



HDD-272, PHASE III- NEAR JP CHOWK,
RING ROAD NO -2, KABIR NAGAR, RAIPUR, C.G. -492099
PH - 0771- 4027777 | email - ultimatenviro@gmail.com

Name & Address Of The Customer		REPORT NO	UES/TR/19-20/010091	
TO, HINDALCO INDUSTRIES LIMITED, GARE PALMA - IV/5, MILUPARA U/G COAL MINE,VILLAGE - MILUPARA, BLOCK-TAMNAR, DISTT. - RAIGARH (C.G.) 496107		LAB REF NO	UES/19-20/AAQM/10091	
		DATE OF SAMPLING	17/10/2019	
		DATE OF RECEIPT	18/10/2019	
		DATE OF REPORT	30/10/2019	
		DATE OF ANALYSIS	START: 21/10/2019	END: 23/10/2019
SAMPLE DETAILS				
MONITORING FOR	AMBIENT AIR QUALITY MONITORING	CUSTOMER REF. NO. & DATE	M/PO/SRV/1920/0065, DTD. 06.08.2019	
SAMPLING LOCATION	MAIN OFFICE AREA, MILUPARA			
DURATION OF SAMPLING	24 HOURS	SAMPLE COLLECTED BY	LABORATORY CHEMIST	
SAMPLING PROCEDURE	AS PER METHOD REFERENCE			
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM10): 1X1 NO., FILTER PAPER (PM2.5): 1X1 NO. SO2: 30MLX1 NO. PVC BOTTLE, NO2: 30MLX1 NO. PVC BOTTLE RUBBER BLADDER: 1X1 NO.			

TEST REPORT

SR. NO.	PARAMETER	UNIT	RESULT	NAAQM STANDARD	METHOD REFERENCE
1	Particulate Matter size less than 10 microns (PM ₁₀)	µg/m ³	46	100	IS 5182 (Part 23): 2006 & CPCB Guidelines Vol.-I
2	Particulate Matter size less than 2.5 microns (PM _{2.5})	µg/m ³	20	60	Instrument Manufacturer Operating Instructions.
3	Sulphur Dioxide (SO ₂)	µg/m ³	16	80	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines Vol.-I
4	Nitrogen Dioxide (NO ₂)	µg/m ³	21	80	IS 5182 (Part 6): 2006 & CPCB Guidelines Vol.-I
5	Carbon Monoxide (CO) *	mg/m ³	0.9	4.0	IS 5182(Part 10):1999, RA 2003

Note: * Duration of sampling for CO - 1 Hour

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

- > The report for publication, arbitration or as legal dispute is forbidden.
- > Test sample will be retained for 07 days after issue of test report unless otherwise agreed with customer.
- > This is for information as the party has asked for above test(s) only.

PREPARED BY

Chandray
30/10/19



For ULTIMATE ENVIROLYTICAL SOLUTIONS

AUTHORIZED SIGNATORY

Chandray
30/10/19

End of the test report.....



HDD-272, PHASE III- NEAR JP CHOWK,
RING ROAD NO -2, KABIR NAGAR, RAIPUR, C.G. -492099
PH - 0771- 4027777 | email - ultimatenviro@gmail.com

Name & Address Of The Customer		REPORT NO	UES/TR/19-20/010743	
TO, HINDALCO INDUSTRIES LIMITED, GARE PALMA - IV/5, MILUPARA U/G COAL MINE,VILLAGE - MILUPARA, BLOCK-TAMNAR, DISTT. - RAIGARH (C.G.) 496107		LAB REF NO	UES/19-20/AAQM/10743	
		DATE OF SAMPLING	05/11/2019 to 27/11/2019	
		DATE OF RECEIPT	06/11/2019 to 28/11/2019	
		DATE OF REPORT	02/12/2019	
		DATE OF ANALYSIS	START: 06/11/2019	END: 02/12/2019
		SAMPLE DETAILS		
MONITORING FOR	AMBIENT AIR QUALITY MONITORING	CUSTOMER REF. NO. & DATE	M/PO/SRV/1920/0065, DTD. 06.08.2019	
SAMPLING LOCATION	MAIN OFFICE AREA, MILUPARA			
DURATION OF SAMPLING	24 HOURS	SAMPLE COLLECTED BY	LABORATORY CHEMIST	
SAMPLING PROCEDURE	AS PER METHOD REFERENCE			
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM10): 1X1 NO., FILTER PAPER (PM2.5): 1X1 NO. SO2: 30MLX1 NO. PVC BOTTLE, NO2: 30MLX1 NO. PVC BOTTLE RUBBER BLADDER: 1X1 NO.			

Test Method and NAAQM Standard for Ambient Air Quality Monitoring

Parameter	Method Reference	NAAQM Standard
Particulate Matter size less than 10 microns (PM ₁₀)	IS 5182 (Part 23): 2006 & CPCB Guidelines Vol.-I	100
Particulate Matter size less than 2.5 microns (PM _{2.5})	CPCB Guidelines Vol.-I	60
Sulphur Dioxide (SO ₂)	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines Vol.-I	80
Nitrogen Dioxide (NO ₂)	IS 5182 (Part 6): 2006 & CPCB Guidelines Vol.-I	80
Carbon Monoxide (CO)*	IS 5182(Part 10):1999, RA 2003	4.0
Mercury (Hg)	EPA Method IO-5	--

TEST REPORT

Date of Sampling	PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO* mg/m ³	Hg ng/m ³
05.11.2019	52	22	10	21	1.6	N.D.
09.11.2019	48	24	16	28	1.4	N.D.
12.11.2019	50	20	13	24	1.0	N.D.
15.11.2019	58	25	10	32	1.8	N.D.
19.11.2019	52	21	09	21	0.8	N.D.
23.11.2019	54	28	12	29	1.1	N.D.
26.11.2019	56	23	06	25	1.2	N.D.
27.11.2019	57	26	13	27	1.0	N.D.

Remarks: * Duration of sampling for CO - 1 Hour, N.D. - Not Detected

Terms & conditions

- The report for publication, arbitration or as legal dispute is forbidden.
- Test sample will be retained for 07 days after issue of test report unless otherwise agreed with customer.
- This is for information as the party has asked for above test.

PREPARED BY *Pramod Singh*
02/12/19



For **ULTIMATE ENVIROLYTICAL SOLUTIONS**

(Signature)
02/12/19
AUTHORIZED SIGNATORY

-----End of the test report-----



HDD-272, PHASE III- NEAR JP CHOWK,
RING ROAD NO -2, KABIR NAGAR, RAIPUR, C.G. -492099
PH - 0771- 4027777 / email - ultimatenviro@gmail.com

Name & Address Of The Customer

TO,
HINDALCO INDUSTRIES LIMITED, GARE
PALMA - IV/5, MILUPARA U/G COAL
MINE,VILLAGE - MILUPARA,
BLOCK-TAMNAR,
DISTT. - RAIGARH (C.G.) 496107

REPORT NO	UES/TR/19-20/012020	
LAB REF NO	UES/19-20/AAQM/12020	
DATE OF SAMPLING	03/12/2019 to 27/12/2019	
DATE OF RECEIPT	04/12/2019 to 28/12/2019	
DATE OF REPORT	31/12/2019	
DATE OF ANALYSIS	START: 05/12/2019	END: 30/12/2019

SAMPLE DETAILS

MONITORING FOR	AMBIENT AIR QUALITY MONITORING	CUSTOMER REF. NO. & DATE	M/PO/SRV/1920/0065, DTD. 06.08.2019
SAMPLING LOCATION	MAIN OFFICE AREA, MILUPARA		
DURATION OF SAMPLING	24 HOURS	SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	AS PER METHOD REFERENCE		
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM10): 1X1 NO., FILTER PAPER (PM2.5): 1X1 NO. SO2: 30MLX1 NO. PVC BOTTLE, NO2: 30MLX1 NO. PVC BOTTLE RUBBER BLADDER: 1X1 NO.		

Test Method and NAAQM Standard for Ambient Air Quality Monitoring

Parameter	Method Reference	NAAQM Standard
Particulate Matter size less than 10 microns (PM ₁₀)	IS 5182 (Part 23): 2006 & CPCB Guidelines Vol.-I	100
Particulate Matter size less than 2.5 microns (PM _{2.5})	CPCB Guidelines Vol.-I	60
Sulphur Dioxide (SO ₂)	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines Vol.-I	80
Nitrogen Dioxide (NO ₂)	IS 5182 (Part 6): 2006 & CPCB Guidelines Vol.-I	80
Carbon Monoxide (CO)*	IS 5182 (Part 10): 1999, RA 2003	4.0
Mercury (Hg)	EPA Method IO-5	--

TEST REPORT

Date of Sampling	PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO* mg/m ³	Hg ng/m ³
03.12.2019	50	24	13	26	1.4	N.D.
06.12.2019	56	22	10	21	1.2	N.D.
10.12.2019	48	26	16	22	1.0	N.D.
13.12.2019	52	21	08	30	1.7	N.D.
17.12.2019	54	25	06	26	0.6	N.D.
20.12.2019	58	23	11	21	1.0	N.D.
24.12.2019	50	28	09	28	1.6	N.D.
27.12.2019	52	24	12	24	1.1	N.D.

Remarks: * Duration of sampling for CO - 1 Hour, N.D. - Not Detected

Terms & conditions

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- This is for information as the party has asked for above test.

