooling Tower Blow Down
W.O No.: 4000291355-037-1019
WO Date: 24.02.2025

Analysis Details :

Sample Code STH/25/04/208
Analysis Start Date 09.04.2025
Analysis Completion Date 14.04.2025
Sample Condition on Receipt Fit for analysis
Items required to be Tested As per contract
Any Specific Test Method No
Reporting Date 02.05.2025
Report Prepared by Palak Rai

ANALYSIS RESULTS

Parameters	Unit	Method of Test	Tolerance Limit as per IS 2296-1982					Results
			Class 'A'	Class 'B'	Class 'C'	Class 'D'	Class 'E'	
1. Temperature	°C	APHA 2550 B 23 rd Edition 2017	---	---	---	---	---	24.5°C
2. pH	--	IS 3025 (Part-11)	6.5 to 8.5	6.5 to 8.5	6.0 to 9.0	6.5 to 8.5	6.0 to 8.5	7.58
3. Conductivity	µmhos/cm	IS 3025 (Part-14)	--	--	--	--	2250	746.0
4. BOD (3 days at 27 °C)	mg/l.	IS 3025 (Part-44)	2	3	3	--	--	0.7
5. COD	mg/l.	IS3025(Part-58)	--	--	--	--	--	3.0
6. Total Dissolved Solids	mg/l.	IS 3025 (Part-16)	500.00	--	1500	--	2100	424.0
7. Total Suspended Solids	mg/l.	IS 3025 (Part-17)	--	--	--	--	--	10.0
8. Fluoride	mg/l.	APHA 4500 (F D)	1.5	1.5	1.5	--	--	0.21
9. Phosphate as P	mg/l.	APHA 4500 (P D)	--	--	--	--	--	0.17
10. Calcium Hardness	mg/l.	IS 3025 (Part-40)	200	--	--	--	--	152.0
11. Magnesium Hardness	mg/l.	IS 3025 (Part-46)	200	--	--	--	--	92.0
12. Boron as B	mg/l.	APHA 4500 B B	---	--	--	--	2.0	BLQ(LOQ-0.1)
13. Free Residual Chlorine	mg/l.	IS 3025 (Part-26)	--	--	--	--	--	<1.0
14. Zinc as Zn	mg/l.	APHA (3111 B)	15	--	15	--	--	BLQ(LOQ-0.1)
15. Chromium as Cr	mg/l.	APHA (3111 B)	0.05	--	0.05	--	--	BLQ(LOQ-0.01)
16. Total. Coliform	/100 ml	IS: 1622	Shall not be detectable in 100 ml					2.6 x10 ⁴ MPN/100 ml
17. E. coli	/100 ml	IS: 1622	Shall not be detectable in 100 ml					0.8 x10 ⁴ MPN/100 ml

BLQ= Below Limit of Quantification; LOQ= Limit of Quantification.



Vishal Sharma

Reviewed by :
Vishal Sharma (DQM)

S.S. Rukhaiyar

Authorized Signatory :
S.S. Rukhaiyar, Sec. I/c (Effluent)

Piyali Das Sharma

Authorized Signatory :
Piyali Das Sharma, Sec. I/c (Mcb.)

Shreyasee Prasad

Quality Manager :
Dr. (Mrs.) Shreyasee Prasad

----- END OF REPORT -----

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Patna – 800 013 (Bihar)
Contact us : +918676886249
+919431047908

Email : ceo@shivatesthouse.in
cao@shivatesthouse.in



TEST REPORT

Name and Address of Customer :

M/s NTPC Ltd.
D.S.T.P Darlipali,
Darpali Village
Sundargarh,
Odisha – 770 072

Sampling Details :

ULR Number STH/TR/25-26/04/209
Date of Sampling 08.04.2025
Sample Received on 09.04.2025
Method of Sampling IS 3025, APHA
Env. Condition Temp. 34 °C Humidity 67 %
Sample Quantity & Container 2 L. ; Polypropylene Bottle (02)
Sample Collected by Mr. Amar Tiwari; Lab Representative

Information by Customer :

Name / Nature of Sample : Surface Water Sample
Location of Sampling : Darlipali Talab
W.O No.: 4000291355-037-1019
WO Date: 24.02.2025

Analysis Details :

Sample Code STH/25/04/209
Analysis Start Date 09.04.2025
Analysis Completion Date 14.04.2025
Sample Condition on Receipt Fit for analysis
Items required to be Tested As per contract
Any Specific Test Method No
Reporting Date 02.05.2025
Report Prepared by Palak Rai

ANALYSIS RESULTS

Parameters	Unit	Method of Test	Tolerance Limit as per IS 2296-1982					Results
			Class 'A'	Class 'B'	Class 'C'	Class 'D'	Class 'E'	
1. Temperature	°C	APHA 2550 B 23 rd Edition 2017	---	---	---	---	---	23.0 °C
2. pH	--	IS 3025 (Part-11)	6.5 to 8.5	6.5 to 8.5	6.0 to 9.0	6.5 to 8.5	6.0 to 8.5	7.51
3. Conductivity	µmhos/cm	IS 3025 (Part-14)	--	--	--	--	2250	428.0
4. BOD (3 days at 27 °C)	mg/l.	IS 3025 (Part-44)	2	3	3	--	--	0.6
5. COD	mg/l.	IS3025(Part-58)	--	--	--	--	--	3.0
6. Total Dissolved Solids	mg/l.	IS 3025 (Part-16)	500.00		1500		2100	228.0
7. Total Suspended Solids	mg/l.	IS 3025 (Part-17)	--	--	--	--	--	11.0
8. Fluoride	mg/l.	APHA 4500 (F D)	1.5	1.5	1.5	--	--	0.16
9. Calcium Hardness	mg/l.	IS 3025 (Part-40)	200	--	--	--	--	82.0
10. Magnesium Hardness	mg/l.	IS 3025 (Part-46)	200	--	--	--	--	50.0
11. Boron as B	mg/l.	APHA 4500 B B	---	--	--	--	2.0	BLQ(LOQ-0.1)
12. Total. Coliform	/100 ml	IS: 1622:1981	Shall not be detectable in 100 ml					2.3 x10 ⁴ MPN/100 ml
13. E. coli	/100 ml	IS: 1622:1981	Shall not be detectable in 100 ml					1.3 x10 ⁴ MPN/100 ml

BLQ= Below Limit of Quantification; LOQ= Limit of Quantification.



Vishal Sharma

Reviewed by :
Vishal Sharma (DQM)

S.S. Rukhaiyar

Authorized Signatory :
S.S. Rukhaiyar, Sec. I/c (Effluent)

Piyali Das Sharma

Authorized Signatory :
Piyali Das Sharma, Sec. I/c (Mcb.)

