



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 &amp; Address Of The Customer

**TO,**  
**HINDALCO INDUSTRIES LIMITED,**  
**GARE PALMA - IV/4, COAL MINE,**  
**VILLAGE - BANKHETA,**  
**POST -MILUPARA,**  
**DISTT. - RAIGARH (C.G.) 496107**

REPORT NO	UES/TR/19-20/010079	
LAB REF NO	UES/19-20/AAQM/10079	
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	N/PO/SRV/1920/0082, DTD. 06.08.2019
SAMPLING LOCATION	OFFICE AREA, BANJIKHOL		
DURATION OF SAMPLING	24 HOURS	SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	AS PER METHOD REFERENCE		
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM <sub>10</sub> ): 1X1 NO., FILTER PAPER (PM <sub>2.5</sub> ): 1X1 NO. SO <sub>2</sub> : 30MLX1 NO. PVC BOTTLE, NO <sub>2</sub> : 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 <sub>10</sub> )	µg/m <sup>3</sup>	49	100	IS 5182 (Part 23): 2006 & CPCB Guidelines Vol.-I
2	Particulate Matter size less than 2.5 microns (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	22	60	Instrument Manufacturer Operating Instructions.
3	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	15	80	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines Vol.-I
4	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	20	80	IS 5182 (Part 6): 2006 & CPCB Guidelines Vol.-I
5	Carbon Monoxide (CO) *	mg/m <sup>3</sup>	0.7	4.0	IS 5182 (Part 10): 1999, RA 2003

Note: \* Duration of sampling for CO - 1 Hour

## REMARKS: RESULTS ARE AS ABOVE

## Terms &amp; 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 test(s) only.

PREPARED BY

30/10/19



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](mailto:ultimatenviro@gmail.com)

Name &amp; Address Of The Customer

**TO,**  
**HINDALCO INDUSTRIES LIMITED,**  
**GARE PALMA - IV/4, COAL MINE,**  
**VILLAGE - BANKHETA,**  
**POST -MILUPARA,**  
**DISTT. - RAIGARH (C.G.) 496107**

REPORT NO	UES/TR/19-20/010726	
LAB REF NO	UES/19-20/AAQM/10726	
DATE OF SAMPLING	04/11/2019 to 28/11/2019	
DATE OF RECEIPT	05/11/2019 to 29/11/2019	
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	N/PO/SRV/1920/0082, DTD. 06.08.2019
SAMPLING LOCATION	OFFICE AREA, BANJIKHOL		
DURATION OF SAMPLING	24 HOURS	SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	AS PER METHOD REFERENCE		
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM <sub>10</sub> ): 1X1 NO., FILTER PAPER (PM <sub>2.5</sub> ): 1X1 NO. SO <sub>2</sub> : 30MLX1 NO. PVC BOTTLE, NO <sub>2</sub> : 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 <sub>10</sub> )	IS 5182 (Part 23): 2006 & CPCB Guidelines Vol.-I	100
Particulate Matter size less than 2.5 microns (PM <sub>2.5</sub> )	CPCB Guidelines Vol.-I	60
Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines Vol.-I	80
Nitrogen Dioxide (NO <sub>2</sub> )	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 <sub>10</sub> µg/m <sup>3</sup>	PM <sub>2.5</sub> µg/m <sup>3</sup>	SO <sub>2</sub> µg/m <sup>3</sup>	NO <sub>2</sub> µg/m <sup>3</sup>	CO* mg/m <sup>3</sup>	Hg ng/m <sup>3</sup>
04.11.2019	52	26	11	28	1.0	N.D.
08.11.2019	54	22	15	24	1.1	N.D.
11.11.2019	58	24	11	27	1.2	N.D.
15.11.2019	56	20	16	30	1.6	N.D.
18.11.2019	60	26	11	28	0.9	N.D.
22.11.2019	56	26	18	22	1.2	N.D.
25.11.2019	50	24	09	27	1.4	N.D.
28.11.2019	62	21	17	22	1.0	N.D.

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

## Terms &amp; conditions

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*Chandana*  
PREPARED BY  
02/12/19



For ULTIMATE ENVIROLYTICAL SOLUTIONS  
*Chandana*  
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 &amp; Address Of The Customer

**TO,**  
**HINDALCO INDUSTRIES LIMITED,**  
**GARE PALMA - IV/4, COAL MINE,**  
**VILLAGE - BANKHETA,**  
**POST -MILUPARA,**  
**DISTT. - RAIGARH (C.G.) 496107**

REPORT NO	UES/TR/19-20/012007	
LAB REF NO	UES/19-20/AAQM/12007	
DATE OF SAMPLING	02/12/2019 to 27/12/2019	
DATE OF RECEIPT	03/12/2019 to 28/12/2019	
DATE OF REPORT	31/12/2019	
DATE OF ANALYSIS	START: 04/12/2019	END: 31/12/2019