Pranabjyoti
31/12/19
PREPARED BY



For ULTIMATE ENVIROLYTICAL SOLUTIONS

Pranabjyoti
31/12/19
AUTHORIZED SIGNATORY

-----End of the test report-----



HDD-272, PHASE III- NEAR JP CHOWK,
RING ROAD NO -2, KABIR NAGAR, RAIPUR, C.G. -492099
PH - 0771- 4027777 | email - ultimatenviro@gmail.com

Name & Address Of The Customer

TO,
HINDALCO INDUSTRIES LIMITED, GARE
PALMA - IV/5, MILUPARA U/G COAL
MINE,VILLAGE - MILUPARA,
BLOCK-TAMNAR,
DISTT. - RAIGARH (C.G.) 496107

REPORT NO	UES/TR/19-20/015047	
LAB REF NO	UES/19-20/AAQM/15047	
DATE OF SAMPLING	03/01/2020 to 28/01/2020	
DATE OF RECEIPT	04/01/2020 to 29/01/2020	
DATE OF REPORT	01/02/2020	
DATE OF ANALYSIS	START: 04/01/2020	END: 31/01/2020

SAMPLE DETAILS

MONITORING FOR	AMBIENT AIR QUALITY MONITORING	CUSTOMER REF. NO. & DATE	M/PO/SRV/1920/0065, DTD. 06.08.2019
SAMPLING LOCATION	MAIN OFFICE AREA, MILUPARA		
DURATION OF SAMPLING	24 HOURS	SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	AS PER METHOD REFERENCE		
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM10): 1X1 NO., FILTER PAPER (PM2.5): 1X1 NO. SO2: 30MLX1 NO. PVC BOTTLE, NO2: 30MLX1 NO. PVC BOTTLE RUBBER BLADDER: 1X1 NO.		

Test Method and NAAQM Standard for Ambient Air Quality Monitoring

Parameter	Method Reference	NAAQM Standard
Particulate Matter size less than 10 microns (PM ₁₀)	IS 5182 (Part 23): 2006 & CPCB Guidelines Vol.-I	100
Particulate Matter size less than 2.5 microns (PM _{2.5})	CPCB Guidelines Vol.-I	60
Sulphur Dioxide (SO ₂)	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines Vol.-I	80
Nitrogen Dioxide (NO ₂)	IS 5182 (Part 6): 2006 & CPCB Guidelines Vol.-I	80
Carbon Monoxide (CO)*	IS 5182 (Part 10): 1999, RA 2003	4.0
Mercury (Hg)	EPA Method IO-5	--

TEST REPORT

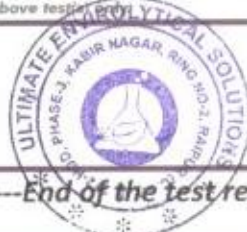
Date of Sampling	PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO* mg/m ³	Hg ng/m ³
03.01.2020	58	26	12	26	1.2	N.D.
07.01.2020	52	20	09	24	1.6	N.D.
10.01.2020	56	24	11	20	1.1	N.D.
14.01.2020	50	28	13	32	1.4	N.D.
17.01.2020	54	21	08	28	0.8	N.D.
21.01.2020	62	26	16	22	1.4	N.D.
24.01.2020	48	22	08	26	1.8	N.D.
28.01.2020	52	20	14	20	1.0	N.D.

Remarks: * Duration of sampling for CO - 1 Hour, N.D. - Not Detected

Terms & conditions

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- This is for information as the party has asked for above test report.

Pramod Kumar
7/01/2020
PREPARED BY



For ULTIMATE ENVIROLYTICAL SOLUTIONS

Pramod Kumar
01/02/2020
AUTHORIZED SIGNATORY

End of the test report



HDD-272, PHASE III- NEAR JP CHOWK.

RING ROAD NO -2, KABIR NAGAR, RAIPUR, C.G. -492099

PH - 0771-4027777 | email - ultimatenviro@gmail.com

Name & Address Of The Customer		REPORT NO	UES/TR/19-20/015438	
TO, HINDALCO INDUSTRIES LIMITED, GARE PALMA - IV/5, MILUPARA U/G COAL MINE,VILLAGE - MILUPARA, BLOCK-TAMNAR, DISTT. - RAIGARH (C.G.) 496107		LAB REF NO	UES/19-20/AAQM/15438	
		DATE OF SAMPLING	04/02/2020 to 27/02/2020	
		DATE OF RECEIPT	05/02/2020 to 28/02/2020	
		DATE OF REPORT	03/03/2020	
		DATE OF ANALYSIS	START: 05/02/2020	END: 03/03/2020
SAMPLE DETAILS				
MONITORING FOR	AMBIENT AIR QUALITY MONITORING	CUSTOMER REF. NO. & DATE	M/PO/SRV/1920/0065, DTD. 06.08.2019	
SAMPLING LOCATION	MAIN OFFICE AREA, MILUPARA			
DURATION OF SAMPLING	24 HOURS	SAMPLE COLLECTED BY	LABORATORY CHEMIST	
SAMPLING PROCEDURE	AS PER METHOD REFERENCE			
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM10): 1X1 NO., FILTER PAPER (PM2.5): 1X1 NO. SO2: 30MLX1 NO. PVC BOTTLE, NO2: 30MLX1 NO. PVC BOTTLE RUBBER BLADDER: 1X1 NO.			

Test Method and NAAQM Standard for Ambient Air Quality Monitoring

Parameter	Method Reference	NAAQM Standard
Particulate Matter size less than 10 microns (PM ₁₀)	IS 5182 (Part 23): 2006 & CPCB Guidelines Vol.-I	100
Particulate Matter size less than 2.5 microns (PM _{2.5})	CPCB Guidelines Vol.-I	60
Sulphur Dioxide (SO ₂)	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines Vol.-I	80
Nitrogen Dioxide (NO ₂)	IS 5182 (Part 6): 2006 & CPCB Guidelines Vol.-I	80
Carbon Monoxide (CO)*	IS 5182(Part 10):1999, RA 2003	4.0
Mercury (Hg)	EPA Method IO-5	--

TEST REPORT

Date of Sampling	PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO* mg/m ³	Hg ng/m ³
04.02.2020	58	24	08	28	1.2	N.D.
06.02.2020	50	28	12	22	1.8	N.D.
11.02.2020	52	22	10	26	1.6	N.D.
13.02.2020	54	26	16	30	1.2	N.D.
18.02.2020	58	20	08	24	0.8	N.D.
20.02.2020	50	24	14	22	1.4	N.D.
25.02.2020	56	28	08	28	2.1	N.D.
27.02.2020	48	22	11	20	1.2	N.D.

Remarks: * Duration of sampling for CO - 1 Hour, N.D. - Not Detected

Terms & conditions

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- This is for information as the party has asked for above test(s)

 PREPARED BY 03/03/2020		For ULTIMATE ENVIROLYTICAL SOLUTIONS AUTHORIZED SIGNATORY 03/03/2020
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End of the Test report.....



HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 | Email : ultimatenviro@gmail.com

Name & Address Of The Customer		REPORT NO.	UES/TR/19-20/015775	
TO, HINDALCO INDUSTRIES LIMITED, GARE PALMA - IV/5, MILUPARA U/G COAL MINE, VILLAGE - MILUPARA, BLOCK-TAMNAR, DISTT. - RAIGARH (C.G.) 496107		LAB REF NO.	UES/19-20/AAQM/15775	
		DATE OF SAMPLING	03/03/2020 to 19/03/2020	
		DATE OF RECEIPT	04/03/2020 to 20/03/2020	
		DATE OF REPORT	21/03/2020	
		DATE OF ANALYSIS	START: 04/03/2020	END: 21/03/2020
		SAMPLE DETAILS		
MONITORING FOR	AMBIENT AIR QUALITY MONITORING	CUSTOMER REF. NO. & DATE	N/PO/SRV/1920/0082, DTD.: 06.08.2019	
SAMPLING LOCATION	MAIN OFFICE AREA, MILUPARA			
DURATION OF SAMPLING	24 HOURS	SAMPLE COLLECTED BY	LABORATORY CHEMIST	
SAMPLING PROCEDURE	AS PER METHOD REFERENCE			
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM10): 1X1 NO., FILTER PAPER (PM2.5): 1X1 NO. SO2: 30MLX1 NO. PVC BOTTLE, NO2: 30MLX1 NO. PVC BOTTLE RUBBER BLADDER: 1X1 NO.			

Test Method and NAAQM Standard for Ambient Air Quality Monitoring

Parameter	Method Reference	NAAQM Standard
Particulate Matter size less than 10 microns (PM ₁₀)	IS 5182 (Part 23): 2006 & CPCB Guidelines Vol.-I	100
Particulate Matter size less than 2.5 microns (PM _{2.5})	CPCB Guidelines Vol.-I	60
Sulphur Dioxide (SO ₂)	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines Vol.-I	80
Nitrogen Dioxide (NO ₂)	IS 5182 (Part 6): 2006 & CPCB Guidelines Vol.-I	80
Carbon Monoxide (CO)*	IS 5182 (Part 10): 1999, RA 2003	4.0
Mercury (Hg)	EPA Method IO-5	--

TEST REPORT

Date of Sampling	PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO* mg/m ³	Hg ng/m ³
03.03.2020	60	26	10	23	1.0	N.D.
06.03.2020	55	30	13	24	1.4	N.D.
10.03.2020	58	28	11	21	1.3	N.D.
13.03.2020	56	27	18	26	1.6	N.D.
17.03.2020	59	25	12	25	1.1	N.D.
19.03.2020	53	22	15	22	1.2	N.D.

Remarks: * Duration of sampling for CO - 1 Hour, N.D. - Not Detected

Terms & conditions

- The report for publication, arbitration or as legal dispute is forbidden.
- Test sample will be retained for 07 days after issue of test report unless otherwise agreed with customer.
- This is for information as the party has asked for above test.