Shreyasee Prasad

Quality Manager :
Dr. (Mrs.) Shreyasee Prasad

----- END OF REPORT -----

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Contact us : +918676886249

+919431047908

Email : coo@shivatesthouse.in

cao@shivatesthouse.in



TEST REPORT

Name and Address of Customer :

M/s NTPC Ltd.
D.S.T.P Darlipali,
Darpali Village
Sundargarh,
Odisha – 770 072

Sampling Details :

ULR Number STH/TR/25-26/04/210
Date of Sampling 08.04.2025
Sample Received on 09.04.2025
Method of Sampling IS 3025, APHA
Env. Condition Temp. 34 °C Humidity 67 %
Sample Quantity & Container 2 L. ; Polypropylene Bottle (02)
Sample Collected by Mr. Amar Tiwari; Lab Representative

Information by Customer :

Name / Nature of Sample : Surface Water Sample
Location of Sampling : Outlet Plant Drain Outside Area
W.O No.: 4000291355-037-1019
WO Date: 24.02.2025

Analysis Details :

Sample Code STH/25/04/210
Analysis Start Date 09.04.2025
Analysis Completion Date 14.04.2025
Sample Condition on Receipt Fit for analysis
Items required to be Tested As per contract
Any Specific Test Method No
Reporting Date 02.05.2025
Report Prepared by Palak Rai

ANALYSIS RESULTS

Parameters	Unit	Method of Test	Tolerance Limit as per IS 2296-1982					Results
			Class 'A'	Class 'B'	Class 'C'	Class 'D'	Class 'E'	
1. Temperature	°C	APHA 2550 B 23 rd Edition 2017	---	---	---	---	---	24.0°C
2. pH	--	IS 3025 (Part-11)	6.5 to 8.5	6.5 to 8.5	6.0 to 9.0	6.5 to 8.5	6.0 to 8.5	7.26
3. Conductivity	µmhos/cm	IS 3025 (Part-14)	--	--	--	--	2250	418.0
4. BOD (3 days at 27 °C)	mg/l.	IS 3025 (Part-44)	2	3	3	--	--	0.9
5. COD	mg/l.	IS3025(Part-58)	--	--	--	--	--	4.0
6. Total Dissolved Solids	mg/l.	IS 3025 (Part-16)	500.00		1500		2100	236.0
7. Total Suspended Solids	mg/l.	IS 3025 (Part-17)	--	--	--	--	--	11.0
8. Fluoride	mg/l.	APHA 4500 (F D)	1.5	1.5	1.5	--	--	0.16
9. Calcium Hardness	mg/l.	IS 3025 (Part-40)	200	--	--	--	--	82.0
10. Magnesium Hardness	mg/l.	IS 3025 (Part-46)	200	--	--	--	--	50.0
11. Boron as B	mg/l.	APHA 4500 B B	---	--	--	--	2.0	BLQ(LOQ-0.1)
12. Total. Coliform	/100 ml	IS: 1622:1981	Shall not be detectable in 100 ml					3.4 x10 ⁴ MPN/100 ml
13. E. coli	/100 ml	IS: 1622:1981	Shall not be detectable in 100 ml					0.4x10 ⁴ MPN/100 ml

BLQ= Below Limit of Quantification; LOQ= Limit of Quantification.



Vishal Sharma

Reviewed by :
Vishal Sharma (DQM)

S.S. Rukhaiyar

Authorized Signatory :
S.S. Rukhaiyar, Sec. I/c (Effluent)

Piyali Das Sharma

Authorized Signatory :
Piyali Das Sharma, Sec. I/c (Mcb.)

Shreyasee Prasad

Quality Manager :
Dr. (Mrs.) Shreyasee Prasad

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Contact us : +918676886249

+919431047908

Email : coo@shivatesthouse.in

cao@shivatesthouse.in



TEST REPORT

Name and Address of Customer :

M/s NTPC Ltd.
D.S.T.P Darlipali,
Darpali Village
Sundargarh,
Odisha – 770 072

Sampling Details :

ULR Number STH/TR/25-26/04/211
Date of Sampling 08.04.2025
Sample Received on 09.04.2025
Method of Sampling IS 3025, APHA
Env. Condition Temp. 34 °C Humidity 67 %
Sample Quantity & Container 2 L. ; Polypropylene Bottle (02)
Sample Collected by Mr. Amar Tiwari; Lab Representative

Information by Customer :

Name / Nature of Sample : Surface Water Sample
Location of Sampling : Raw Water Reservoir 01
W.O No.: 4000291355-037-1019
WO Date: 24.02.2025

Analysis Details :

Sample Code STH/25/04/211
Analysis Start Date 09.04.2025
Analysis Completion Date 14.04.2025
Sample Condition on Receipt Fit for analysis
Items required to be Tested As per contract
Any Specific Test Method No
Reporting Date 02.05.2025
Report Prepared by Palak Rai

ANALYSIS RESULTS

Parameters	Unit	Method of Test	Tolerance Limit as per IS 2296-1982					Results
			Class 'A'	Class 'B'	Class 'C'	Class 'D'	Class 'E'	
1. Temperature	°C	APHA 2550 B 23 rd Edition 2017	---	---	---	---	---	23.0°C
2. pH	--	IS 3025 (Part-11)	6.5 to 8.5	6.5 to 8.5	6.0 to 9.0	6.5 to 8.5	6.0 to 8.5	7.56
3. Conductivity	µmhos/cm	IS 3025 (Part-14)	--	--	--	--	2250	348.0
4. BOD (3 days at 27 °C)	mg/l.	IS 3025 (Part-44)	2	3	3	--	--	0.7
5. COD	mg/l.	IS3025(Part-58)	--	--	--	--	--	4.0
6. Total Dissolved Solids	mg/l.	IS 3025 (Part-16)	500.00		1500		2100	196.0
7. Total Suspended Solids	mg/l.	IS 3025 (Part-17)	--	--	--	--	--	11.0
8. Fluoride	mg/l.	APHA 4500 (F D)	1.5	1.5	1.5	--	--	0.20
9. Calcium Hardness	mg/l.	IS 3025 (Part-40)	200	--	--	--	--	60.0
10. Magnesium Hardness	mg/l.	IS 3025 (Part-46)	200	--	--	--	--	36.0
11. Boron as B	mg/l.	APHA 4500 B B	---	--	--	--	2.0	BLQ(LOQ-0.1)
12. Total. Coliform	/100 ml	IS: 1622:1981	Shall not be detectable in 100 ml					2.7 x10 ⁴ MPN/100 ml
13. E. coli	/100 ml	IS: 1622:1981	Shall not be detectable in 100 ml					0.7 x10 ⁴ MPN/100 ml

BLQ= Below Limit of Quantification; LOQ= Limit of Quantification.



Vishal Sharma

Reviewed by :
Vishal Sharma (DQM)

Sayan Sankar

Authorized Signatory :
S.S. Rukhaiyar, Sec. I/c (Effluent)

Piyali Das Sharma

Authorized Signatory :
Piyali Das Sharma, Sec. I/c (Mcb.)