## SAMPLE DETAILS

MONITORING FOR	AMBIENT AIR QUALITY MONITORING	CUSTOMER REF. NO. & DATE	N/PO/SRV/1920/0082, DTD. 06.08.2019
SAMPLING LOCATION	OFFICE AREA, BANJIKHOL		
DURATION OF SAMPLING	24 HOURS	SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	AS PER METHOD REFERENCE		
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM <sub>10</sub> ): 1X1 NO., FILTER PAPER (PM <sub>2.5</sub> ): 1X1 NO. SO <sub>2</sub> : 30MLX1 NO. PVC BOTTLE, NO <sub>2</sub> : 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 <sub>10</sub> )	IS 5182 (Part 23): 2006 & CPCB Guidelines Vol.-I	100
Particulate Matter size less than 2.5 microns (PM <sub>2.5</sub> )	CPCB Guidelines Vol.-I	60
Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines Vol.-I	80
Nitrogen Dioxide (NO <sub>2</sub> )	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 <sub>10</sub> µg/m <sup>3</sup>	PM <sub>2.5</sub> µg/m <sup>3</sup>	SO <sub>2</sub> µg/m <sup>3</sup>	NO <sub>2</sub> µg/m <sup>3</sup>	CO* mg/m <sup>3</sup>	Hg ng/m <sup>3</sup>
02.12.2019	50	21	09	29	1.1	N.D.
05.12.2019	56	26	11	22	1.2	N.D.
09.12.2019	52	20	06	28	1.0	N.D.
12.12.2019	54	24	10	31	1.3	N.D.
16.12.2019	62	22	13	24	0.6	N.D.
19.12.2019	58	20	17	20	1.4	N.D.
23.12.2019	50	25	08	25	1.8	N.D.
26.12.2019	60	23	12	27	0.8	N.D.

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

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

*Pranav Singh*  
 31/12/19  
 PREPARED BY



For ULTIMATE ENVIROLYTICAL SOLUTIONS

*Pranav Singh*  
 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 &amp; Address Of The Customer

**TO,**  
**HINDALCO INDUSTRIES LIMITED,**  
**GARE PALMA - IV/4, COAL MINE,**  
**VILLAGE - BANKHETA,**  
**POST -MILUPARA,**  
**DISTT. - RAIGARH (C.G.) 496107**

REPORT NO	UES/TR/19-20/015035	
LAB REF NO	UES/19-20/AAQM/15035	
DATE OF SAMPLING	02/01/2020 to 27/01/2020	
DATE OF RECEIPT	03/01/2020 to 28/01/2020	
DATE OF REPORT	01/02/2020	
DATE OF ANALYSIS	START: 03/01/2020	END: 31/01/2020

## SAMPLE DETAILS

MONITORING FOR	AMBIENT AIR QUALITY MONITORING	CUSTOMER REF. NO. & DATE	N/PO/SRV/1920/0082, DTD. 06.08.2019
SAMPLING LOCATION	OFFICE AREA, BANJIKHOL		
DURATION OF SAMPLING	24 HOURS	SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	AS PER METHOD REFERENCE		
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM <sub>10</sub> ): 1X1 NO., FILTER PAPER (PM <sub>2.5</sub> ): 1X1 NO. SO <sub>2</sub> : 30MLX1 NO. PVC BOTTLE, NO <sub>2</sub> : 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 <sub>10</sub> )	IS 5182 (Part 23): 2006 & CPCB Guidelines Vol.-I	100
Particulate Matter size less than 2.5 microns (PM <sub>2.5</sub> )	CPCB Guidelines Vol.-I	60
Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines Vol.-I	80
Nitrogen Dioxide (NO <sub>2</sub> )	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 <sub>10</sub> µg/m <sup>3</sup>	PM <sub>2.5</sub> µg/m <sup>3</sup>	SO <sub>2</sub> µg/m <sup>3</sup>	NO <sub>2</sub> µg/m <sup>3</sup>	CO* mg/m <sup>3</sup>	Hg ng/m <sup>3</sup>
02.01.2020	58	26	08	28	1.4	N.D.
06.01.2020	52	20	16	26	1.2	N.D.
09.01.2020	50	27	09	21	1.1	N.D.
13.01.2020	56	22	11	32	1.8	N.D.
16.01.2020	64	20	17	28	0.8	N.D.
20.01.2020	58	28	14	24	1.6	N.D.
23.01.2020	54	26	06	20	1.1	N.D.
27.01.2020	62	22	10	22	0.9	N.D.