Chandel
PREPARED BY



For **ULTIMATE ENVIROLYTICAL SOLUTIONS**

Chandel
AUTHORIZED SIGNATORY

-----End of the test report-----



HDD-272, PHASE III- NEAR JP CHOWK,
RING ROAD NO -2, KABIR NAGAR, RAIPUR, C.G. -492099
PH - 0771- 4027777 | email - ultimatenviro@gmail.com

Name & Address Of The Customer

TO,
HINDALCO INDUSTRIES LIMITED,
GARE PALMA - IV/5, MILUPARA U/G
COAL MINE,VILLAGE - MILUPARA,
BLOCK-TAMNAR,
DISTT. - RAIGARH (C.G.) 496107

REPORT NO	UES/TR/19-20/010092	
LAB REF NO	UES/19-20/AAQM/10092	
DATE OF SAMPLING	17/10/2019	
DATE OF RECEIPT	18/10/2019	
DATE OF REPORT	30/10/2019	
DATE OF ANALYSIS	START: 21/10/2019	END: 23/10/2019

SAMPLE DETAILS

MONITORING FOR	AMBIENT AIR QUALITY MONITORING	CUSTOMER REF. NO. & DATE	M/PO/SRV/1920/0065, DTD. 06.08.2019
SAMPLING LOCATION	STAFF QUARTER, MILUPARA		
DURATION OF SAMPLING	24 HOURS	SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	AS PER METHOD REFERENCE		
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM ₁₀): 1X1 NO., FILTER PAPER (PM _{2.5}): 1X1 NO. SO ₂ : 30MLX1 NO. PVC BOTTLE, NO ₂ : 30MLX1 NO. PVC BOTTLE RUBBER BLADDER: 1X1 NO.		

TEST REPORT

SR. NO.	PARAMETER	UNIT	RESULT	NAAQM STANDARD	METHOD REFERENCE
1	Particulate Matter size less than 10 microns (PM ₁₀)	µg/m ³	40	100	IS 5182 (Part 23): 2006 & CPCB Guidelines Vol.-I
2	Particulate Matter size less than 2.5 microns (PM _{2.5})	µg/m ³	18	60	Instrument Manufacturer Operating Instructions.
3	Sulphur Dioxide (SO ₂)	µg/m ³	11	80	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines Vol.-I
4	Nitrogen Dioxide (NO ₂)	µg/m ³	14	80	IS 5182 (Part 6): 2006 & CPCB Guidelines Vol.-I
5	Carbon Monoxide (CO) *	mg/m ³	0.5	4.0	IS 5182 (Part 10): 1999, RA 2003

Note: * Duration of sampling for CO - 1 Hour

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

- > The report for publication, arbitration or as legal dispute is forbidden.
- > Test sample will be retained for 07 days after issue of test report unless otherwise agreed with customer.
- > This is for information as the party has asked for above test(s) only.

Handwritten Signature
PREPARED BY
30/10/19



For ULTIMATE ENVIROLYTICAL SOLUTIONS

Handwritten Signature
AUTHORIZED SIGNATORY
30/10/19

End of the test report.....



HDD-272, PHASE III- NEAR JP CHOWK,
RING ROAD NO -2, KABIR NAGAR, RAIPUR. C.G. -492099
PH - 0771- 4027777 | email - ultimatenviro@gmail.com

Name & Address Of The Customer

TO,
HINDALCO INDUSTRIES LIMITED, GARE
PALMA - IV/5, MILUPARA U/G COAL
MINE,VILLAGE - MILUPARA,
BLOCK-TAMNAR,
DISTT. - RAIGARH (C.G.) 496107

REPORT NO	UES/TR/19-20/010744	
LAB REF NO	UES/19-20/AAQM/10744	
DATE OF SAMPLING	05/11/2019 to 27/11/2019	
DATE OF RECEIPT	06/11/2019 to 28/11/2019	
DATE OF REPORT	02/12/2019	
DATE OF ANALYSIS	START: 06/11/2019	END: 02/12/2019

SAMPLE DETAILS

MONITORING FOR	AMBIENT AIR QUALITY MONITORING	CUSTOMER REF. NO. & DATE	M/PO/SRV/1920/0065, DTD. 06.08.2019
SAMPLING LOCATION	STAFF QUARTER, MILUPARA		
DURATION OF SAMPLING	24 HOURS	SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	AS PER METHOD REFERENCE		
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM ₁₀): 1X1 NO., FILTER PAPER (PM _{2.5}): 1X1 NO. SO ₂ : 30MLX1 NO. PVC BOTTLE, NO ₂ : 30MLX1 NO. PVC BOTTLE RUBBER BLADDER: 1X1 NO.		

Test Method and NAAQM Standard for Ambient Air Quality Monitoring

Parameter	Method Reference	NAAQM Standard
Particulate Matter size less than 10 microns (PM ₁₀)	IS 5182 (Part 23): 2006 & CPCB Guidelines Vol.-I	100
Particulate Matter size less than 2.5 microns (PM _{2.5})	CPCB Guidelines Vol.-I	60
Sulphur Dioxide (SO ₂)	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines Vol.-I	80
Nitrogen Dioxide (NO ₂)	IS 5182 (Part 6): 2006 & CPCB Guidelines Vol.-I	80
Carbon Monoxide (CO)*	IS 5182(Part 10):1999, RA 2003	4.0
Mercury (Hg)	EPA Method IO-5	--

TEST REPORT

Date of Sampling	PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO* mg/m ³	Hg ng/m ³
05.11.2019	58	27	10	24	0.8	N.D.
09.11.2019	56	26	13	20	0.6	N.D.
12.11.2019	54	28	12	22	1.0	N.D.
15.11.2019	58	21	14	36	1.8	N.D.
19.11.2019	62	25	10	32	0.8	N.D.
23.11.2019	56	22	16	29	1.4	N.D.
26.11.2019	60	30	06	22	1.2	N.D.
27.11.2019	63	23	11	26	1.1	N.D.

Remarks: * Duration of sampling for CO - 1 Hour, N.D. - Not Detected

Terms & conditions

- The report for publication, arbitration or as legal dispute is forbidden.
- Test sample will be retained for 07 days after issue of test report unless otherwise agreed with customer.
- This is for information as the party has asked for above.

PREPARED BY *Randani*
02/12/19



For **ULTIMATE ENVIROLYTICAL SOLUTIONS**
Teekambekar
02/12/19
AUTHORIZED SIGNATORY

-----End of the test report-----



HDD-272, PHASE III- NEAR JP CHOWK,
RING ROAD NO -2, KABIR NAGAR, RAIPUR, C.G. -492099
PH - 0771- 4027777 | email - ultimatenviro@gmail.com

Name & Address Of The Customer		REPORT NO	UES/TR/19-20/012021	
TO, HINDALCO INDUSTRIES LIMITED, GARE PALMA - IV/5, MILUPARA U/G COAL MINE,VILLAGE - MILUPARA, BLOCK-TAMNAR, DISTT. - RAIGARH (C.G.) 496107		LAB REF NO	UES/19-20/AAQM/12021	
		DATE OF SAMPLING	03/12/2019 to 27/12/2019	
		DATE OF RECEIPT	04/12/2019 to 28/12/2019	
		DATE OF REPORT	31/12/2019	
		DATE OF ANALYSIS	START: 05/12/2019	END: 30/12/2019
		SAMPLE DETAILS		
MONITORING FOR	AMBIENT AIR QUALITY MONITORING	CUSTOMER REF. NO. & DATE	M/PO/SRV/1920/0065, DTD. 06.08.2019	
SAMPLING LOCATION	STAFF QUARTER, MILUPARA			
DURATION OF SAMPLING	24 HOURS	SAMPLE COLLECTED BY	LABORATORY CHEMIST	
SAMPLING PROCEDURE	AS PER METHOD REFERENCE			
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM ₁₀): 1X1 NO., FILTER PAPER (PM _{2.5}): 1X1 NO. SO ₂ : 30MLX1 NO. PVC BOTTLE, NO ₂ : 30MLX1 NO. PVC BOTTLE RUBBER BLADDER: 1X1 NO.			

Test Method and NAAQM Standard for Ambient Air Quality Monitoring

Parameter	Method Reference	NAAQM Standard
Particulate Matter size less than 10 microns (PM ₁₀)	IS 5182 (Part 23): 2006 & CPCB Guidelines Vol.-I	100
Particulate Matter size less than 2.5 microns (PM _{2.5})	CPCB Guidelines Vol.-I	60
Sulphur Dioxide (SO ₂)	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines Vol.-I	80
Nitrogen Dioxide (NO ₂)	IS 5182 (Part 6): 2006 & CPCB Guidelines Vol.-I	80
Carbon Monoxide (CO)*	IS 5182 (Part 10):1999, RA 2003	4.0
Mercury (Hg)	EPA Method 10-5	--

TEST REPORT

Date of Sampling	PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO* mg/m ³	Hg ng/m ³
03.12.2019	54	27	09	21	0.6	N.D.
06.12.2019	52	26	18	24	0.8	N.D.
10.12.2019	58	28	11	26	1.4	N.D.
13.12.2019	50	21	16	32	1.1	N.D.
17.12.2019	62	25	12	30	0.6	N.D.
20.12.2019	54	22	13	25	1.6	N.D.
24.12.2019	63	30	08	22	1.3	N.D.
27.12.2019	60	23	10	20	1.0	N.D.

Remarks: * Duration of sampling for CO - 1 Hour, N.D. - Not Detected

Terms & conditions

- The report for publication, arbitration or as legal dispute is forbidden.
- Test sample will be retained for 07 days after issue of test report unless otherwise agreed with customer.
- This is for information as the party has asked for above.

PREPARED BY
Pranjal
31/12/19



For **ULTIMATE ENVIROLYTICAL SOLUTIONS**
Pranjal
31/12/19
AUTHORIZED SIGNATORY

End of the test report.....