Shreyasee Prasad

Quality Manager :
Dr. (Mrs.) Shreyasee Prasad

----- END OF REPORT -----

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+919431047908
Email : ceo@shivatesthouse.in
cao@shivatesthouse.in



TEST REPORT

Name and Address of Customer :

M/s NTPC Ltd.
D.S.T.P Darlipali,
Darpali Village
Sundargarh,
Odisha – 770 072

Sampling Details :

ULR Number STH/TR/25-26/04/212
Date of Sampling 08.04.2025
Sample Received on 09.04.2025
Method of Sampling IS 3025, APHA
Env. Condition Temp. 34 °C Humidity 67 %
Sample Quantity & Container 2 L. ; Polypropylene Bottle (02)

Sample Collected by Mr. Amar Tiwari; Lab Representative

Information by Customer :

Name / Nature of Sample : Surface Water Sample
Location of Sampling : Raw Water Reservoir 02
W.O No.: 4000291355-037-1019
WO Date: 24.02.2025

Analysis Details :

Sample Code STH/25/04/212
Analysis Start Date 09.04.2025
Analysis Completion Date 14.04.2025
Sample Condition on Receipt Fit for analysis
Items required to be Tested As per contract
Any Specific Test Method No
Reporting Date 02.05.2025
Report Prepared by Palak Rai

ANALYSIS RESULTS

Parameters	Unit	Method of Test	Tolerance Limit as per IS 2296-1982					Results
			Class 'A'	Class 'B'	Class 'C'	Class 'D'	Class 'E'	
1. Temperature	°C	APHA 2550 B 23 rd Edition 2017	---	---	---	---	---	23.5 °c
2. pH	--	IS 3025 (Part-11)	6.5 to 8.5	6.5 to 8.5	6.0 to 9.0	6.5 to 8.5	6.0 to 8.5	7.63
3. Conductivity	µmhos/cm.	IS 3025 (Part-14)	--	--	--	--	2250	320.0
4. BOD (3 days at 27 °C)	mg/l.	IS 3025 (Part-44)	2	3	3	--	--	0.8
5. COD	mg/l.	IS3025(Part-58)	--	--	--	--	--	3.0
6. Total Dissolved Solids	mg/l.	IS 3025 (Part-16)	500.00		1500		2100	172.0
7. Total Suspended Solids	mg/l.	IS 3025 (Part-17)	--	--	--	--	--	10.0
8. Fluoride	mg/l.	APHA 4500 (F D)	1.5	1.5	1.5	--	--	0.16
9. Calcium Hardness	mg/l.	IS 3025 (Part-40)	200	--	--	--	--	56.0
10. Magnesium Hardness	mg/l.	IS 3025 (Part-46)	200	--	--	--	--	30.0
11. Boron as B	mg/l.	APHA 4500 B B	---	--	--	--	2.0	BLQ(LOQ-0.1)
12. Total. Coliform	/100 ml	IS: 1622:1981	Shall not be detectable in 100 ml					3.3 x10 ⁴ MPN/100 ml
13. E. coli	/100 ml	IS: 1622:1981	Shall not be detectable in 100 ml					1.4 x10 ⁴ MPN/100 ml

BLQ= Below Limit of Quantification; LOQ= Limit of Quantification.



Vishal Sharma

Reviewed by :
Vishal Sharma (DQM)

S.S. Rukhaiyar

Authorized Signatory :
S.S. Rukhaiyar, Sec. I/c (Effluent)

Piyali Das Sharma

Authorized Signatory :
Piyali Das Sharma, Sec. I/c (Mcb.)

Shreyasee Prasad

Quality Manager :
Dr. (Mrs.) Shreyasee Prasad

----- END OF REPORT -----

N.B.: (1) This report applies only to sample tested as above. (2) Total Liability of our Laboratory is limited to invoiced amount. (3) Test Report endorsed only the tests and not the product certificate. (4) Test Report cannot be reproduced partially or full for legal/court purpose without written permission of the Laboratory.





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Contact us : +918676886249

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Email : coo@shivatesthouse.in

cao@shivatesthouse.in



TEST REPORT

Name and Address of Customer :

M/s NTPC Ltd.
D.S.T.P Darlipali,
Darpali Village
Sundargarh,
Odisha – 770 072

Sampling Details :

ULR Number STH/TR/25-26/04/219,220
Date of Sampling 08.04.2025
Sample Received on 09.04.2025
Method of Sampling IS 11255 (Part-1,2,3 & 7)
Env. Condition Temp. 34°C Humidity 67 %
Instrument ID STH/Equip/53
Sample Quantity & Container 60 ml Thimble & Sample Glass Carriage

Sample Collected by Mr. Amar Tiwari; Lab Representative

Information by Customer :

Name / Nature of Sample : Stack Emission
Location of Sampling : Within Premises
W.O No.: 4000291355-037-1019
WO Date: 24.02.2025

Analysis Details :

Sample Code Given Below
Analysis Start Date 09.04.2025
Analysis Completion Date 14.04.2025
Sample Condition on Receipt Fit for analysis
Items required to be Tested As per contract

Any Specific Test Method No

Reporting Date 02.05.2025

Report Prepared by Palak Rai

ANALYSIS RESULTS

Parameters	Unit	Method of Test	Date of Sampling /Sample Code/ Results		
			08.04.25	08.04.25	
			SC_STH/25/04/219	SC_STH/25/04/220	
1. Type of Fuel			Coal (553.6 Tons/Hrs. Approx.)	Coal (542.8 Tons/Hrs. Approx.)	
2. Stack Connected to			Boiler No. 1 (Unit – 1)	Boiler No. 2 (Unit – 2)	
3. Generation Capacity	MW		800 MW	800 MW	
4. Load Unit	MW		788.2	781.34	
5. Height of Stack (as reported)	Meter		275.0 m.	275.0 m.	
6. Dia. of Stack at Top (as reported)	Meter		7.0 m.	7.0 m.	
7. Material of Construction	--		Concrete	Concrete	
8. Ambient Temperature	°C		35.0	35.0	
9. Flue Gas Temperature	°C		108.0	114.0	
10. Barometric Pressure	mm of Hg		756.0	756.0	
11. Velocity	m/sec.	IS 11255 (Part-3)	21.3	21.9	
12. Flow Rate	NM ³ /hr		2309311.2	2333571.5	
13. Sampling Point	Meter		90.00 m.	90.00 m.	
			Limit as per E(P) Rules	Concentration	Concentration
14. Particulate Matter (P.M.)	mg / NM ³	IS 11255 (Part-1)	30 mg / NM ³	23.2	22.0
15. Sulphur Dioxide (SO ₂)	mg / NM ³	IS 11255 (Part-2)	100 mg / NM ³	728.4	777.0
16. Oxides of Nitrogen (NO _x)	mg / NM ³	IS 11255 (Part-7)	100 mg / NM ³	284.8	289.3
17. Carbon Dioxide (CO ₂)	% V/V	IS 13270 – 1992	Not Specified	11.6	11.5
18. Mercury as Hg	mg / NM ³	US EPA (Method 29)	0.03	BLQ (LOQ-0.05)	BLQ (LOQ-0.05)

BLQ= Below Limit of Quantification; LOQ= Limit of Quantification

Vishal Sharma

Reviewed by :

Vishal Sharma (DQM)

Abhishek Kumar

Authorized Signatory :

Abhishek Kumar, Sec. I/c (Air Proximate)

Authorized Signatory:

Chittaranjan Das, Sec. I/c (Food & Water Proximate, Trace Metals)

Shreyasee Prasad

Quality Manager :

Dr. (Mrs.) Shreyasee Prasad

----- END OF REPORT -----

N.B.: (1) This report applies only to sample tested as above. (2) Total Liability of our Laboratory is limited to invoiced amount. (3) Test Report endorsed only the tests and not the product certificate. (4) Test Report cannot be reproduced partially or full for legal/court purpose without written permission of the Laboratory.





