

Format No.: UES/FORM/09

 Ultimate ENVIRONMENTAL SOLUTIONS NEW ACCREDITED & CERTIFIED LABORATORY	HDD-272, PHASE III - NEAR JP CHOWK, RING ROAD NO -2, KABER NAGAR, RAIPUR, C.G. -99 PH - 0771-2972364 / 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.) 496 107		REPORT NO UES/TR/II/18-19/0028
		LAB REF NO UES/18-19/AAQM/028
		DATE OF SAMPLING 11/04/2018
		DATE OF RECEIPT 12/04/2018
		DATE OF REPORT 18/04/2018
		DATE OF ANALYSIS START: 13/04/2018 END: 17/04/2018
SAMPLE DETAILS		
MONITORING FOR AMBIENT AIR QUALITY MONITORING	CUSTOMER REF. NO. & DATE M/PO/SRV/1718/0125, dtd. 02.08.2017	
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	78	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	42	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	38	80	IS 5182 (Part 6): 2006 & CPCB Guidelines Vol.-I
5	Carbon Monoxide (CO) *	mg/m ³	2.1	4.0	IS 5182 (Part 10): 1999, RA 2003
6	Arsenic (as As)	ng/m ³	N.D.	6	EPA Method IO-3.2
7	Nickel (as Ni)	ng/m ³	0.58	20	EPA Method IO-3.2
8	Mercury (as Hg)	ng/m ³	N.D.	-	EPA Method IO-5
9	Cadmium (as Cd)	ng/m ³	0.06	-	EPA Method IO-3.2
10	Chromium (as Cr)	ng/m ³	N.D.	-	EPA Method IO-3.2

Note: All results are on the basis of 24 hour sampling.

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

- The above analysis report refers to the particular sample received at our end and the use of 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.

	For ULTIMATE ENVIROLYTICAL SOLUTIONS  AUTHORIZED SIGNATORY
---	---

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

Format No.: UES/FORM/09



HDD-272, PHASE III - NEAR JP CHOWK,
RING ROAD NO -2, KABER NAGAR, RAIPUR, C.G. -99
PH - 0771-2972364 / EMAIL-ultimatenviro@gmail.com



Name & Address Of The Customer		REPORT NO	UES/TR/II/18-19/0029	
TO, HINDALCO INDUSTRIES LIMITED, GARE PALMA - IV/5, MILUPARA U/G COAL MINE,VILLAGE - MILUPARA, BLOCK-TAMNAR, DISTT. - RAIGARH (C.G.) 496 107		LAB REF NO	UES/18-19/AAQM/029	
		DATE OF SAMPLING	11/04/2018	
		DATE OF RECEIPT	12/04/2018	
		DATE OF REPORT	18/04/2018	
		DATE OF ANALYSIS	START: 13/04/2018	END: 17/04/2018
		SAMPLE DETAILS		
MONITORING FOR	AMBIENT AIR QUALITY MONITORING	CUSTOMER REF. NO. & DATE	M/PO/SRV/1718/0125, DTD. 02.08.2017	
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	69	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	36	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	25	80	IS 5182 (Part 6): 2006 & CPCB Guidelines Vol.-I
5	Carbon Monoxide (CO) *	mg/m ³	1.6	4.0	IS 5182 (Part 10): 1999, RA 2003
6	Arsenic (as As)	ng/m ³	N.D.	6	EPA Method IO-3.2
7	Nickel (as Ni)	ng/m ³	0.35	20	EPA Method IO-3.2
8	Mercury (as Hg)	ng/m ³	N.D.	-	EPA Method IO-5
9	Cadmium (as Cd)	ng/m ³	0.02	-	EPA Method IO-3.2
10	Chromium (as Cr)	ng/m ³	N.D.	-	EPA Method IO-3.2

Note: All results are on the basis of 24 hour sampling.

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

- > The above analysis report refers to the particular sample received at our end and the use of the report for publication, arbitration or as legal dispute is forbidden.
- > Test sample will be returned for 07 days after issue of test report unless otherwise agreed with customer.