HDD-272, PHASE III- NEAR JP CHOWK.

RING ROAD NO -2, KABIR NAGAR, RAIPUR, C.G. -492099

PH - 0771- 4027777 | email - ultimatenviro@gmail.com

Name & Address Of The Customer

TO,
HINDALCO INDUSTRIES LIMITED, GARE
PALMA - IV/5, MILUPARA U/G COAL
MINE,VILLAGE - MILUPARA, BLOCK-
TAMNAR,
DISTT. - RAIGARH (C.G.) 496107

REPORT NO	UES/TR/19-20/15048	
LAB REF NO	UES/19-20/AAQM/15048	
DATE OF SAMPLING	03/01/2020 to 28/01/2020	
DATE OF RECEIPT	04/01/2020 to 29/01/2020	
DATE OF REPORT	01/02/2020	
DATE OF ANALYSIS	START: 04/01/2020	END: 31/01/2020

SAMPLE DETAILS

MONITORING FOR	AMBIENT AIR QUALITY MONITORING	CUSTOMER REF. NO. & DATE	M/PO/SRV/1920/0065, DTD. 06.08.2019
SAMPLING LOCATION	STAFF QUARTER, MILUPARA		
DURATION OF SAMPLING	24 HOURS	SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	AS PER METHOD REFERENCE		
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM ₁₀): 1X1 NO., FILTER PAPER (PM _{2.5}): 1X1 NO. SO ₂ : 30MLX1 NO. PVC BOTTLE, NO ₂ : 30MLX1 NO. PVC BOTTLE RUBBER BLADDER: 1X1 NO.		

Test Method and NAAQM Standard for Ambient Air Quality Monitoring

Parameter	Method Reference	NAAQM Standard
Particulate Matter size less than 10 microns (PM ₁₀)	IS 5182 (Part 23): 2006 & CPCB Guidelines Vol.-I	100
Particulate Matter size less than 2.5 microns (PM _{2.5})	CPCB Guidelines Vol.-I	60
Sulphur Dioxide (SO ₂)	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines Vol.-I	80
Nitrogen Dioxide (NO ₂)	IS 5182 (Part 6): 2006 & CPCB Guidelines Vol.-I	80
Carbon Monoxide (CO)*	IS 5182 (Part 10): 1999, RA 2003	4.0
Mercury (Hg)	EPA Method IO-5	--

TEST REPORT

Date of Sampling	PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO* mg/m ³	Hg ng/m ³
03.01.2020	56	22	08	26	1.0	N.D.
07.01.2020	50	28	14	28	1.6	N.D.
10.01.2020	48	26	16	22	1.2	N.D.
14.01.2020	56	20	12	34	1.0	N.D.
17.01.2020	64	26	10	30	0.8	N.D.
21.01.2020	58	24	18	28	1.8	N.D.
24.01.2020	62	32	09	21	1.4	N.D.
28.01.2020	68	28	11	26	1.2	N.D.

Remarks: * Duration of sampling for CO - 1 Hour, N.D. - Not Detected

Terms & conditions

- The report for publication, arbitration or as legal dispute is forbidden.
- Test sample will be retained for 07 days after issue of test report unless otherwise agreed with customer.
- This is for information as the party has asked for above test.

Chemist
 PREPARED BY
 01/02/2020



For ULTIMATE ENVIROLYTICAL SOLUTIONS

Chemist
 AUTHORIZED SIGNATORY
 01/02/2020

End of the test report



HDD-272, PHASE III- NEAR JP CHOWK,
RING ROAD NO -2, KABIR NAGAR, RAIPUR, C.G. -492099
PH - 0771- 4027777 | email - ultimatenviro@gmail.com

Name & Address Of The Customer

TO,
HINDALCO INDUSTRIES LIMITED, GARE
PALMA - IV/5, MILUPARA U/G COAL
MINE,VILLAGE - MILUPARA, BLOCK-
TAMNAR,
DISTT. - RAIGARH (C.G.) 496107

REPORT NO	UES/TR/19-20/015439	
LAB REF NO	UES/19-20/AAQM/15439	
DATE OF SAMPLING	04/02/2020 to 27/02/2020	
DATE OF RECEIPT	05/02/2020 to 28/02/2020	
DATE OF REPORT	03/03/2020	
DATE OF ANALYSIS	START: 05/02/2020	END: 03/03/2019

SAMPLE DETAILS

MONITORING FOR	AMBIENT AIR QUALITY MONITORING	CUSTOMER REF. NO. & DATE	M/PO/SRV/1920/0065, DTD. 06.08.2019
SAMPLING LOCATION	STAFF QUARTER, MILUPARA		
DURATION OF SAMPLING	24 HOURS	SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	AS PER METHOD REFERENCE		
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM ₁₀): 1X1 NO., FILTER PAPER (PM _{2.5}): 1X1 NO. SO ₂ : 30MLX1 NO. PVC BOTTLE, NO ₂ : 30MLX1 NO. PVC BOTTLE RUBBER BLADDER: 1X1 NO.		

Test Method and NAAQM Standard for Ambient Air Quality Monitoring

Parameter	Method Reference	NAAQM Standard
Particulate Matter size less than 10 microns (PM ₁₀)	IS 5182 (Part 23): 2006 & CPCB Guidelines Vol.-I	100
Particulate Matter size less than 2.5 microns (PM _{2.5})	CPCB Guidelines Vol.-I	60
Sulphur Dioxide (SO ₂)	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines Vol.-I	80
Nitrogen Dioxide (NO ₂)	IS 5182 (Part 6): 2006 & CPCB Guidelines Vol.-I	80
Carbon Monoxide (CO)*	IS 5182(Part 10):1999, RA 2003	4.0
Mercury (Hg)	EPA Method IO-5	--

TEST REPORT

Date of Sampling	PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO* mg/m ³	Hg ng/m ³
04.02.2020	52	22	16	28	0.7	N.D.
06.02.2020	58	28	12	24	0.9	N.D.
11.02.2020	50	20	10	20	1.4	N.D.
13.02.2020	48	26	18	32	1.2	N.D.
18.02.2020	64	24	12	30	0.9	N.D.
20.02.2020	58	22	11	27	1.8	N.D.
25.02.2020	62	32	09	26	1.6	N.D.
27.02.2020	68	24	13	24	1.3	N.D.

Remarks: * Duration of sampling for CO - 1 Hour, N.D. - Not Detected

Terms & conditions

- The report for publication, arbitration or as legal dispute is forbidden.
- Test sample will be retained for 07 days after issue of test report, after which it will be disposed off as agreed with customer.
- This is for information as the party has asked for above test.

Thakur
03/03/2020
PREPARED BY



For ULTIMATE ENVIROLYTICAL SOLUTIONS

Thakur
03/03/2020
AUTHORIZED SIGNATORY

End of the test report.....



HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 | Email : ultimatenviro@gmail.com

Name & Address Of The Customer

TO,
HINDALCO INDUSTRIES LIMITED, GARE
PALMA - IV/5, MILUPARA U/G COAL
MINE,VILLAGE - MILUPARA, BLOCK-
TAMNAR,
DISTT. - RAIGARH (C.G.) 496107

REPORT NO.	UES/TR/19-20/015776	
LAB REF NO.	UES/19-20/AAQM/15776	
DATE OF SAMPLING	03/03/2020 to 19/03/2020	
DATE OF RECEIPT	04/03/2020 to 20/03/2020	
DATE OF REPORT	21/03/2020	
DATE OF ANALYSIS	START:04/03/2020	END:21/03/2019

SAMPLE DETAILS

MONITORING FOR	AMBIENT AIR QUALITY MONITORING	CUSTOMER REF. NO. & DATE	N/PO/SRV/1920/0082, DTD. : 06.08.2019
SAMPLING LOCATION	STAFF QUARTER, MILUPARA		
DURATION OF SAMPLING	24 HOURS	SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	AS PER METHOD REFERENCE		
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM ₁₀): 1X1 NO., FILTER PAPER (PM _{2.5}): 1X1 NO. SO ₂ : 30MLX1 NO. PVC BOTTLE, NO ₂ : 30MLX1 NO. PVC BOTTLE RUBBER BLADDER: 1X1 NO.		

Test Method and NAAQM Standard for Ambient Air Quality Monitoring

Parameter	Method Reference	NAAQM Standard
Particulate Matter size less than 10 microns (PM ₁₀)	IS 5182 (Part 23): 2006 & CPCB Guidelines Vol.-I	100
Particulate Matter size less than 2.5 microns (PM _{2.5})	CPCB Guidelines Vol.-I	60
Sulphur Dioxide (SO ₂)	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines Vol.-I	80
Nitrogen Dioxide (NO ₂)	IS 5182 (Part 6): 2006 & CPCB Guidelines Vol.-I	80
Carbon Monoxide (CO)*	IS 5182(Part 10):1999, RA 2003	4.0
Mercury (Hg)	EPA Method IO-5	--

TEST REPORT

Date of Sampling	PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO* mg/m ³	Hg ng/m ³
03.03.2020	54	29	14	22	0.9	N.D.
06.03.2020	57	25	13	20	1.0	N.D.
10.03.2020	58	26	11	21	1.1	N.D.
13.03.2020	56	30	16	25	1.3	N.D.
17.03.2020	62	31	12	23	1.0	N.D.
19.03.2020	61	26	16	22	1.2	N.D.

Remarks: * Duration of sampling for CO - 1 Hour, N.D. - Not Detected

Terms & conditions

- The report for publication, arbitration or as legal dispute is forbidden.
- Test sample will be retained for 07 days after issue of test report unless otherwise agreed with customer.
- This is for information as the party has asked for above.