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+919431047908

Email : ceo@shivatesthouse.in
ceo@shivatesthouse.in



TEST REPORT

Name and Address of Customer :

M/s NTPC Ltd.
D.S.T.P Darlipali,
Darpali Village
Sundargarh,
Odisha – 770 072

Sampling Details :

ULR Number STH/TR/25-26/04/890,891
Date of Sampling 21.04.2025
Sample Received on 22.04.2025
Method of Sampling IS 11255 (Part-1,2,3 & 7)
Env. Condition Temp. 35 °C Humidity 69 %
Instrument ID STH/Equip/53
Sample Quantity & Container 60 ml Thimble & Sample Glass Carriage

Sample Collected by Mr. Amar Tiwari; Lab Representative

Information by Customer :

Name / Nature of Sample : Stack Emission
Location of Sampling : Within Premises
W.O No.: 4000291355-037-1019
WO Date: 24.02.2025

Analysis Details :

Sample Code Given Below
Analysis Start Date 22.04.2025
Analysis Completion Date 27.04.2025
Sample Condition on Receipt Fit for analysis
Items required to be Tested As per contract

Any Specific Test Method No

Reporting Date 02.05.2025
Report Prepared by Palak Rai

ANALYSIS RESULTS

Parameters	Unit	Method of Test	Date of Sampling /Sample Code/ Results		
			21.04.25	21.04.25	21.04.25
1. Type of Fuel			SC_ STH/25/04/890	SC_ STH/25/04/891	
2. Stack Connected to			Coal (553.6 Tons/Hrs. Approx.)	Coal (542.8 Tons/Hrs. Approx.)	
3. Generation Capacity	MW		Boiler No. 1 (Unit – 1)	Boiler No. 2 (Unit – 2)	
4. Load Unit	MW		800 MW	800 MW	
5. Height of Stack (as reported)	Meter		791.1	788.4	
6. Dia. of Stack at Top (as reported)	Meter		275.0 m.	275.0 m.	
7. Material of Construction	--		7.0 m.	7.0 m.	
8. Ambient Temperature	°C		Concrete	Concrete	
9. Flue Gas Temperature	°C		36.0	36.0	
10. Barometric Pressure	mm of Hg		112.0	108.0	
11. Velocity	m/sec.	IS 11255 (Part-3)	755.0	755.0	
12. Flow Rate	NM ³ /hr		22.6	21.3	
13. Sampling Point	Meter		2424336.1	2307789.7	
			90.00 m.	90.00 m.	
			Limit as per E(P) Rules	Concentration	Concentration
14. Particulate Matter (P.M.)	mg / NM ³	IS 11255 (Part-1)	30 mg / NM ³	23.5	28.1
15. Sulphur Dioxide (SO ₂)	mg / NM ³	IS 11255 (Part-2)	100 mg / NM ³	797.8	812.0
16. Oxides of Nitrogen (NO _x)	mg / NM ³	IS 11255 (Part-7)	100 mg / NM ³	298.2	291.4
17. Carbon Dioxide (CO ₂)	% V/V	IS 13270 – 1992	Not Specified	11.5	11.6
18. Mercury as Hg	mg / NM ³	US EPA (Method 29)	0.03	BLQ (LOQ-0.05)	BLQ (LOQ-0.05)

Vishal Sharma

Reviewed by :
Vishal Sharma (DQM)

Abhishek Kumar

Authorized Signatory :
Abhishek Kumar, Sec. I/c (Air Proximate)

Chittaranjan Das

Authorized Signatory :
Chittaranjan Das, Sec. I/c (Food & Water Proximate, Trace Metals)

Shreyasee Prasad

Quality Manager :
Dr. (Mrs.) Shreyasee Prasad

----- END OF REPORT -----

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122-C, Aastha, Road No. 5A,

Patliputra Colony,

Patna – 800 013 (Bihar)

Contact us : +918676886249

+919431047908

Email : coo@shivatesthouse.in

cao@shivatesthouse.in



TEST REPORT

Name and Address of Customer :

M/s NTPC Ltd.
D.S.T.P Darlipali,
Darpali Village
Sundargarh,
Odisha – 770 072

Sampling Details :

ULR Number STH/TR/25-26/04/61
Date of Sampling 03.04.2025
Sample Received on 05.04.2025
Method of Sampling IS 3025, APHA
Env. Condition Temp. 32 °C Humidity 65 %
Sample Quantity & Container 2 L. ; Polypropylene Bottle (02)
Sample Collected by Mr. Amar Tiwari; Lab Representative

Information by Customer :

Name / Nature of Sample : Effluent Sample
Location of Sampling : Ash Pond Sample
W.O No.: 4000291355-037-1019
WO Date: 24.02.2025

Analysis Details :

Sample Code STH/25/04/61
Analysis Start Date 05.04.2025
Analysis Completion Date 10.04.2025
Sample Condition on Receipt Fit for analysis
Items required to be Tested As per contract
Any Specific Test Method No
Reporting Date 02.05.2025
Report Prepared by Palak Rai

ANALYSIS RESULTS

Sl. No.	Parameters	Unit	Method of Test	Result
1.	pH at 25 ⁰ C	mg/l.	IS 3025 (Part-11)	7.46
2.	Suspended Solids	mg/l.	IS 3025(Part-17)	12.0
3.	Oil & Grease	mg/l.	IS 3025 (Part-39)	<4 .0
4.	Fluoride as F	mg/l.	APHA 4500 (F D)	0.42
5.	Mercury as Hg	mg/l.	APHA 3112 B	BLQ
6.	Total Chromium as Cr	mg/l.	APHA 3111 B	BLQ
7.	Arsenic as As	mg/l.	APHA 3114 B	BLQ
8.	Lead as Pb	mg/l.	APHA 3111 B	BLQ

BLQ= Below Limit of Quantification; **LOQ=** Limit of Quantification.



Vishal Sharma

Reviewed by :
Vishal Sharma (DQM)

S.S. Rukhaiyar

Authorized Signatory :
S.S. Rukhaiyar, Sec. I/c (Effluent)

Shreyasee Prasad

Quality Manager :
Dr. (Mrs.) Shreyasee Prasad

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Patliputra Colony,
Patna – 800 013 (Bihar)
Contact us : +918676886249
+919431047908

Email : coo@shivatesthouse.in
cao@shivatesthouse.in



SUMMARY REPORT

Name and Address of Customer:

M/s NTPC Ltd.
D.S.T.P Darlipali,
Darpali Village
Sundargarh,
Odisha – 770 072

Information by Customer:

Name / Nature of Sample: AAQ (As per NAAQS)
Location of Sampling: Watch Tower (AAQMS -1)
W.O No.: 4000291355-037-1019
WO Date: 24.02.2025

Sampling Details:

Sampling Period 01.04.25 to 30.04.25
Method of Sampling IS 5182 (Part – 14 & 5)
Sample Quantity & Container 30 ml x 6 for each (NO₂, SO₂, NH₃);
Filter Paper & Sample Carriage Bottle
Packing & marking Filter Papers Packed in plastic bags with
dates & Location names
Sample Collected by Mr. Amar Tiwari; Lab Representative

Analysis Details:

Sample Quantity 8
Sample Condition on Receipt Fit for analysis
Items required to be Tested As per contract
Any Specific Test Method No
Reporting Date 02.05.2025
Report Prepared By Palak Rai

ANALYSIS RESULTS

Date of Sampling	Parameters / Results						
	PM10 (µg/M ³) on 24hrly Basis	PM2.5 (µg/M ³) on 24hrly Basis	SO ₂ (µg/M ³) on 24hrly Basis	NO ₂ (µg/M ³) on 24hrly Basis	NH ₃ (µg/M ³) on 24hrly Basis	O ₃ (µg/M ³) on 24hrly Basis	CO (mg/M ³) on 1hrly Basis
Method of Test	IS 5182 (Part 23)	IS 5182 (Part-24)	IS 5182 (Part 2)	IS 5182 (Part 6)	IS 5182 (Part 25)	IS 5182 (Part 9)	IS 5182 (Part 10)
03.04.25	72.5	41.0	13.2	34.3	12.7	31.6	0.45
08.04.25	71.4	37.7	13.2	34.5	12.0	29.5	0.58
15.04.25	72.4	38.8	13.5	31.6	11.8	45.5	0.51
18.04.25	71.2	38.9	13.0	34.2	11.2	29.5	0.60
21.04.25	63.8	33.8	12.6	34.4	12.5	43.8	0.46
22.04.25	68.2	40.1	13.3	34.9	19.3	39.3	0.53
27.04.25	68.6	35.0	14.1	34.0	14.0	44.0	0.35
28.04.25	67.6	38.1	13.1	33.9	13.8	43.8	0.45
Average	69.5	37.9	13.3	34.0	13.4	38.4	0.49
Limit as per NAAQS 2009	100	60	80	80	400	180	4



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122-C, Aastha, Road No. 5A,
Patliputra Colony,
Patna – 800 013 (Bihar)
Contact us : +918676886249
+919431047908

Email : ceo@shivatesthouse.in
cao@shivatesthouse.in



SUMMARY REPORT

Continuation Sheet of location WATCH TOWER (AAQMS -I)

Date of Sampling	Parameters / Results				
	As (ng/M ³) on 24hrly Basis	Ni (ng/M ³) on 24hrly Basis	Lead (μg/M ³) on 24hrly Basis	Benzene (μg/M ³) on 24hrly Basis	Benzo (a) pyrene (ng/M ³) on 24hrly Basis
Method of Test	AAS Method	AAS Method	IS 5182 (Part 22)	IS 5182 (Part 11)	IS 5182 (Part 12)
03.04.25	BLQ	BLQ	BLQ	0.36	0.34
08.04.25	BLQ	BLQ	BLQ	0.24	0.27
15.04.25	BLQ	BLQ	BLQ	0.27	0.31
18.04.25	BLQ	BLQ	BLQ	0.24	0.27
21.04.25	BLQ	BLQ	BLQ	0.26	0.29
22.04.25	BLQ	BLQ	BLQ	0.26	0.31
27.04.25	BLQ	BLQ	BLQ	0.25	0.31
28.04.25	BLQ	BLQ	BLQ	0.30	0.35
Average	BLQ	BLQ	BLQ	0.27	0.31
Limit as per NAAQS 2009	6	20	1	5	1

BLQ = Below Limit of Quantification



Vishal Sharma

Reviewed by :
Vishal Sharma (DQM)

Abhishek Kumar

Authorized Signatory :
Abhishek Kumar, Sec. I/c (Air Proximate)

Chittaranjan Das

Authorized Signatory:
Chittaranjan Das, Sec. I/c (Food & Water Proximate, Trace Metals)

Shreyasee Prasad

Quality Manager :
Dr. (Mrs.) Shreyasee Prasad

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Contact us : +918676886249
+919431047908

Email : ceo@shivatesthouse.in
cao@shivatesthouse.in



SUMMARY REPORT

Name and Address of Customer:

M/s NTPC Ltd.
D.S.T.P Darlipali,
Darpali Village
Sundargarh,
Odisha – 770 072

Information by Customer:

Name / Nature of Sample: AAQ (As per NAAQS)
Location of Sampling: SWD AREA 1 (AAQMS -2)
W.O No.: 4000291355-037-1019
WO Date: 24.02.2025

Sampling Details:

Sampling Period 01.04.25 to 30.04.25
Method of Sampling IS 5182 (Part – 14 & 5)
Sample Quantity & Container 30 ml x 6 for each (NO₂, SO₂, NH₃);
Filter Paper & Sample Carriage Bottle
Packing & marking Filter Papers Packed in plastic bags with
dates & Location names
Sample Collected by Mr. Amar Tiwari; Lab Representative

Analysis Details:

Sample Quantity 8
Sample Condition on Receipt Fit for analysis
Items required to be Tested As per contract
Any Specific Test Method No
Reporting Date 02.05.2025
Report Prepared By Palak Rai

ANALYSIS RESULTS

Date of Sampling	Parameters / Results						
	PM10 (µg/M ³) on 24hrly Basis	PM2.5 (µg/M ³) on 24hrly Basis	SO ₂ (µg/M ³) on 24hrly Basis	NO ₂ (µg/M ³) on 24hrly Basis	NH ₃ (µg/M ³) on 24hrly Basis	O ₃ (µg/M ³) on 24hrly Basis	CO (mg/M ³) on 1hrly Basis
Method of Test	IS 5182 (Part 23)	IS 5182 (Part-24)	IS 5182 (Part 2)	IS 5182 (Part 6)	IS 5182 (Part25)	IS 5182 (Part 9)	IS 5182 (Part 10)
03.04.25	69.9	37.6	12.7	34.0	13.6	29.2	0.40
08.04.25	72.9	39.7	12.2	33.2	13.2	34.0	0.48
15.04.25	75.0	43.1	12.1	29.5	12.9	38.6	0.38
18.04.25	74.5	42.2	9.4	28.1	13.3	31.9	0.46
21.04.25	67.2	36.3	12.9	35.5	12.7	48.4	0.53
22.04.25	70.1	41.3	11.9	32.7	20.4	42.9	0.48
27.04.25	70.4	40.2	12.7	35.3	13.3	39.5	0.48
28.04.25	67.0	39.7	12.3	31.6	11.9	48.6	0.64
Average	70.9	40.0	12.0	32.5	13.9	39.1	0.48
Limit as per NAAQS 2009	100	60	80	80	400	180	4



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122-C, Aastha, Road No. 5A,

Patliputra Colony,

Patna – 800 013 (Bihar)

Contact us : +918676886249

+919431047908

Email : ceo@shivatesthouse.in

cao@shivatesthouse.in



SUMMARY REPORT

Continuation Sheet of location SWD AREA 1 (AAQMS -2)