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

## Terms &amp; conditions

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

*Chandrabani*  
 PREPARED BY  
 01/02/2020



For ULTIMATE ENVIROLYTICAL SOLUTIONS  
*Chandrabani*  
 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		REPORT NO	UES/TR/19-20/015415	
<b>TO,</b> <b>HINDALCO INDUSTRIES LIMITED,</b> <b>GARE PALMA - IV/4, COAL MINE,</b> <b>VILLAGE - BANKHETA,</b> <b>POST -MILUPARA,</b> <b>DISTT. - RAIGARH (C.G.) 496107</b>		LAB REF NO	UES/19-20/AAQM/15415	
		DATE OF SAMPLING	03/02/2020 to 28/02/2020	
		DATE OF RECEIPT	04/02/2020 to 29/02/2020	
		DATE OF REPORT	03/03/2020	
		DATE OF ANALYSIS	START: 04/02/2020	END: 03/03/2020
		<b>SAMPLE DETAILS</b>		
MONITORING FOR	AMBIENT AIR QUALITY MONITORING	CUSTOMER REF. NO. & DATE	N/PO/SRV/1920/0082, DTD. 06.08.2019	
SAMPLING LOCATION	OFFICE AREA, BANJIKHOL			
DURATION OF SAMPLING	24 HOURS	SAMPLE COLLECTED BY	LABORATORY CHEMIST	
SAMPLING PROCEDURE	AS PER METHOD REFERENCE			
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM <sub>10</sub> ): 1X1 NO., FILTER PAPER (PM <sub>2.5</sub> ): 1X1 NO. SO <sub>2</sub> : 30MLX1 NO. PVC BOTTLE, NO <sub>2</sub> : 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 <sub>10</sub> )	IS 5182 (Part 23): 2006 & CPCB Guidelines Vol.-I	100
Particulate Matter size less than 2.5 microns (PM <sub>2.5</sub> )	CPCB Guidelines Vol.-I	60
Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines Vol.-I	80
Nitrogen Dioxide (NO <sub>2</sub> )	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 <sub>10</sub> µg/m <sup>3</sup>	PM <sub>2.5</sub> µg/m <sup>3</sup>	SO <sub>2</sub> µg/m <sup>3</sup>	NO <sub>2</sub> µg/m <sup>3</sup>	CO* mg/m <sup>3</sup>	Hg ng/m <sup>3</sup>
03.02.2020	56	22	10	26	1.4	N.D.
07.02.2020	50	28	14	28	1.2	N.D.
10.02.2020	54	20	09	22	1.1	N.D.
15.02.2020	52	28	16	24	1.0	N.D.
17.02.2020	62	24	18	26	0.8	N.D.
21.02.2020	54	22	11	28	1.6	N.D.
24.02.2020	58	26	08	30	1.4	N.D.
28.02.2020	60	27	14	26	1.3	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.

Prepared by  
03/03/2020



For ULTIMATE ENVIROLYTICAL SOLUTIONS

Authorized Signatory  
03/03/2020

-----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		REPORT NO.	UES/TR/19-20/015759
<b>TO,</b> <b>HINDALCO INDUSTRIES LIMITED,</b> <b>GARE PALMA - IV/4, COAL MINE,</b> <b>VILLAGE - BANKHETA,</b> <b>POST - MILUPARA,</b> <b>DISTT. - RAIGARH (C.G.) 496107</b>		LAB REF NO.	UES/19-20/AAQM/15759
		DATE OF SAMPLING	02/03/2020 to 18/03/2020
		DATE OF RECEIPT	03/03/2020 to 19/03/2020
		DATE OF REPORT	21/03/2020
		DATE OF ANALYSIS	START: 03/03/2020      END: 21/03/2020
		<b>SAMPLE DETAILS</b>	
MONITORING FOR	AMBIENT AIR QUALITY MONITORING	CUSTOMER REF. NO. & DATE	N/PO/SRV/1920/0082, DTD.: 06.08.2019
SAMPLING LOCATION	OFFICE AREA, BANJIKHOL		
DURATION OF SAMPLING	24 HOURS	SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	AS PER METHOD REFERENCE		
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM <sub>10</sub> ): 1X1 NO., FILTER PAPER (PM <sub>2.5</sub> ): 1X1 NO. SO <sub>2</sub> : 30MLX1 NO. PVC BOTTLE, NO <sub>2</sub> : 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 <sub>10</sub> )	IS 5182 (Part 23): 2006 & CPCB Guidelines Vol.-I	100
Particulate Matter size less than 2.5 microns (PM <sub>2.5</sub> )	CPCB Guidelines Vol.-I	60
Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines Vol.-I	80
Nitrogen Dioxide (NO <sub>2</sub> )	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 <sub>10</sub> µg/m <sup>3</sup>	PM <sub>2.5</sub> µg/m <sup>3</sup>	SO <sub>2</sub> µg/m <sup>3</sup>	NO <sub>2</sub> µg/m <sup>3</sup>	CO* mg/m <sup>3</sup>	Hg ng/m <sup>3</sup>
02.03.2020	58	24	12	23	1.1	N.D.
07.03.2020	52	29	15	26	1.3	N.D.
09.03.2020	56	25	10	21	1.2	N.D.
14.03.2020	51	26	18	25	0.9	N.D.
16.03.2020	60	22	16	24	1.0	N.D.
18.03.2020	53	23	13	29	1.4	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.

*Chandrima*  
PREPARED BY



For ULTIMATE ENVIROLYTICAL SOLUTIONS

*Chandrima*  
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](mailto:ultimatenviro@gmail.com)

Name &amp; Address Of The Customer

**TO,**  
**HINDALCO INDUSTRIES LIMITED,**  
**GARE PALMA - IV/4, COAL**  
**MINE,VILLAGE - BANKHETA,**  
**POST -MILUPARA,**  
**DISTT. - RAIGARH (C.G.) 496107**

REPORT NO	UES/TR/19-20/010080	
LAB REF NO	UES/19-20/AAQM/10080	
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	N/PO/SRV/1920/0082, DTD. 06.08.2019
SAMPLING LOCATION	ETP AREA, BANJIKHOL		
DURATION OF SAMPLING	24 HOURS	SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	AS PER METHOD REFERENCE		
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM <sub>10</sub> ): 1X1 NO., FILTER PAPER (PM <sub>2.5</sub> ): 1X1 NO. SO <sub>2</sub> : 30MLX1 NO. PVC BOTTLE, NO <sub>2</sub> : 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 <sub>10</sub> )	µg/m <sup>3</sup>	39	100	IS 5182 (Part 23): 2006 & CPCB Guidelines Vol.-I
2	Particulate Matter size less than 2.5 microns (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	18	60	Instrument Manufacturer Operating Instructions.
3	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	14	80	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines Vol.-I
4	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	17	80	IS 5182 (Part 6): 2006 & CPCB Guidelines Vol.-I
5	Carbon Monoxide (CO) *	mg/m <sup>3</sup>	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 &amp; 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 (s) only.