PREPARED BY



For ULTIMATE ENVIROLYTICAL SOLUTIONS

AUTHORIZED SIGNATORY

-----End of the test report-----



HDD-272, PHASE III- NEAR JP CHOWK,
RING ROAD NO -2, KABIR NAGAR, RAIPUR. C.G. -492099
PH - 0771- 4027777 | email - ultimatenviro@gmail.com

Name & Address Of The Customer

TO,
HINDALCO INDUSTRIES LIMITED,
GARE PALMA - IV/5, MILUPARA U/G
COAL MINE,VILLAGE - MILUPARA,
BLOCK-TAMNAR,
DISTT. - RAIGARH (C.G.) 496107

REPORT NO	UES/TR/19-20/010093	
LAB REF NO	UES/19-20/AAQM/10093	
DATE OF SAMPLING	18/10/2019	
DATE OF RECEIPT	19/10/2019	
DATE OF REPORT	30/10/2019	
DATE OF ANALYSIS	START: 21/10/2019	END: 23/10/2019

SAMPLE DETAILS

MONITORING FOR	AMBIENT AIR QUALITY MONITORING	CUSTOMER REF. NO. & DATE	M/PO/SRV/1920/0065, DTD. 06.08.2019
SAMPLING LOCATION	HIL COLONY, KONDKEL		
DURATION OF SAMPLING	24 HOURS	SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	AS PER METHOD REFERENCE		
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM ₁₀): 1X1 NO., FILTER PAPER (PM _{2.5}): 1X1 NO. SO ₂ : 30MLX1 NO. PVC BOTTLE, NO ₂ : 30MLX1 NO. PVC BOTTLE RUBBER BLADDER: 1X1 NO.		

TEST REPORT

SR. NO.	PARAMETER	UNIT	RESULT	NAAQM STANDARD	METHOD REFERENCE
1	Particulate Matter size less than 10 microns (PM ₁₀)	µg/m ³	58	100	IS 5182 (Part 23): 2006 & CPCB Guidelines Vol.-I
2	Particulate Matter size less than 2.5 microns (PM _{2.5})	µg/m ³	30	60	Instrument Manufacturer Operating Instructions.
3	Sulphur Dioxide (SO ₂)	µg/m ³	19	80	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines Vol.-I
4	Nitrogen Dioxide (NO ₂)	µg/m ³	26	80	IS 5182 (Part 6): 2006 & CPCB Guidelines Vol.-I
5	Carbon Monoxide (CO) *	mg/m ³	1.2	4.0	IS 5182 (Part 10): 1999, RA 2003

Note: * Duration of sampling for CO - 1 Hour

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

- The report for publication, arbitration or as legal dispute is forbidden.
- Test sample will be retained for 07 days after issue of test report unless otherwise agreed with customer.
- This is for information as the party has asked for above test(s) only.

PREPARED BY

Pranab Singh
30/10/19



For ULTIMATE ENVIROLYTICAL SOLUTIONS

AUTHORIZED SIGNATORY

Pranab Singh
30/10/19

End of the test report.....



HDD-272, PHASE III- NEAR JP CHOWK,
RING ROAD NO -2, KABIR NAGAR, RAIPUR, C.G. -492099
PH - 0771- 4027777 | email - ultimatenviro@gmail.com

Name & Address Of The Customer TO, HINDALCO INDUSTRIES LIMITED, GARE PALMA - IV/5, MILUPARA U/G COAL MINE,VILLAGE - MILUPARA, BLOCK-TAMNAR, DISTT. - RAIGARH (C.G.) 496107	REPORT NO	UES/TR/19-20/010745	
	LAB REF NO	UES/19-20/AAQM/10745	
	DATE OF SAMPLING	05/11/2019 to 27/11/2019	
	DATE OF RECEIPT	06/11/2019 to 28/11/2019	
	DATE OF REPORT	02/12/2019	
	DATE OF ANALYSIS	START:06/11/2019	END:02/12/2019

SAMPLE DETAILS

MONITORING FOR	AMBIENT AIR QUALITY MONITORING	CUSTOMER REF. NO. & DATE	M/PO/SRV/1920/0065, DTD. 06.08.2019
SAMPLING LOCATION	HIL COLONY, KONDKEL		
DURATION OF SAMPLING	24 HOURS	SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	AS PER METHOD REFERENCE		
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM ₁₀): 1X1 NO., FILTER PAPER (PM _{2.5}): 1X1 NO. SO ₂ : 30MLX1 NO. PVC BOTTLE, NO ₂ : 30MLX1 NO. PVC BOTTLE RUBBER BLADDER: 1X1 NO.		

Test Method and NAAQM Standard for Ambient Air Quality Monitoring

Parameter	Method Reference	NAAQM Standard
Particulate Matter size less than 10 microns (PM ₁₀)	IS 5182 (Part 23): 2006 & CPCB Guidelines Vol.-I	100
Particulate Matter size less than 2.5 microns (PM _{2.5})	CPCB Guidelines Vol.-I	60
Sulphur Dioxide (SO ₂)	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines Vol.-I	80
Nitrogen Dioxide (NO ₂)	IS 5182 (Part 6): 2006 & CPCB Guidelines Vol.-I	80
Carbon Monoxide (CO)*	IS 5182(Part 10):1999, RA 2003	4.0
Mercury (Hg)	EPA Method IO-5	--

TEST REPORT

Date of Sampling	PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO* mg/m ³	Hg ng/m ³
05.11.2019	62	25	18	24	1.2	N.D.
09.11.2019	50	21	14	26	1.7	N.D.
12.11.2019	58	26	13	29	1.4	N.D.
15.11.2019	55	28	19	32	1.1	N.D.
19.11.2019	58	29	10	22	0.6	N.D.
23.11.2019	60	24	18	26	1.0	N.D.
26.11.2019	59	22	10	24	1.8	N.D.
27.11.2019	48	27	14	28	1.1	N.D.

Remarks: * Duration of sampling for CO - 1 Hour, N.D. - Not Detected

Terms & conditions

- The report for publication, arbitration or as legal dispute is forbidden.
- Test sample will be retained for 07 days after issue of test report unless otherwise agreed with customer.
- This is for information as the party has asked for above test.

PREPARED BY  02/12/19		For ULTIMATE ENVIROLYTICAL SOLUTIONS  AUTHORIZED SIGNATORY 02/12/19
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-----End of the test report-----



HDD-272, PHASE III- NEAR JP CHOWK,
RING ROAD NO -2, KABIR NAGAR, RAIPUR, C.G. -492099
PH - 0771- 4027777 | email - ultimatenviro@gmail.com

Name & Address Of The Customer

TO,
HINDALCO INDUSTRIES LIMITED, GARE
PALMA - IV/5, MILUPARA U/G COAL
MINE,VILLAGE - MILUPARA, BLOCK-
TAMNAR,
DISTT. - RAIGARH (C.G.) 496107

REPORT NO	UES/TR/19-20/012022	
LAB REF NO	UES/19-20/AAQM/12022	
DATE OF SAMPLING	03/12/2019 to 27/12/2019	
DATE OF RECEIPT	04/12/2019 to 28/12/2019	
DATE OF REPORT	31/12/2019	
DATE OF ANALYSIS	START: 05/12/2019	END: 30/12/2019

SAMPLE DETAILS

MONITORING FOR	AMBIENT AIR QUALITY MONITORING	CUSTOMER REF. NO. & DATE	M/PO/SRV/1920/0065, DTD. 06.08.2019
SAMPLING LOCATION	HIL COLONY, KONDKEL		
DURATION OF SAMPLING	24 HOURS	SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	AS PER METHOD REFERENCE		
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM ₁₀): 1X1 NO., FILTER PAPER (PM _{2.5}): 1X1 NO. SO ₂ : 30MLX1 NO. PVC BOTTLE, NO ₂ : 30MLX1 NO. PVC BOTTLE RUBBER BLADDER: 1X1 NO.		

Test Method and NAAQM Standard for Ambient Air Quality Monitoring

Parameter	Method Reference	NAAQM Standard
Particulate Matter size less than 10 microns (PM ₁₀)	IS 5182 (Part 23): 2006 & CPCB Guidelines Vol.-I	100
Particulate Matter size less than 2.5 microns (PM _{2.5})	CPCB Guidelines Vol.-I	60
Sulphur Dioxide (SO ₂)	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines Vol.-I	80
Nitrogen Dioxide (NO ₂)	IS 5182 (Part 6): 2006 & CPCB Guidelines Vol.-I	80
Carbon Monoxide (CO)*	IS 5182(Part 10):1999, RA 2003	4.0
Mercury (Hg)	EPA Method IO-5	--

TEST REPORT

Date of Sampling	PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO* mg/m ³	Hg ng/m ³
03.12.2019	60	26	11	22	1.0	N.D.
06.12.2019	54	20	13	25	1.8	N.D.
10.12.2019	56	24	10	24	1.2	N.D.
13.12.2019	58	22	09	30	1.0	N.D.
17.12.2019	50	28	06	26	0.8	N.D.
20.12.2019	62	21	13	22	1.3	N.D.
24.12.2019	54	27	11	28	1.6	N.D.
27.12.2019	49	22	18	27	1.9	N.D.

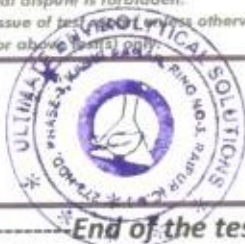
Remarks: * Duration of sampling for CO - 1 Hour, N.D. - Not Detected

Terms & conditions

- The report for publication, arbitration or as legal dispute is forbidden.
- Test sample will be retained for 07 days after issue of test report, unless otherwise agreed with customer.
- This is for information as the party has asked for analysis.