Date of Sampling	Parameters / Results				
	As (ng/M ³) on 24hrly Basis	Ni (ng/M ³) on 24hrly Basis	Lead (µg/M ³) on 24hrly Basis	Benzene (µg/M ³) on 24hrly Basis	Benzo (a) pyrene (ng/M ³) on 24hrly Basis
Method of Test	AAS Method	AAS Method	IS 5182 (Part 22)	IS 5182 (Part 11)	IS 5182 (Part 12)
03.04.25	BLQ	BLQ	BLQ	0.28	0.31
08.04.25	BLQ	BLQ	BLQ	0.31	0.23
15.04.25	BLQ	BLQ	BLQ	0.30	0.28
18.04.25	BLQ	BLQ	BLQ	0.26	0.33
21.04.25	BLQ	BLQ	BLQ	0.32	0.28
22.04.25	BLQ	BLQ	BLQ	0.25	0.30
27.04.25	BLQ	BLQ	BLQ	0.28	0.35
28.04.25	BLQ	BLQ	BLQ	0.28	0.33
Average	BLQ	BLQ	BLQ	0.29	0.30
Limit as per NAAQS 2009	6	20	1	5	1

BLQ= Below Limit of Quantification



Vishal Sharma

Reviewed by :
Vishal Sharma (DQM)

Abhishek Kumar

Authorized Signatory :
Abhishek Kumar, Sec. I/c (Air Proximate)

Chittaranjan Das

Authorized Signatory:
Chittaranjan Das, Sec. I/c (Food & Water Proximate, Trace Metals)

Shreyasee Prasad

Quality Manager :
Dr. (Mrs.) Shreyasee Prasad

----- END OF REPORT -----

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Email : coo@shivatesthouse.in
cao@shivatesthouse.in



SUMMARY REPORT

Name and Address of Customer:

M/s NTPC Ltd.
D.S.T.P Darlipali,
Darpali Village
Sundargarh,
Odisha – 770 072

Information by Customer:

Name / Nature of Sample: AAQ (As per NAAQS)
Location of Sampling: SWD AREA 2 (AAQMS -3)
W.O No.: 4000291355-037-1019
WO Date: 24.02.2025

Sampling Details:

Sampling Period 01.04.25 to 30.04.25
Method of Sampling IS 5182 (Part – 14 & 5)
Sample Quantity & Container 30 ml x 6 for each (NO₂, SO₂, NH₃);
Filter Paper & Sample Carriage Bottle
Packing & marking Filter Papers Packed in plastic bags with
dates & Location names
Sample Collected by Mr. Amar Tiwari; Lab Representative

Analysis Details:

Sample Quantity 8
Sample Condition on Receipt Fit for analysis
Items required to be Tested As per contract
Any Specific Test Method No
Reporting Date 02.05.2025
Report Prepared By Palak Rai

ANALYSIS RESULTS

Date of Sampling	Parameters / Results						
	PM10 (µg/M ³) on 24hrly Basis	PM2.5 (µg/M ³) on 24hrly Basis	SO ₂ (µg/M ³) on 24hrly Basis	NO ₂ (µg/M ³) on 24hrly Basis	NH ₃ (µg/M ³) on 24hrly Basis	O ₃ (µg/M ³) on 24hrly Basis	CO (mg/M ³) on 1hrly Basis
Method of Test	IS 5182 (Part 23)	IS 5182 (Part-24)	IS 5182 (Part 2)	IS 5182 (Part 6)	IS 5182 (Part 5)	IS 5182 (Part 9)	IS 5182 (Part 10)
03.04.25	65.5	37.5	10.9	33.8	12.8	26.9	0.54
08.04.25	68.5	36.7	10.8	31.7	14.3	30.0	0.33
15.04.25	71.1	37.6	10.7	28.9	14.3	35.9	0.45
18.04.25	70.5	41.3	11.6	32.6	14.3	35.9	0.43
21.04.25	68.4	37.6	10.4	34.0	12.1	39.8	0.54
22.04.25	67.3	37.7	11.9	29.6	17.7	36.5	0.44
27.04.25	68.4	37.1	13.5	33.5	13.8	37.5	0.40
28.04.25	66.0	36.3	9.9	32.0	12.3	39.2	0.51
Average	68.2	37.7	11.2	32.0	14.0	35.2	0.46
Limit as per NAAQS 2009	100	60	80	80	400	180	4



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Head Office :

122-C, Aastha, Road No. 5A,

Patliputra Colony,

Patna – 800 013 (Bihar)

Contact us : +918676886249

+919431047908

Email : ceo@shivatesthouse.in

ceo@shivatesthouse.in



SUMMARY REPORT

Continuation Sheet of location SWD AREA 2 (AAQMS -3)

Date of Sampling	Parameters / Results				
	As (ng/M ³) on 24hrly Basis	Ni (ng/M ³) on 24hrly Basis	Lead (µg/M ³) on 24hrly Basis	Benzene (µg/M ³) on 24hrly Basis	Benzo (a) pyrene (ng/M ³) on 24hrly Basis
Method of Test	AAS Method	AAS Method	IS 5182 (Part 22)	IS 5182 (Part 11)	IS 5182 (Part 12)
03.04.25	BLQ	BLQ	BLQ	0.32	0.29
08.04.25	BLQ	BLQ	BLQ	0.26	0.32
15.04.25	BLQ	BLQ	BLQ	0.35	0.32
18.04.25	BLQ	BLQ	BLQ	0.28	0.35
21.04.25	BLQ	BLQ	BLQ	0.34	0.31
22.04.25	BLQ	BLQ	BLQ	0.28	0.33
27.04.25	BLQ	BLQ	BLQ	0.24	0.30
28.04.25	BLQ	BLQ	BLQ	0.27	0.34
Average	BLQ	BLQ	BLQ	0.29	0.32
Limit as per NAAQS 2009	6	20	1	5	1

BLQ= Below Limit of Quantification



Vishal Sharma

Reviewed by :
Vishal Sharma (DQM)

Abhishek Kumar

Authorized Signatory :
Abhishek Kumar, Sec. I/c (Air Proximate)

Chittaranjan Das

Authorized Signatory:
Chittaranjan Das, Sec. I/c (Food & Water Proximate, Trace Metals)

Shreyasee Prasad

Quality Manager :
Dr. (Mrs.) Shreyasee Prasad

----- END OF REPORT -----

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SUMMARY REPORT

Name and Address of Customer:

M/s NTPC Ltd.
D.S.T.P Darlipali,
Darpali Village
Sundargarh,
Odisha – 770 072

Information by Customer:

Name / Nature of Sample: AAQ (As per NAAQS)
Location of Sampling: CISF Colony (AAQMS -4)
W.O No.: 4000291355-037-1019
WO Date: 24.02.2025

Sampling Details:

Sampling Period 01.04.25 to 30.04.25
Method of Sampling IS 5182 (Part – 14 & 5)
Sample Quantity & Container 30 ml x 6 for each (NO₂, SO₂, NH₃);
Filter Paper & Sample Carriage Bottle
Packing & marking Filter Papers Packed in plastic bags with
dates & Location names
Sample Collected by Mr. Amar Tiwari; Lab Representative

Analysis Details:

Sample Quantity 8
Sample Condition on Receipt Fit for analysis
Items required to be Tested As per contract
Any Specific Test Method No
Reporting Date 02.05.2025
Report Prepared By Palak Rai