For ULTIMATE ENVIROLYTICAL SOLUTIONS

AUTHORIZED SIGNATORY

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

Format No.: UES/FORM/09



HDD-272, PHASE III - NEAR JP CHOWK,
RING ROAD NO -2, KABER NAGAR, RAIPUR, C.G. -99
PH - 0771-2972364 / EMAIL-ultimatenviro@gmail.com



Name & Address Of The Customer		REPORT NO	UES/TR/II/18-19/0030	
TO, HINDALCO INDUSTRIES LIMITED, GARE PALMA - IV/5, MILUPARA U/G COAL MINE,VILLAGE - MILUPARA, BLOCK-TAMNAR, DISTT. - RAIGARH (C.G.) 496 107		LAB REF NO	UES/18-19/AAQM/030	
		DATE OF SAMPLING	12/04/2018	
		DATE OF RECEIPT	13/04/2018	
		DATE OF REPORT	18/04/2018	
		DATE OF ANALYSIS	START:13/04/2018	END:17/04/2018
SAMPLE DETAILS				
MONITORING FOR	AMBIENT AIR QUALITY MONITORING	CUSTOMER REF. NO. & DATE	M/PO/SRV/1718/0125, DTD. 02.08.2017	
SAMPLING LOCATION	HIL COLONY, 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 REPORT

SR. NO.	PARAMETER	UNIT	RESULT	NAAQM STANDARD	METHOD REFERENCE
1	Particulate Matter size less than 10 microns (PM ₁₀)	µg/m ³	62	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	31	60	Instrument Manufacturer Operating Instructions.
3	Sulphur Dioxide (SO ₂)	µg/m ³	17	80	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines Vol.-I
4	Nitrogen Dioxide (NO ₂)	µg/m ³	24	80	IS 5182 (Part 6): 2006 & CPCB Guidelines Vol.-I
5	Carbon Monoxide (CO) *	mg/m ³	2.4	4.0	IS 5182 (Part 10): 1999, RA 2003
6	Arsenic (as As)	ng/m ³	N.D.	6	EPA Method IO-3.2
7	Nickel (as Ni)	ng/m ³	0.42	20	EPA Method IO-3.2
8	Mercury (as Hg)	ng/m ³	N.D.	-	EPA Method IO-5
9	Cadmium (as Cd)	ng/m ³	0.04	-	EPA Method IO-3.2
10	Chromium (as Cr)	ng/m ³	N.D.	-	EPA Method IO-3.2

Note: All results are on the basis of 24 hour sampling.

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

- The above analysis report refers to the particular sample received at our end and the use of 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.



For **ULTIMATE ENVIROLYTICAL SOLUTIONS**

AUTHORIZED SIGNATORY

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

Format No.: UES/FORM/09

 Ultimate ENVIROLYTICAL SOLUTIONS NEW ACCREDITED & CERTIFIED LABORATORY	HDD-272, PHASE III - NEAR JP CHOWK, RING ROAD NO -2, KABER NAGAR, RAIPUR, C.G. -99 PH - 0771-2972364 / 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.) 496 107		REPORT NO UES/TR/II/18-19/0031
		LAB REF NO UES/18-19/AAQM/031
		DATE OF SAMPLING 12/04/2018
		DATE OF RECEIPT 13/04/2018
		DATE OF REPORT 18/04/2018
		DATE OF ANALYSIS START:13/04/2018 END:17/04/2018
SAMPLE DETAILS		
MONITORING FOR AMBIENT AIR QUALITY MONITORING	CUSTOMER REF. NO. & DATE M/PO/SRV/1718/0125, DTD. 02.08.2017	
SAMPLING LOCATION STF AREA , KONKEL		
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	72	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	34	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	28	80	IS 5182 (Part 6): 2006 & CPCB Guidelines Vol.-I
5	Carbon Monoxide (CO) *	mg/m ³	2.4	4.0	IS 5182 (Part 10):1999, RA 2003
6	Arsenic (as As)	ng/m ³	N.D.	6	EPA Method IO-3.2
7	Nickel (as Ni)	ng/m ³	0.52	20	EPA Method IO-3.2
8	Mercury (as Hg)	ng/m ³	N.D.	-	EPA Method IO-5
9	Cadmium (as Cd)	ng/m ³	0.06	-	EPA Method IO-3.2
10	Chromium (as Cr)	ng/m ³	N.D.	-	EPA Method IO-3.2

Note: All results are on the basis of 24 hour sampling.

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

- > The above analysis report refers to the particular sample received at our end and the use of 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.

	For ULTIMATE ENVIROLYTICAL SOLUTIONS  AUTHORIZED SIGNATORY
---	--

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