PREPARED BY

Chandani
31/12/19



For ULTIMATE ENVIROLYTICAL SOLUTIONS

Chandani
31/12/19
AUTHORIZED SIGNATORY

End of the test report.....



HDD-272, PHASE III- NEAR JP CHOWK,

RING ROAD NO -2, KABIR NAGAR, RAIPUR, C.G. -492099

PH - 0771- 4027777 | email - ultimatenviro@gmail.com

Name & Address Of The Customer

TO,
HINDALCO INDUSTRIES LIMITED, GARE
PALMA - IV/5, MILUPARA U/G COAL
MINE,VILLAGE - MILUPARA, BLOCK-
TAMNAR,
DISTT. - RAIGARH (C.G.) 496107

REPORT NO	UES/TR/19-20/015049	
LAB REF NO	UES/19-20/AAQM/15049	
DATE OF SAMPLING	03/01/2020 to 28/01/2020	
DATE OF RECEIPT	04/01/2020 to 29/01/2020	
DATE OF REPORT	01/02/2020	
DATE OF ANALYSIS	START: 04/01/2020	END: 31/01/2020

SAMPLE DETAILS

MONITORING FOR	AMBIENT AIR QUALITY MONITORING	CUSTOMER REF. NO. & DATE	M/PO/SRV/1920/0065, DTD. 06.08.2019
SAMPLING LOCATION	HIL COLONY, KONDKEL		
DURATION OF SAMPLING	24 HOURS	SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	AS PER METHOD REFERENCE		
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM ₁₀): 1X1 NO., FILTER PAPER (PM _{2.5}): 1X1 NO. SO ₂ : 30MLX1 NO. PVC BOTTLE, NO ₂ : 30MLX1 NO. PVC BOTTLE RUBBER BLADDER: 1X1 NO.		

Test Method and NAAQM Standard for Ambient Air Quality Monitoring

Parameter	Method Reference	NAAQM Standard
Particulate Matter size less than 10 microns (PM ₁₀)	IS 5182 (Part 23): 2006 & CPCB Guidelines Vol.-I	100
Particulate Matter size less than 2.5 microns (PM _{2.5})	CPCB Guidelines Vol.-I	60
Sulphur Dioxide (SO ₂)	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines Vol.-I	80
Nitrogen Dioxide (NO ₂)	IS 5182 (Part 6): 2006 & CPCB Guidelines Vol.-I	80
Carbon Monoxide (CO)*	IS 5182 (Part 10): 1999, RA 2003	4.0
Mercury (Hg)	EPA Method IO-5	--

TEST REPORT

Date of Sampling	PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO* mg/m ³	Hg ng/m ³
03.01.2020	68	24	10	28	1.1	N.D.
07.01.2020	56	28	16	24	1.2	N.D.
10.01.2020	52	26	18	22	1.8	N.D.
14.01.2020	50	22	08	32	1.3	N.D.
17.01.2020	54	24	04	27	0.9	N.D.
21.01.2020	60	28	18	24	1.4	N.D.
24.01.2020	58	22	14	29	1.8	N.D.
28.01.2020	48	26	18	32	1.1	N.D.

Remarks: * Duration of sampling for CO - 1 Hour, N.D. - Not Detected

Terms & conditions

- The report for publication, arbitration or as legal dispute is forbidden.
- Test sample will be retained for 07 days after issue of test report unless otherwise agreed with customer.
- This is for information as the party has asked for above test.

Chandromay
 01/02/2020
 PREPARED BY



For ULTIMATE ENVIROLYTICAL SOLUTIONS
Chandromay
 01/02/2020
 AUTHORIZED SIGNATORY

-----End of the test report-----



HDD-272, PHASE III- NEAR JP CHOWK,
RING ROAD NO -2, KABIR NAGAR, RAIPUR, C.G. -492099
PH - 0771- 4027777 | email - ultimatenviro@gmail.com

Name & Address Of The Customer TO, HINDALCO INDUSTRIES LIMITED, GARE PALMA - IV/5, MILUPARA U/G COAL MINE,VILLAGE - MILUPARA, BLOCK- TAMNAR, DISTT. - RAIGARH (C.G.) 496107	REPORT NO	UES/TR/19-20/015440	
	LAB REF NO	UES/19-20/AAQM/15440	
	DATE OF SAMPLING	04/02/2020 to 27/02/2020	
	DATE OF RECEIPT	05/02/2020 to 28/02/2020	
	DATE OF REPORT	03/03/2020	
	DATE OF ANALYSIS	START: 05/02/2020	END: 03/03/2019

SAMPLE DETAILS

MONITORING FOR	AMBIENT AIR QUALITY MONITORING	CUSTOMER REF. NO. & DATE	M/PO/SRV/1920/0065, DTD. 06.08.2019
SAMPLING LOCATION	HIL COLONY, KONDKEL		
DURATION OF SAMPLING	24 HOURS	SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	AS PER METHOD REFERENCE		
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM ₁₀): 1X1 NO., FILTER PAPER (PM _{2.5}): 1X1 NO. SO ₂ : 30MLX1 NO. PVC BOTTLE, NO ₂ : 30MLX1 NO. PVC BOTTLE RUBBER BLADDER: 1X1 NO.		

Test Method and NAAQM Standard for Ambient Air Quality Monitoring

Parameter	Method Reference	NAAQM Standard
Particulate Matter size less than 10 microns (PM ₁₀)	IS 5182 (Part 23): 2006 & CPCB Guidelines Vol.-I	100
Particulate Matter size less than 2.5 microns (PM _{2.5})	CPCB Guidelines Vol.-I	60
Sulphur Dioxide (SO ₂)	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines Vol.-I	80
Nitrogen Dioxide (NO ₂)	IS 5182 (Part 6): 2006 & CPCB Guidelines Vol.-I	80
Carbon Monoxide (CO)*	IS 5182(Part 10):1999, RA 2003	4.0
Mercury (Hg)	EPA Method IO-5	--

TEST REPORT

Date of Sampling	PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO* mg/m ³	Hg ng/m ³
04.02.2020	64	28	14	28	1.8	N.D.
06.02.2020	58	22	18	22	1.3	N.D.
11.02.2020	52	25	13	26	1.8	N.D.
13.02.2020	56	21	11	30	1.9	N.D.
18.02.2020	54	26	18	24	0.9	N.D.
20.02.2020	62	20	12	28	1.4	N.D.
25.02.2020	54	28	15	22	2.6	N.D.
27.02.2020	52	24	11	26	1.8	N.D.

Remarks: * Duration of sampling for CO - 1 Hour, N.D. - Not Detected

Terms & conditions

- The report for publication, arbitration or as legal dispute is forbidden.
- Test sample will be retained for 07 days after issue of test report, otherwise agreed with customer.
- This is for information as the party has asked for above.

Thakur
03/03/2020
PREPARED BY



For ULTIMATE ENVIROLYTICAL SOLUTIONS

03/03/2020
AUTHORIZED SIGNATORY

-----End of the test report-----



HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 | Email : ultimatenviron@gmail.com

Name & Address Of The Customer

TO,
HINDALCO INDUSTRIES LIMITED, GARE
PALMA - IV/5, MILUPARA U/G COAL
MINE,VILLAGE - MILUPARA, BLOCK-
TAMNAR,
DISTT. - RAIGARH (C.G.) 496107

REPORT NO	UES/TR/19-20/015777	
LAB REF NO	UES/19-20/AAQM/15777	
DATE OF SAMPLING	03/03/2020 to 19/03/2020	
DATE OF RECEIPT	04/03/2020 to 20/03/2020	
DATE OF REPORT	21/03/2020	
DATE OF ANALYSIS	START: 04/03/2020	END: 21/03/2019

SAMPLE DETAILS

MONITORING FOR	AMBIENT AIR QUALITY MONITORING	CUSTOMER REF. NO. & DATE	N/PO/SRV/1920/0082, DTD.: 06.08.2019
SAMPLING LOCATION	HIL COLONY, KONDKEL		
DURATION OF SAMPLING	24 HOURS	SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	AS PER METHOD REFERENCE		
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM ₁₀): 1X1 NO., FILTER PAPER (PM _{2.5}): 1X1 NO. SO ₂ : 30MLX1 NO. PVC BOTTLE, NO ₂ : 30MLX1 NO. PVC BOTTLE RUBBER BLADDER: 1X1 NO.		

Test Method and NAAQM Standard for Ambient Air Quality Monitoring

Parameter	Method Reference	NAAQM Standard
Particulate Matter size less than 10 microns (PM ₁₀)	IS 5182 (Part 23): 2006 & CPCB Guidelines Vol.-I	100
Particulate Matter size less than 2.5 microns (PM _{2.5})	CPCB Guidelines Vol.-I	60
Sulphur Dioxide (SO ₂)	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines Vol.-I	80
Nitrogen Dioxide (NO ₂)	IS 5182 (Part 6): 2006 & CPCB Guidelines Vol.-I	80
Carbon Monoxide (CO)*	IS 5182 (Part 10): 1999, RA 2003	4.0
Mercury (Hg)	EPA Method IO-5	--

TEST REPORT

Date of Sampling	PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO* mg/m ³	Hg ng/m ³
03.03.2020	62	30	16	22	1.1	N.D.
06.03.2020	59	28	19	20	1.2	N.D.
10.03.2020	56	26	14	23	1.0	N.D.
13.03.2020	58	24	13	24	1.3	N.D.
17.03.2020	52	27	17	21	1.0	N.D.
19.03.2020	58	28	15	25	1.4	N.D.

Remarks: * Duration of sampling for CO - 1 Hour, N.D. - Not Detected

Terms & conditions

- The report for publication, arbitration or as legal dispute is forbidden.
- Test sample will be retained for 07 days after issue of test report unless otherwise agreed with customer.
- This is for information as the party has asked for above test.