*Chandani*  
PREPARED BY 30/10/19



For ULTIMATE ENVIROLYTICAL SOLUTIONS

*Chandani*  
30/10/19  
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 &amp; Address Of The Customer

**TO,**  
**HINDALCO INDUSTRIES LIMITED,**  
**GARE PALMA - IV/4, COAL MINE,**  
**VILLAGE - BANKHETA,**  
**POST -MILUPARA,**  
**DISTT. - RAIGARH (C.G.) 496107**

REPORT NO	UES/TR/19-20/010727	
LAB REF NO	UES/19-20/AAQM/10727	
DATE OF SAMPLING	04/11/2019 to 28/11/2019	
DATE OF RECEIPT	05/11/2019 to 29/11/2019	
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	N/PO/SRV/1920/0082, DTD. 06.08.2019
SAMPLING LOCATION	ETP AREA, BANJIKHOL		
DURATION OF SAMPLING	24 HOURS	SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	AS PER METHOD REFERENCE		
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM <sub>10</sub> ): 1X1 NO., FILTER PAPER (PM <sub>2.5</sub> ): 1X1 NO. SO <sub>2</sub> : 30MLX1 NO. PVC BOTTLE, NO <sub>2</sub> : 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 <sub>10</sub> )	IS 5182 (Part 23): 2006 & CPCB Guidelines Vol.-I	100
Particulate Matter size less than 2.5 microns (PM <sub>2.5</sub> )	CPCB Guidelines Vol.-I	60
Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines Vol.-I	80
Nitrogen Dioxide (NO <sub>2</sub> )	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 <sub>10</sub> µg/m <sup>3</sup>	PM <sub>2.5</sub> µg/m <sup>3</sup>	SO <sub>2</sub> µg/m <sup>3</sup>	NO <sub>2</sub> µg/m <sup>3</sup>	CO* mg/m <sup>3</sup>	Hg ng/m <sup>3</sup>
04.11.2019	58	22	09	32	1.8	N.D.
08.11.2019	60	26	17	24	1.2	N.D.
11.11.2019	62	24	19	28	1.7	N.D.
15.11.2019	52	28	14	34	1.4	N.D.
18.11.2019	50	20	10	27	1.3	N.D.
22.11.2019	54	25	16	20	1.7	N.D.
25.11.2019	56	28	06	26	1.3	N.D.
28.11.2019	62	22	11	29	1.1	N.D.

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

## Terms &amp; 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.

PREPARED BY: *Franklin*  
02/12/19



For ULTIMATE ENVIROLYTICAL SOLUTIONS

*Franklin*  
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 &amp; Address Of The Customer

**TO,**  
**HINDALCO INDUSTRIES LIMITED,**  
**GARE PALMA – IV/4, COAL MINE,**  
**VILLAGE – BANKHETA,**  
**POST -MILUPARA,**  
**DISTT. - RAIGARH (C.G.) 496107**

REPORT NO	UES/TR/19-20/012008	
LAB REF NO	UES/19-20/AAQM/12008	
DATE OF SAMPLING	02/12/2019 to 27/12/2019	
DATE OF RECEIPT	03/12/2019 to 28/12/2019	
DATE OF REPORT	31/12/2019	
DATE OF ANALYSIS	START:04/12/2019	END:31/12/2019

## 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, BANJIKHOL		
DURATION OF SAMPLING	24 HOURS	SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	AS PER METHOD REFERENCE		
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM <sub>10</sub> ): 1X1 NO., FILTER PAPER (PM <sub>2.5</sub> ): 1X1 NO. SO <sub>2</sub> : 30MLX1 NO. PVC BOTTLE, NO <sub>2</sub> : 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 <sub>10</sub> )	IS 5182 (Part 23): 2006 & CPCB Guidelines Vol.-I	100
Particulate Matter size less than 2.5 microns (PM <sub>2.5</sub> )	CPCB Guidelines Vol.-I	60
Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines Vol.-I	80
Nitrogen Dioxide (NO <sub>2</sub> )	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 <sub>10</sub> µg/m <sup>3</sup>	PM <sub>2.5</sub> µg/m <sup>3</sup>	SO <sub>2</sub> µg/m <sup>3</sup>	NO <sub>2</sub> µg/m <sup>3</sup>	CO* mg/m <sup>3</sup>	Hg ng/m <sup>3</sup>
02.12.2019	52	20	11	22	1.4	N.D.
05.12.2019	58	28	06	29	1.1	N.D.
09.12.2019	62	22	13	26	1.9	N.D.
12.12.2019	50	24	17	23	1.1	N.D.
16.12.2019	56	23	12	29	1.2	N.D.
19.12.2019	54	25	10	20	1.5	N.D.
23.12.2019	58	27	08	25	1.6	N.D.
26.12.2019	60	29	14	27	1.0	N.D.