ANALYSIS RESULTS

Date of Sampling	Parameters / Results						
	PM10 (µg/M ³) on 24hrly Basis	PM2.5 (µg/M ³) on 24hrly Basis	SO ₂ (µg/M ³) on 24hrly Basis	NO ₂ (µg/M ³) on 24hrly Basis	NH ₃ (µg/M ³) on 24hrly Basis	O ₃ (µg/M ³) on 24hrly Basis	CO (mg/M ³) on 1hrly Basis
Method of Test	IS 5182 (Part 23)	IS 5182 (Part-24)	IS 5182 (Part 2)	IS 5182 (Part 6)	IS 5182 (Part 5)	IS 5182 (Part 9)	IS 5182 (Part 10)
03.04.25	68.7	38.3	12.1	32.4	13.9	33.9	0.50
08.04.25	64.9	35.0	13.1	32.5	12.5	35.1	0.31
15.04.25	68.6	36.8	12.6	34.1	12.5	45.6	0.31
18.04.25	68.6	39.6	14.1	35.2	13.2	40.0	0.38
21.04.25	67.5	35.1	11.8	31.6	12.3	49.2	0.65
22.04.25	66.7	37.5	9.9	30.7	17.4	39.6	0.36
27.04.25	66.2	36.8	12.2	35.1	11.8	40.9	0.43
28.04.25	65.5	35.5	10.6	32.5	12.2	47.2	0.54
Average	67.1	36.8	12.1	33.0	13.2	41.4	0.44
Limit as per NAAQS 2009	100	60	80	80	400	180	4



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Patna - 800 013 (Bihar)
Contact us : +918676886249
+919431047908

Email : ceo@shivatesthouse.in
ceo@shivatesthouse.in



SUMMARY REPORT

Continuation Sheet of location CISF Colony (AAQMS -4)

Date of Sampling	Parameters / Results				
	As (ng/M ³) on 24hrly Basis	Ni (ng/M ³) on 24hrly Basis	Lead (μg/M ³) on 24hrly Basis	Benzene (μg/M ³) on 24hrly Basis	Benzo (a) pyrene (ng/M ³) on 24hrly Basis
Method of Test	AAS Method	AAS Method	IS 5182 (Part 22)	IS 5182 (Part 11)	IS 5182 (Part 12)
03.04.25	BLQ	BLQ	BLQ	0.26	0.29
08.04.25	BLQ	BLQ	BLQ	0.28	0.33
15.04.25	BLQ	BLQ	BLQ	0.24	0.29
18.04.25	BLQ	BLQ	BLQ	0.25	0.31
21.04.25	BLQ	BLQ	BLQ	0.25	0.33
22.04.25	BLQ	BLQ	BLQ	0.24	0.35
27.04.25	BLQ	BLQ	BLQ	0.29	0.32
28.04.25	BLQ	BLQ	BLQ	0.26	0.32
Average	BLQ	BLQ	BLQ	0.26	0.32
Limit as per NAAQS 2009	6	20	1	5	1

BLQ= Below Limit of Quantification



Vishal Sharma

Reviewed by :
Vishal Sharma (DQM)

Abhishek Kumar

Authorized Signatory :
Abhishek Kumar, Sec. I/c (Air Proximate)

Chittaranjan Das

Authorized Signatory:
Chittaranjan Das, Sec. I/c (Food & Water Proximate, Trace Metals)

Shreyasee Prasad

Quality Manager :
Dr. (Mrs.) Shreyasee Prasad

----- END OF REPORT -----

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Patliputra Colony,
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Contact us : +918676886249
+919431047908
Email : ceo@shivatesthouse.in
ceo@shivatesthouse.in



SUMMARY REPORT

Name and Address of Customer:

M/s NTPC Ltd.
D.S.T.P Darlipali,
Darpali Village
Sundargarh,
Odisha – 770 072

Information by Customer:

Name / Nature of Sample: AAQ (As per NAAQS)
Location of Sampling: Ash Pond (AAQMS -5)
W.O No.: 4000291355-037-1019
WO Date: 24.02.2025

Sampling Details:

Sampling Period 01.04.25 to 30.04.25
Method of Sampling IS 5182 (Part – 14 & 5)
Sample Quantity & Container 30 ml x 6 for each (NO₂, SO₂, NH₃);
Filter Paper & Sample Carriage Bottle
Packing & marking Filter Papers Packed in plastic bags with
dates & Location names
Sample Collected by Mr. Amar Tiwari; Lab Representative

Analysis Details:

Sample Quantity 8
Sample Condition on Receipt Fit for analysis
Items required to be Tested As per contract
Any Specific Test Method No
Reporting Date 02.05.2025
Report Prepared By Palak Rai

ANALYSIS RESULTS

Date of Sampling	Parameters / Results						
	PM10 (µg/M ³) on 24hrly Basis	PM2.5 (µg/M ³) on 24hrly Basis	SO ₂ (µg/M ³) on 24hrly Basis	NO ₂ (µg/M ³) on 24hrly Basis	NH ₃ (µg/M ³) on 24hrly Basis	O ₃ (µg/M ³) on 24hrly Basis	CO (mg/M ³) on 1hrly Basis
Method of Test	IS 5182 (Part 23)	IS 5182 (Part-24)	IS 5182 (Part 2)	IS 5182 (Part 6)	IS 5182 (Part 5)	IS 5182 (Part 9)	IS 5182 (Part 10)
03.04.25	70.1	40.9	13.5	35.1	14.1	25.1	0.35
08.04.25	67.4	42.6	10.6	33.3	12.9	39.0	0.55
15.04.25	72.3	40.8	11.8	33.2	13.8	41.2	0.46
18.04.25	66.8	36.7	13.1	32.2	12.6	27.2	0.31
21.04.25	66.9	36.8	11.7	33.4	12.6	44.1	0.48
22.04.25	65.5	36.8	9.1	33.3	16.0	39.7	0.46
27.04.25	67.7	37.6	10.9	32.6	14.4	40.7	0.35
28.04.25	64.6	31.7	9.1	31.9	11.8	43.8	0.44
Average	67.7	38.0	11.2	33.1	13.5	37.6	0.43
Limit as per NAAQS 2009	100	60	80	80	400	180	4



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Patliputra Colony,

Patna – 800 013 (Bihar)

Contact us : +918676886249

+919431047908

Email : ceo@shivatesthouse.in

cao@shivatesthouse.in



SUMMARY REPORT

Continuation Sheet of location ASH POND (AAQMS -5)

Date of Sampling	Parameters / Results				
	As (ng/M ³) on 24hrly Basis	Ni (ng/M ³) on 24hrly Basis	Lead (µg/M ³) on 24hrly Basis	Benzene (µg/M ³) on 24hrly Basis	Benzo (a) pyrene (ng/M ³) on 24hrly Basis
Method of Test	AAS Method	AAS Method	IS 5182 (Part 22)	IS 5182 (Part 11)	IS 5182 (Part 12)
03.04.25	BLQ	BLQ	BLQ	0.25	0.30
08.04.25	BLQ	BLQ	BLQ	0.25	0.34
15.04.25	BLQ	BLQ	BLQ	0.33	0.26
18.04.25	BLQ	BLQ	BLQ	0.27	0.32
21.04.25	BLQ	BLQ	BLQ	0.27	0.34
22.04.25	BLQ	BLQ	BLQ	0.27	0.28
27.04.25	BLQ	BLQ	BLQ	0.26	0.34
28.04.25	BLQ	BLQ	BLQ	0.29	0.31
Average	BLQ	BLQ	BLQ	0.27	0.31
Limit as per NAAQS 2009	6	20	1	5	1