Chandrashekar
PREPARED BY



For ULTIMATE ENVIROLYTICAL SOLUTIONS

Prasanna Kumar
AUTHORIZED SIGNATORY

-----End of the test report-----



HDD-272, PHASE III- NEAR JP CHOWK,
RING ROAD NO -2, KABIR NAGAR, RAIPUR, C.G. -492099
PH - 0771- 4027777 | email - ultimatenviro@gmail.com

Name & Address Of The Customer

TO,
HINDALCO INDUSTRIES LIMITED,
GARE PALMA - IV/5, MILUPARA U/G
COAL MINE,VILLAGE - MILUPARA,
BLOCK-TAMNAR,
DISTT. - RAIGARH (C.G.) 496107

REPORT NO	UES/TR/19-20/010094	
LAB REF NO	UES/19-20/AAQM/10094	
DATE OF SAMPLING	18/10/2019	
DATE OF RECEIPT	19/10/2019	
DATE OF REPORT	30/10/2019	
DATE OF ANALYSIS	START: 21/10/2019	END: 23/10/2019

SAMPLE DETAILS

MONITORING FOR	AMBIENT AIR QUALITY MONITORING	CUSTOMER REF. NO. & DATE	M/PO/SRV/1920/0065, DTD. 06.08.2019
SAMPLING LOCATION	ETP AREA , KONDKEL		
DURATION OF SAMPLING	24 HOURS	SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	AS PER METHOD REFERENCE		
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM ₁₀): 1X1 NO., FILTER PAPER (PM _{2.5}): 1X1 NO. SO ₂ : 30MLX1 NO. PVC BOTTLE, NO ₂ : 30MLX1 NO. PVC BOTTLE RUBBER BLADDER: 1X1 NO.		

TEST REPORT

SR. NO.	PARAMETER	UNIT	RESULT	NAAQM STANDARD	METHOD REFERENCE
1	Particulate Matter size less than 10 microns (PM ₁₀)	µg/m ³	43	100	IS 5182 (Part 23): 2006 & CPCB Guidelines Vol.-I
2	Particulate Matter size less than 2.5 microns (PM _{2.5})	µg/m ³	18	60	Instrument Manufacturer Operating Instructions.
3	Sulphur Dioxide (SO ₂)	µg/m ³	13	80	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines Vol.-I
4	Nitrogen Dioxide (NO ₂)	µg/m ³	16	80	IS 5182 (Part 6): 2006 & CPCB Guidelines Vol.-I
5	Carbon Monoxide (CO) *	mg/m ³	0.8	4.0	IS 5182 (Part 10): 1999, RA 2003

Note: * Duration of sampling for CO - 1 Hour

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

- The report for publication, arbitration or as legal dispute is forbidden.
- Test sample will be retained for 07 days after issue of test report unless otherwise agreed with customer.
- This is for information as the party has asked for above test(s) only.

PREPARED BY

Chandana
30/10/19



For ULTIMATE ENVIROLYTICAL SOLUTIONS

AUTHORIZED SIGNATORY

Chandana
30/10/19

End of the test report.....



HDD-272, PHASE III- NEAR JP. CHOWK,
RING ROAD NO -2, KABIR NAGAR, RAIPUR, C.G. -492099
PH - 0771- 4027777 | email - ultimatenviro@gmail.com

Name & Address Of The Customer

TO,
HINDALCO INDUSTRIES LIMITED, GARE
PALMA - IV/5, MILUPARA U/G COAL
MINE,VILLAGE - MILUPARA,
BLOCK-TAMNAR,
DISTT. - RAIGARH (C.G.) 496107

REPORT NO	UES/TR/19-20/010746	
LAB REF NO	UES/19-20/AAQM/10746	
DATE OF SAMPLING	05/11/2019 to 27/11/2019	
DATE OF RECEIPT	06/11/2019 to 28/11/2019	
DATE OF REPORT	02/12/2019	
DATE OF ANALYSIS	START:06/11/2019	END:02/12/2019

SAMPLE DETAILS

MONITORING FOR	AMBIENT AIR QUALITY MONITORING	CUSTOMER REF. NO. & DATE	M/PO/SRV/1920/0065, DTD. 06.08.2019
SAMPLING LOCATION	ETP AREA , KONDKEL		
DURATION OF SAMPLING	24 HOURS	SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	AS PER METHOD REFERENCE		
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM ₁₀): 1X1 NO., FILTER PAPER (PM _{2.5}): 1X1 NO. SO ₂ : 30MLX1 NO. PVC BOTTLE, NO ₂ : 30MLX1 NO. PVC BOTTLE RUBBER BLADDER: 1X1 NO.		

Test Method and NAAQM Standard for Ambient Air Quality Monitoring

Parameter	Method Reference	NAAQM Standard
Particulate Matter size less than 10 microns (PM ₁₀)	IS 5182 (Part 23): 2006 & CPCB Guidelines Vol.-I	100
Particulate Matter size less than 2.5 microns (PM _{2.5})	CPCB Guidelines Vol.-I	60
Sulphur Dioxide (SO ₂)	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines Vol.-I	80
Nitrogen Dioxide (NO ₂)	IS 5182 (Part 6): 2006 & CPCB Guidelines Vol.-I	80
Carbon Monoxide (CO)*	IS 5182(Part 10):1999, RA 2003	4.0
Mercury (Hg)	EPA Method IO-5	--

TEST REPORT

Date of Sampling	PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO* mg/m ³	Hg ng/m ³
05.11.2019	58	25	13	26	1.3	N.D.
09.11.2019	52	22	10	22	1.1	N.D.
12.11.2019	48	27	16	29	1.8	N.D.
15.11.2019	56	24	14	32	1.6	N.D.
19.11.2019	55	28	18	25	1.2	N.D.
23.11.2019	60	20	10	21	1.0	N.D.
26.11.2019	57	28	11	30	1.8	N.D.
27.11.2019	47	24	14	22	1.0	N.D.

Remarks: * Duration of sampling for CO - 1 Hour, N.D. - Not Detected

Terms & conditions

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- Test sample will be retained for 07 days after issue of test report, unless otherwise agreed with customer.
- This is for information as the party has asked for above test.

Chandni
02/12/19
PREPARED BY



For ULTIMATE ENVIROLYTICAL SOLUTIONS
Jasvinder
02/12/19
AUTHORIZED SIGNATORY

End of the test report.....



HDD-272, PHASE III- NEAR JP CHOWK,
RING ROAD NO -2, KABIR NAGAR, RAIPUR, C.G. -492099
PH - 0771- 4027777 / email - ultimatenviro@gmail.com

Name & Address Of The Customer

TO,
HINDALCO INDUSTRIES LIMITED, GARE
PALMA - IV/5, MILUPARA U/G COAL
MINE,VILLAGE - MILUPARA, BLOCK-
TAMNAR,
DISTT. - RAIGARH (C.G.) 496107

REPORT NO	UES/TR/19-20/012023	
LAB REF NO	UES/19-20/AAQM/12023	
DATE OF SAMPLING	03/12/2019 to 27/12/2019	
DATE OF RECEIPT	04/12/2019 to 28/12/2019	
DATE OF REPORT	31/12/2019	
DATE OF ANALYSIS	START:05/12/2019	END:30/12/2019

SAMPLE DETAILS

MONITORING FOR	AMBIENT AIR QUALITY MONITORING	CUSTOMER REF. NO. & DATE	M/PO/SRV/1920/0065, DTD. 06.08.2019
SAMPLING LOCATION	ETP AREA , KONDKEL		
DURATION OF SAMPLING	24 HOURS	SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	AS PER METHOD REFERENCE		
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM ₁₀): 1X1 NO., FILTER PAPER (PM _{2.5}): 1X1 NO. SO ₂ : 30MLX1 NO. PVC BOTTLE, NO ₂ : 30MLX1 NO. PVC BOTTLE RUBBER BLADDER: 1X1 NO.		

Test Method and NAAQM Standard for Ambient Air Quality Monitoring

Parameter	Method Reference	NAAQM Standard
Particulate Matter size less than 10 microns (PM ₁₀)	IS 5182 (Part 23): 2006 & CPCB Guidelines Vol.-I	100
Particulate Matter size less than 2.5 microns (PM _{2.5})	CPCB Guidelines Vol.-I	60
Sulphur Dioxide (SO ₂)	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines Vol.-I	80
Nitrogen Dioxide (NO ₂)	IS 5182 (Part 6): 2006 & CPCB Guidelines Vol.-I	80
Carbon Monoxide (CO)*	IS 5182(Part 10):1999, RA 2003	4.0
Mercury (Hg)	EPA Method IO-5	--

TEST REPORT

Date of Sampling	PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO* mg/m ³	Hg ng/m ³
03.12.2019	54	28	11	27	1.3	N.D.
06.12.2019	50	20	13	22	1.0	N.D.
10.12.2019	46	26	18	21	1.8	N.D.
13.12.2019	58	22	12	30	1.0	N.D.
17.12.2019	56	24	19	28	1.6	N.D.
20.12.2019	62	28	12	22	1.2	N.D.
24.12.2019	59	26	10	34	1.4	N.D.
27.12.2019	48	22	17	23	1.2	N.D.

Remarks: * Duration of sampling for CO - 1 Hour, N.D. - Not Detected

Terms & conditions

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- This is for information as the party has asked for above.

PREPARED BY
31/12/19



For ULTIMATE ENVIROLYTICAL SOLUTIONS

AUTHORIZED SIGNATORY
31/12/19

End of the test report.....