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

## Terms &amp; 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*  
PREPARED BY  
31/12/19



For ULTIMATE ENVIROLYTICAL SOLUTIONS  
*Authorized Signatory*  
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](mailto:ultimatenviro@gmail.com)

Name &amp; Address Of The Customer

**TO,**  
**HINDALCO INDUSTRIES LIMITED,**  
**GARE PALMA - IV/4, COAL MINE,**  
**VILLAGE - BANKHETA,**  
**POST -MILUPARA,**  
**DISTT. - RAIGARH (C.G.) 496107**

REPORT NO	UES/TR/19-20/015036	
LAB REF NO	UES/19-20/AAQM/15036	
DATE OF SAMPLING	02/01/2020 to 27/01/2020	
DATE OF RECEIPT	03/01/2020 to 28/01/2020	
DATE OF REPORT	01/02/2020	
DATE OF ANALYSIS	START:03/01/2020	END:31/01/2020

## 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, BANJIKHOL		
DURATION OF SAMPLING	24 HOURS	SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	AS PER METHOD REFERENCE		
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM <sub>10</sub> ): 1X1 NO., FILTER PAPER (PM <sub>2.5</sub> ): 1X1 NO. SO <sub>2</sub> : 30MLX1 NO. PVC BOTTLE, NO <sub>2</sub> : 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 <sub>10</sub> )	IS 5182 (Part 23): 2006 & CPCB Guidelines Vol.-I	100
Particulate Matter size less than 2.5 microns (PM <sub>2.5</sub> )	CPCB Guidelines Vol.-I	60
Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines Vol.-I	80
Nitrogen Dioxide (NO <sub>2</sub> )	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

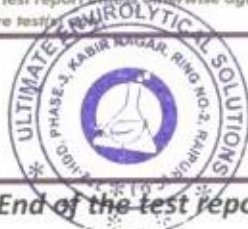
Date of Sampling	PM <sub>10</sub> µg/m <sup>3</sup>	PM <sub>2.5</sub> µg/m <sup>3</sup>	SO <sub>2</sub> µg/m <sup>3</sup>	NO <sub>2</sub> µg/m <sup>3</sup>	CO* mg/m <sup>3</sup>	Hg ng/m <sup>3</sup>
02.01.2020	50	26	16	26	1.0	N.D.
06.01.2020	56	22	08	22	1.6	N.D.
09.01.2020	64	20	11	28	1.2	N.D.
13.01.2020	55	28	18	21	1.8	N.D.
16.01.2020	52	21	12	20	1.0	N.D.
20.01.2020	58	26	19	26	1.6	N.D.
23.01.2020	52	22	06	28	1.4	N.D.
27.01.2020	66	27	10	21	0.9	N.D.

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

## Terms &amp; conditions

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

*Chandramani*  
PREPARED BY 01/02/2020



For ULTIMATE ENVIROLYTICAL SOLUTIONS  
*Chandramani*  
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 &amp; Address Of The Customer

TO,  
**HINDALCO INDUSTRIES LIMITED,**  
**GARE PALMA - IV/4, COAL MINE,VILLAGE -**  
**BANKHETA,**  
**POST -MILUPARA,**  
**DISTT. - RAIGARH (C.G.) 496107**

REPORT NO	UES/TR/19-20/015416	
LAB REF NO	UES/19-20/AAQM/15416	
DATE OF SAMPLING	03/02/2020 to 28/02/2020	
DATE OF RECEIPT	04/02/2020 to 29/02/2020	
DATE OF REPORT	03/03/2020	
DATE OF ANALYSIS	START:04/02/2020	END:03/03/2020

## 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, BANJIKHOL		
DURATION OF SAMPLING	24 HOURS	SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	AS PER METHOD REFERENCE		
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM <sub>10</sub> ): 1XI NO., FILTER PAPER (PM <sub>2.5</sub> ): 1XI NO. SO <sub>2</sub> : 30MLXI NO. PVC BOTTLE, NO <sub>2</sub> : 30MLXI NO. PVC BOTTLE RUBBER BLADDER: 1XI NO.		

## Test Method and NAAQM Standard for Ambient Air Quality Monitoring

Parameter	Method Reference	NAAQM Standard
Particulate Matter size less than 10 microns (PM <sub>10</sub> )	IS 5182 (Part 23): 2006 & CPCB Guidelines Vol.-I	100
Particulate Matter size less than 2.5 microns (PM <sub>2.5</sub> )	CPCB Guidelines Vol.-I	60
Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines Vol.-I	80
Nitrogen Dioxide (NO <sub>2</sub> )	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 <sub>10</sub> µg/m <sup>3</sup>	PM <sub>2.5</sub> µg/m <sup>3</sup>	SO <sub>2</sub> µg/m <sup>3</sup>	NO <sub>2</sub> µg/m <sup>3</sup>	CO* mg/m <sup>3</sup>	Hg ng/m <sup>3</sup>
03.02.2020	56	26	08	22	1.6	N.D.
07.02.2020	62	22	13	26	1.1	N.D.
10.02.2020	64	28	18	20	1.3	N.D.
15.02.2020	50	22	12	32	1.8	N.D.
17.02.2020	58	20	09	24	1.4	N.D.
21.02.2020	56	24	14	28	1.2	N.D.
24.02.2020	52	26	06	20	1.4	N.D.
28.02.2020	60	19	16	26	1.8	N.D.