BLQ= Below Limit of Quantification



Vishal Sharma

Reviewed by :
Vishal Sharma (DQM)

Abhishek Kumar

Authorized Signatory :
Abhishek Kumar, Sec. I/c (Air Proximate)

Chittaranjan Das

Authorized Signatory:
Chittaranjan Das, Sec. I/c (Food & Water Proximate, Trace Metals)

Shreyasee Prasad

Quality Manager :
Dr. (Mrs.) Shreyasee Prasad

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Contact us : +918676886249

+919431047908

Email : coo@shivatesthouse.in

cao@shivatesthouse.in



SUMMARY REPORT

Name and Address of Customer:

M/s NTPC Ltd.
D.S.T.P Darlipali,
Darpali Village
Sundargarh,
Odisha – 770 072

Information by Customer:

Name / Nature of Sample: AAQ (As per NAAQS)
Location of Sampling: Darlipali Village Area (AAQMS -6)
W.O No.: 4000291355-037-1019
WO Date: 24.02.2025

Sampling Details:

Sampling Period 01.04.25 to 30.04.25
Method of Sampling IS 5182 (Part – 14 & 5)
Sample Quantity & Container 30 ml x 6 for each (NO₂, SO₂, NH₃);
Filter Paper & Sample Carriage Bottle
Packing & marking Filter Papers Packed in plastic bags with
dates & Location names
Sample Collected by Mr. Amar Tiwari; Lab Representative

Analysis Details:

Sample Quantity 8
Sample Condition on Receipt Fit for analysis
Items required to be Tested As per contract
Any Specific Test Method No
Reporting Date 02.05.2025
Report Prepared By Palak Rai

ANALYSIS RESULTS

Date of Sampling	Parameters / Results						
	PM10 (µg/M ³) on 24hrly Basis	PM2.5 (µg/M ³) on 24hrly Basis	SO ₂ (µg/M ³) on 24hrly Basis	NO ₂ (µg/M ³) on 24hrly Basis	NH ₃ (µg/M ³) on 24hrly Basis	O ₃ (µg/M ³) on 24hrly Basis	CO (mg/M ³) on 1hrly Basis
Method of Test	IS 5182 (Part 23)	IS 5182 (Part-24)	IS 5182 (Part 2)	IS 5182 (Part 6)	IS 5182 (Part 5)	IS 5182 (Part 9)	IS 5182 (Part 10)
03.04.25	64.3	36.8	8.5	30.6	11.8	29.4	0.39
08.04.25	68.8	37.2	14.0	35.1	11.2	29.1	0.36
15.04.25	67.3	38.8	13.1	31.6	14.4	39.0	0.48
18.04.25	77.9	46.0	10.5	31.4	11.2	41.2	0.51
21.04.25	65.0	34.6	13.6	31.0	11.3	40.8	0.60
22.04.25	64.9	35.0	11.4	33.2	16.8	39.7	0.41
27.04.25	65.8	36.3	13.9	31.4	14.7	36.4	0.38
28.04.25	63.6	33.7	11.6	30.7	10.0	39.6	0.55
Average	67.2	37.3	12.1	31.9	12.7	36.9	0.46
Limit as per NAAQS 2009	100	60	80	80	400	180	4



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Patna - 800 013 (Bihar)
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+919431047908

Email : coo@shivatesthouse.in
cao@shivatesthouse.in



SUMMARY REPORT

Continuation Sheet of location **DARLIPALI VILLAGE AREA (AAQMS -6)**

Date of Sampling	Parameters / Results				
	As (ng/M ³) on 24hrly Basis	Ni (ng/M ³) on 24hrly Basis	Lead (µg/M ³) on 24hrly Basis	Benzene (µg/M ³) on 24hrly Basis	Benzo (a) pyrene (ng/M ³) on 24hrly Basis
Method of Test	AAS Method	AAS Method	IS 5182 (Part 22)	IS 5182 (Part 11)	IS 5182 (Part 12)
03.04.25	BLQ	BLQ	BLQ	0.34	0.28
08.04.25	BLQ	BLQ	BLQ	0.35	0.29
15.04.25	BLQ	BLQ	BLQ	0.31	0.25
18.04.25	BLQ	BLQ	BLQ	0.26	0.30
21.04.25	BLQ	BLQ	BLQ	0.24	0.30
22.04.25	BLQ	BLQ	BLQ	0.32	0.34
27.04.25	BLQ	BLQ	BLQ	0.25	0.33
28.04.25	BLQ	BLQ	BLQ	0.25	0.33
Average	BLQ	BLQ	BLQ	0.29	0.30
Limit as per NAAQS 2009	6	20	1	5	1

BLQ= Below Limit of Quantification



Vishal Sharma

Reviewed by :
Vishal Sharma (DQM)

Abhishek Kumar

Authorized Signatory :
Abhishek Kumar, Sec. I/c (Air Proximate)

Chittaranjan Das

Authorized Signatory:
Chittaranjan Das, Sec. I/c (Food & Water Proximate, Trace Metals)

Shreyasee Prasad

Quality Manager :
Dr. (Mrs.) Shreyasee Prasad

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Patna – 800 013 (Bihar)
Contact us : +918676886249
+919431047908

Email : ceo@shivatesthouse.in
ceo@shivatesthouse.in



TEST REPORT

Name and Address of Customer :

M/s NTPC Ltd.
D.S.T.P Darlipali,
Darpali Village
Sundargarh,
Odisha – 770 072

Sampling Details :

ULR Number STH/TR/25-26/04/1367-1372
Date of Sampling 28.04.2025
Sample Received on 29.04.2025
Method of Sampling IS : 9989
Env. Condition Temp. 36 °C Humidity 71 %

Sample Collected by Mr. Amar Tiwari; Lab Representative

Information by Customer :

Name / Nature of Sample : Ambient Noise Level
Location of Sampling : Within Premises
W.O No.: 4000291355-037-1019
WO Date: 24.02.2025

Analysis Details :

Sample Code NA
Analysis Start Date 28.04.2025
Analysis Completion Date 29.04.2025
Sample Condition on Receipt Fit for analysis
Items required to be Tested As per contract
Any Specific Test Method No
Reporting Date 02.05.2025
Report Prepared by Palak Rai

ANALYSIS RESULTS

Sampling Location	Unit	Standards in dB(A)		TWA Of Noise Level	
		Industrial Area		Day Time (6.0 am to 10.0 pm)	Night Time (10.0 pm to 6.0 am)
		Day Time	Night Time		
1. Surrounding Village	dB(A)	75	70	63.9	51.8
2. Township	dB(A)	75	70	58.8	50.2
3. Coal Handling Plant	dB(A)	75	70	57.8	48.6
4. Service Building	dB(A)	75	70	58.8	51.9
5. Near Office Building	dB(A)	75	70	52.0	44.5
6. Plant Gate	dB(A)	75	70	52.9	45.1

Vishal Sharma

Reviewed by :
Vishal Sharma (DQM)

Abhishek Kumar

Authorized Signatory :
Abhishek Kumar, Sec. I/c (Air Proximate)



Shreyasee Prasad

Quality Manager :
Dr. (Mrs.) Shreyasee Prasad

----- END OF REPORT -----

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