HDD-272, PHASE III- NEAR JP CHOWK,
RING ROAD NO -2, KABIR NAGAR, RAIPUR, C.G. -492099
PH - 0771- 4027777 | email - ultimatenviro@gmail.com

Name & Address Of The Customer

TO,
HINDALCO INDUSTRIES LIMITED, GARE
PALMA - IV/5, MILUPARA U/G COAL
MINE,VILLAGE - MILUPARA, BLOCK-
TAMNAR,
DISTT. - RAIGARH (C.G.) 496107

REPORT NO	UES/TR/19-20/015050	
LAB REF NO	UES/19-20/AAQM/15050	
DATE OF SAMPLING	03/01/2020 to 28/01/2020	
DATE OF RECEIPT	04/01/2020 to 29/01/2020	
DATE OF REPORT	01/02/2020	
DATE OF ANALYSIS	START: 04/01/2020	END: 31/01/2020

SAMPLE DETAILS

MONITORING FOR	AMBIENT AIR QUALITY MONITORING	CUSTOMER REF. NO. & DATE	M/PO/SRV/1920/0065, DTD. 06.08.2019
SAMPLING LOCATION	ETP AREA , KONDKEL		
DURATION OF SAMPLING	24 HOURS	SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	AS PER METHOD REFERENCE		
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM ₁₀): 1X1 NO., FILTER PAPER (PM _{2.5}): 1X1 NO. SO ₂ : 30MLX1 NO. PVC BOTTLE, NO ₂ : 30MLX1 NO. PVC BOTTLE RUBBER BLADDER: 1X1 NO.		

Test Method and NAAQM Standard for Ambient Air Quality Monitoring

Parameter	Method Reference	NAAQM Standard
Particulate Matter size less than 10 microns (PM ₁₀)	IS 5182 (Part 23): 2006 & CPCB Guidelines Vol.-I	100
Particulate Matter size less than 2.5 microns (PM _{2.5})	CPCB Guidelines Vol.-I	60
Sulphur Dioxide (SO ₂)	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines Vol.-I	80
Nitrogen Dioxide (NO ₂)	IS 5182 (Part 6): 2006 & CPCB Guidelines Vol.-I	80
Carbon Monoxide (CO)*	IS 5182(Part 10):1999, RA 2003	4.0
Mercury (Hg)	EPA Method IO-5	--

TEST REPORT

Date of Sampling	PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO* mg/m ³	Hg ng/m ³
03.01.2020	62	26	09	28	1.6	N.D.
07.01.2020	58	28	11	21	1.1	N.D.
10.01.2020	72	22	16	26	1.4	N.D.
14.01.2020	61	28	18	32	1.5	N.D.
17.01.2020	58	32	14	24	1.0	N.D.
21.01.2020	54	26	18	26	1.6	N.D.
24.01.2020	58	24	11	37	1.1	N.D.
28.01.2020	68	20	16	22	0.9	N.D.

Remarks: * Duration of sampling for CO - 1 Hour, N.D. - Not Detected

Terms & conditions

- > The report for publication, arbitration or as legal dispute is forbidden.
- > Test sample will be retained for 07 days after issue of test report unless otherwise agreed with customer.
- > This is for information as the party has asked for above test.

Chandrima
01/02/2020
PREPARED BY



For ULTIMATE ENVIROLYTICAL SOLUTIONS

Chandrima
01/02/2020
AUTHORIZED SIGNATORY

-----End of the test report-----



HDD-272, PHASE III- NEAR JP CHOWK,
RING ROAD NO -2, KABIR NAGAR, RAIPUR, C.G. -492099
PH - 0771- 4027777 | email - ultimatenviro@gmail.com

Name & Address Of The Customer		REPORT NO	UES/TR/19-20/015441
TO, HINDALCO INDUSTRIES LIMITED, GARE PALMA - IV/5, MILUPARA U/G COAL MINE,VILLAGE - MILUPARA, BLOCK- TAMNAR, DISTT. - RAIGARH (C.G.) 496107		LAB REF NO	UES/19-20/AAQM/15441
		DATE OF SAMPLING	04/02/2020 to 27/02/2020
		DATE OF RECEIPT	05/02/2020 to 28/02/2020
		DATE OF REPORT	03/03/2020
		DATE OF ANALYSIS	START: 05/02/2020 END: 03/03/2020
		SAMPLE DETAILS	
MONITORING FOR	AMBIENT AIR QUALITY MONITORING	CUSTOMER REF. NO. & DATE	M/PO/SRV/1920/0065, DTD. 06.08.2019
SAMPLING LOCATION	ETP AREA , KONDREL		
DURATION OF SAMPLING	24 HOURS	SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	AS PER METHOD REFERENCE		
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM ₁₀): 1X1 NO., FILTER PAPER (PM _{2.5}): 1X1 NO. SO ₂ : 30MLX1 NO. PVC BOTTLE, NO ₂ : 30MLX1 NO. PVC BOTTLE RUBBER BLADDER: 1X1 NO.		

Test Method and NAAQM Standard for Ambient Air Quality Monitoring

Parameter	Method Reference	NAAQM Standard
Particulate Matter size less than 10 microns (PM ₁₀)	IS 5182 (Part 23): 2006 & CPCB Guidelines Vol.-I	100
Particulate Matter size less than 2.5 microns (PM _{2.5})	CPCB Guidelines Vol.-I	60
Sulphur Dioxide (SO ₂)	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines Vol.-I	80
Nitrogen Dioxide (NO ₂)	IS 5182 (Part 6): 2006 & CPCB Guidelines Vol.-I	80
Carbon Monoxide (CO)*	IS 5182(Part 10):1999, RA 2003	4.0
Mercury (Hg)	EPA Method IO-5	--

TEST REPORT

Date of Sampling	PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO* mg/m ³	Hg ng/m ³
04.02.2020	54	24	12	28	1.2	N.D.
06.02.2020	58	20	16	26	1.4	N.D.
11.02.2020	49	26	11	22	1.5	N.D.
13.02.2020	55	22	18	30	1.6	N.D.
18.02.2020	52	28	12	24	1.8	N.D.
20.02.2020	62	24	16	28	1.4	N.D.
25.02.2020	58	22	10	32	1.6	N.D.
27.02.2020	48	28	17	26	1.2	N.D.

Remarks: * Duration of sampling for CO - 1 Hour, N.D. - Not Detected

Terms & conditions

- The report for publication, arbitration or as legal dispute is forbidden.
- Test sample will be retained for 07 days after issue of test report unless otherwise agreed with customer.
- This is for information as the party has asked for above test.

 03/03/2020 PREPARED BY	 ULTIMATE ENVIROLYTICAL SOLUTIONS PHASE - A, KABIR NAGAR, RING NO. 2, RAIPUR, C.G.	For ULTIMATE ENVIROLYTICAL SOLUTIONS 03/03/2020 AUTHORIZED SIGNATORY
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-----End of the test report-----



HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 | Email : ultimatenviro@gmail.com

Name & Address Of The Customer		REPORT NO.	UES/TR/19-20/015778
TO, HINDALCO INDUSTRIES LIMITED, GARE PALMA - IV/5, MILUPARA U/G COAL MINE,VILLAGE - MILUPARA, BLOCK- TAMNAR, DISTT. - RAIGARH (C.G.) 496107		LAB REF NO.	UES/19-20/AAQM/15778
		DATE OF SAMPLING	03/03/2020 to 19/03/2020
		DATE OF RECEIPT	04/03/2020 to 20/03/2020
		DATE OF REPORT	21/03/2020
		DATE OF ANALYSIS	START: 04/03/2020 END: 21/03/2020
SAMPLE DETAILS			
MONITORING FOR	AMBIENT AIR QUALITY MONITORING	CUSTOMER REF. NO. & DATE	N/PO/SRV/1920/0082, DTD.: 06.08.2019
SAMPLING LOCATION	ETP AREA , KONDKEL		
DURATION OF SAMPLING	24 HOURS	SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	AS PER METHOD REFERENCE		
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM ₁₀): 1X1 NO., FILTER PAPER (PM _{2.5}): 1X1 NO. SO ₂ : 30MLX1 NO. PVC BOTTLE, NO ₂ : 30MLX1 NO. PVC BOTTLE RUBBER BLADDER: 1X1 NO.		

Test Method and NAAQM Standard for Ambient Air Quality Monitoring

Parameter	Method Reference	NAAQM Standard
Particulate Matter size less than 10 microns (PM ₁₀)	IS 5182 (Part 23): 2006 & CPCB Guidelines Vol.-I	100
Particulate Matter size less than 2.5 microns (PM _{2.5})	CPCB Guidelines Vol.-I	60
Sulphur Dioxide (SO ₂)	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines Vol.-I	80
Nitrogen Dioxide (NO ₂)	IS 5182 (Part 6): 2006 & CPCB Guidelines Vol.-I	80
Carbon Monoxide (CO)*	IS 5182(Part 10):1999, RA 2003	4.0
Mercury (Hg)	EPA Method IO-5	--

TEST REPORT

Date of Sampling	PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO ⁺ mg/m ³	Hg ng/m ³
03.03.2020	58	28	15	22	1.0	N.D.
06.03.2020	56	24	14	21	1.2	N.D.
10.03.2020	53	25	13	24	1.1	N.D.
13.03.2020	54	23	12	25	1.4	N.D.
17.03.2020	57	27	11	26	1.3	N.D.
19.03.2020	55	29	16	20	1.2	N.D.

Remarks: * Duration of sampling for CO - 1 Hour, N.D. - Not Detected

Terms & conditions

- The report for publication, arbitration or as legal dispute is forbidden.
- Test sample will be retained for 07 days after issue of test report unless otherwise agreed with customer.
- This is for information as the party has asked for above to

 PREPARED BY	 For ULTIMATE ENVIROLYTICAL SOLUTIONS	 AUTHORIZED SIGNATORY
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-----End of the test report-----