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

## Terms &amp; 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.

*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		REPORT NO.	UES/TR/19-20/015760	
<b>TO,</b> <b>HINDALCO INDUSTRIES LIMITED,</b> <b>GARE PALMA - IV/4, COAL MINE, VILLAGE</b> <b>- BANKHETA,</b> <b>POST -MILUPARA,</b> <b>DISTT. - RAIGARH (C.G.) 496107</b>		LAB REF NO.	UES/19-20/AAQM/15760	
		DATE OF SAMPLING	02/03/2020 to 18/03/2020	
		DATE OF RECEIPT	03/03/2020 to 19/03/2020	
		DATE OF REPORT	21/03/2020	
		DATE OF ANALYSIS	START: 03/03/2020	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, BANJIKHOL			
DURATION OF SAMPLING	24 HOURS	SAMPLE COLLECTED BY	LABORATORY CHEMIST	
SAMPLING PROCEDURE	AS PER METHOD REFERENCE			
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM <sub>10</sub> ): 1X1 NO., FILTER PAPER (PM <sub>2.5</sub> ): 1X1 NO. SO <sub>2</sub> : 30MLXI NO. PVC BOTTLE, NO <sub>2</sub> : 30MLXI 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 <sub>10</sub> )	IS 5182 (Part 23): 2006 & CPCB Guidelines Vol.-I	100
Particulate Matter size less than 2.5 microns (PM <sub>2.5</sub> )	CPCB Guidelines Vol.-I	60
Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines Vol.-I	80
Nitrogen Dioxide (NO <sub>2</sub> )	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 <sub>10</sub> µg/m <sup>3</sup>	PM <sub>2.5</sub> µg/m <sup>3</sup>	SO <sub>2</sub> µg/m <sup>3</sup>	NO <sub>2</sub> µg/m <sup>3</sup>	CO* mg/m <sup>3</sup>	Hg ng/m <sup>3</sup>
02.03.2020	58	29	10	23	1.2	N.D.
07.03.2020	60	25	14	24	1.3	N.D.
09.03.2020	61	26	17	22	1.4	N.D.
14.03.2020	54	23	15	28	1.6	N.D.
16.03.2020	57	24	13	26	1.5	N.D.
18.03.2020	62	27	18	25	1.7	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.

 <b>PREPARED BY</b>	 ULTIMATE ENVIROLYTICAL SOLUTIONS HINDALCO, KABIR NAGAR, PHASE III, RING ROAD NO. 2, RAIGARH (C.G.)	For <b>ULTIMATE ENVIROLYTICAL SOLUTIONS</b>  <b>AUTHORIZED SIGNATORY</b>
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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](mailto:ultimatenviro@gmail.com)

Name &amp; Address Of The Customer

**TO,**  
**HINDALCO INDUSTRIES LIMITED,**  
**GARE PALMA - IV/4, COAL**  
**MINE,VILLAGE - BANKHETA,**  
**POST -MILUPARA,**  
**DISTT. - RAIGARH (C.G.) 496107**

REPORT NO	UES/TR/19-20/010081	
LAB REF NO	UES/19-20/AAQM/10081	
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	N/PO/SRV/1920/0082, DTD. 06.08.2019
SAMPLING LOCATION	OFFICE AREA, BANKHETA		
DURATION OF SAMPLING	24 HOURS	SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	AS PER METHOD REFERENCE		
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM <sub>10</sub> ): 1X1 NO., FILTER PAPER (PM <sub>2.5</sub> ): 1X1 NO. SO <sub>2</sub> : 30MLX1 NO. PVC BOTTLE, NO <sub>2</sub> : 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 <sub>10</sub> )	µg/m <sup>3</sup>	53	100	IS 5182 (Part 23): 2006 & CPCB Guidelines Vol.-I
2	Particulate Matter size less than 2.5 microns (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	26	60	Instrument Manufacturer Operating Instructions.
3	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	17	80	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines Vol.-I
4	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	23	80	IS 5182 (Part 6): 2006 & CPCB Guidelines Vol.-I
5	Carbon Monoxide (CO) *	mg/m <sup>3</sup>	1.0	4.0	IS 5182 (Part 10): 1999, RA 2003

Note: \* Duration of sampling for CO - 1 Hour

## REMARKS: RESULTS ARE AS ABOVE

## Terms &amp; 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.

*Chandrababu*  
30/10/19  
PREPARED BY



For ULTIMATE ENVIROLYTICAL SOLUTIONS

*Chandrababu*  
30/10/19  
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/19-20/010728	
<b>TO,</b> <b>HINDALCO INDUSTRIES LIMITED,</b> <b>GARE PALMA - IV/4, COAL MINE,</b> <b>VILLAGE - BANKHETA,</b> <b>POST -MILUPARA,</b> <b>DISTT. - RAIGARH (C.G.) 496107</b>		LAB REF NO	UES/19-20/AAQM/10728	
		DATE OF SAMPLING	04/11/2019 to 28/11/2019	
		DATE OF RECEIPT	05/11/2019 to 29/11/2019	
		DATE OF REPORT	02/12/2019	
		DATE OF ANALYSIS	START:06/11/2019	END:02/12/2019
<b>SAMPLE DETAILS</b>				
MONITORING FOR	AMBIENT AIR QUALITY MONITORING	CUSTOMER REF. NO. & DATE	N/PO/SRV/1920/0082 DTD. 06.08.2019	
SAMPLING LOCATION	OFFICE AREA, BANKHETA			
DURATION OF SAMPLING	24 HOURS	SAMPLE COLLECTED BY	LABORATORY CHEMIST	
SAMPLING PROCEDURE	AS PER METHOD REFERENCE			
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM <sub>10</sub> ): 1X1 NO., FILTER PAPER (PM <sub>2.5</sub> ): 1X1 NO. SO <sub>2</sub> : 30MLX1 NO. PVC BOTTLE, NO <sub>2</sub> : 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 <sub>10</sub> )	IS 5182 (Part 23): 2006 & CPCB Guidelines Vol.-I	100
Particulate Matter size less than 2.5 microns (PM <sub>2.5</sub> )	CPCB Guidelines Vol.-I	60
Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines Vol.-I	80
Nitrogen Dioxide (NO <sub>2</sub> )	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 <sub>10</sub> µg/m <sup>3</sup>	PM <sub>2.5</sub> µg/m <sup>3</sup>	SO <sub>2</sub> µg/m <sup>3</sup>	NO <sub>2</sub> µg/m <sup>3</sup>	CO* mg/m <sup>3</sup>	Hg ng/m <sup>3</sup>
04.11.2019	60	22	17	26	1.2	N.D.
08.11.2019	56	25	14	22	1.4	N.D.
11.11.2019	62	21	10	24	1.1	N.D.
15.11.2019	54	26	19	34	1.9	N.D.
18.11.2019	58	24	13	28	1.7	N.D.
22.11.2019	68	21	14	22	1.2	N.D.
25.11.2019	62	25	06	29	1.5	N.D.
28.11.2019	50	28	12	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 report, otherwise agreed with customer.
- This is for information as the party has asked for above.

PREPARED BY  
02/12/19



For ULTIMATE ENVIROLYTICAL SOLUTIONS  
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](mailto:ultimatenviro@gmail.com)

Name &amp; Address Of The Customer

**TO,**  
**HINDALCO INDUSTRIES LIMITED,**  
**GARE PALMA - IV/4, COAL MINE,**  
**VILLAGE - BANKHETA,**  
**POST -MILUPARA,**  
**DISTT. - RAIGARH (C.G.) 496107**

REPORT NO	UES/TR/19-20/012009	
LAB REF NO	UES/19-20/AAQM/12009	
DATE OF SAMPLING	02/12/2019 to 27/12/2019	
DATE OF RECEIPT	03/12/2019 to 28/12/2019	
DATE OF REPORT	31/12/2019	
DATE OF ANALYSIS	START: 04/12/2019	END: 31/12/2019

## SAMPLE DETAILS

MONITORING FOR	AMBIENT AIR QUALITY MONITORING	CUSTOMER REF. NO. & DATE	N/PO/SRV/1920/0082 , DTD. 06.08.2019
SAMPLING LOCATION	OFFICE AREA, BANKHETA		
DURATION OF SAMPLING	24 HOURS	SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	AS PER METHOD REFERENCE		
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM <sub>10</sub> ): 1X1 NO., FILTER PAPER (PM <sub>2.5</sub> ): 1X1 NO. SO <sub>2</sub> : 30MLX1 NO. PVC BOTTLE, NO <sub>2</sub> : 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 <sub>10</sub> )	IS 5182 (Part 23): 2006 & CPCB Guidelines Vol.-I	100
Particulate Matter size less than 2.5 microns (PM <sub>2.5</sub> )	CPCB Guidelines Vol.-I	60
Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines Vol.-I	80
Nitrogen Dioxide (NO <sub>2</sub> )	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 <sub>10</sub> µg/m <sup>3</sup>	PM <sub>2.5</sub> µg/m <sup>3</sup>	SO <sub>2</sub> µg/m <sup>3</sup>	NO <sub>2</sub> µg/m <sup>3</sup>	CO* mg/m <sup>3</sup>	Hg ng/m <sup>3</sup>
02.12.2019	62	20	12	26	1.0	N.D.
05.12.2019	58	26	17	23	1.6	N.D.
09.12.2019	60	22	13	28	0.9	N.D.
12.12.2019	50	28	17	31	0.6	N.D.
16.12.2019	52	21	11	25	1.0	N.D.
19.12.2019	64	24	10	20	1.4	N.D.
23.12.2019	61	28	08	27	1.8	N.D.
26.12.2019	54	21	15	25	1.3	N.D.

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

## Terms &amp; 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.

*Pradamb*  
PREPARED BY *31/12/19*



For ULTIMATE ENVIROLYTICAL SOLUTIONS

*Pradamb*  
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](mailto:ultimatenviro@gmail.com)

Name &amp; Address Of The Customer

**TO,**  
**HINDALCO INDUSTRIES LIMITED,**  
**GARE PALMA - IV/4, COAL MINE,**  
**VILLAGE - BANKHETA,**  
**POST -MILUPARA,**  
**DISTT. - RAIGARH (C.G.) 496107**

REPORT NO	UES/TR/19-20/15037	
LAB REF NO	UES/19-20/AAQM/15037	
DATE OF SAMPLING	02/01/2020 to 27/01/2020	
DATE OF RECEIPT	03/01/2020 to 28/01/2020	
DATE OF REPORT	01/02/2020	
DATE OF ANALYSIS	START:03/01/2020	END:31/01/2020

## SAMPLE DETAILS

MONITORING FOR	AMBIENT AIR QUALITY MONITORING	CUSTOMER REF. NO. & DATE	N/PO/SRV/1920/0082 , DTD. 06.08.2019
SAMPLING LOCATION	OFFICE AREA, BANKHETA		
DURATION OF SAMPLING	24 HOURS	SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	AS PER METHOD REFERENCE		
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM <sub>10</sub> ): 1X1 NO., FILTER PAPER (PM <sub>2.5</sub> ): 1X1 NO. SO <sub>2</sub> : 30MLX1 NO. PVC BOTTLE, NO <sub>2</sub> : 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 <sub>10</sub> )	IS 5182 (Part 23): 2006 & CPCB Guidelines Vol.-I	100
Particulate Matter size less than 2.5 microns (PM <sub>2.5</sub> )	CPCB Guidelines Vol.-I	60
Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines Vol.-I	80
Nitrogen Dioxide (NO <sub>2</sub> )	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 <sub>10</sub> µg/m <sup>3</sup>	PM <sub>2.5</sub> µg/m <sup>3</sup>	SO <sub>2</sub> µg/m <sup>3</sup>	NO <sub>2</sub> µg/m <sup>3</sup>	CO* mg/m <sup>3</sup>	Hg ng/m <sup>3</sup>
02.01.2020	68	28	11	30	1.2	N.D.
06.01.2020	55	22	16	26	1.0	N.D.
09.01.2020	66	24	12	22	0.8	N.D.
13.01.2020	52	20	16	38	1.4	N.D.
16.01.2020	58	28	14	22	1.6	N.D.
20.01.2020	60	23	09	18	1.0	N.D.
23.01.2020	66	25	06	22	1.1	N.D.
27.01.2020	52	28	12	26	1.8	N.D.

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

## Terms &amp; conditions

- 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.
- 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 &amp; Address Of The Customer

**TO,**  
**HINDALCO INDUSTRIES LIMITED,**  
**GARE PALMA - IV/4, COAL MINE,**  
**VILLAGE - BANKHETA,**  
**POST -MILUPARA,**  
**DISTT. - RAIGARH (C.G.) 496107**

REPORT NO	UES/TR/19-20/015417	
LAB REF NO	UES/19-20/AAQM/15417	
DATE OF SAMPLING	03/02/2020 to 28/02/2020	
DATE OF RECEIPT	04/02/2020 to 29/02/2020	
DATE OF REPORT	03/03/2020	
DATE OF ANALYSIS	START: 04/02/2020	END: 03/03/2020

## SAMPLE DETAILS

MONITORING FOR	AMBIENT AIR QUALITY MONITORING	CUSTOMER REF. NO. & DATE	N/PO/SRV/1920/0082 , DTD. 06.08.2019
SAMPLING LOCATION	OFFICE AREA, BANKHETA		
DURATION OF SAMPLING	24 HOURS	SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	AS PER METHOD REFERENCE		
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM <sub>10</sub> ): 1X1 NO., FILTER PAPER (PM <sub>2.5</sub> ): 1X1 NO. SO <sub>2</sub> : 30MLX1 NO. PVC BOTTLE, NO <sub>2</sub> : 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 <sub>10</sub> )	IS 5182 (Part 23): 2006 & CPCB Guidelines Vol.-I	100
Particulate Matter size less than 2.5 microns (PM <sub>2.5</sub> )	CPCB Guidelines Vol.-I	60
Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines Vol.-I	80
Nitrogen Dioxide (NO <sub>2</sub> )	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 <sub>10</sub> µg/m <sup>3</sup>	PM <sub>2.5</sub> µg/m <sup>3</sup>	SO <sub>2</sub> µg/m <sup>3</sup>	NO <sub>2</sub> µg/m <sup>3</sup>	CO* mg/m <sup>3</sup>	Hg ng/m <sup>3</sup>
03.02.2020	60	26	12	22	1.6	N.D.
07.02.2020	52	22	11	28	1.0	N.D.
10.02.2020	66	28	16	26	1.3	N.D.
15.02.2020	48	24	12	30	1.8	N.D.
17.02.2020	56	22	18	24	1.4	N.D.
21.02.2020	62	26	13	26	1.0	N.D.
24.02.2020	58	20	09	20	1.6	N.D.
28.02.2020	54	24	11	32	1.3	N.D.

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

## Terms &amp; 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 report.

*Shikhar*  
03/03/2020  
PREPARED BY



For ULTIMATE ENVIROLYTICAL SOLUTIONS

*Amrutesh*  
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		REPORT NO.	UES/TR/19-20/015761
<b>TO,</b> <b>HINDALCO INDUSTRIES LIMITED,</b> <b>GARE PALMA - IV/4, COAL MINE, VILLAGE</b> <b>- BANKHETA,</b> <b>POST -MILUPARA,</b> <b>DISTT. - RAIGARH (C.G.) 496107</b>		LAB REF NO.	UES/19-20/AAQM/15761
		DATE OF SAMPLING	02/03/2020 to 18/03/2020
		DATE OF RECEIPT	03/03/2020 to 19/03/2020
		DATE OF REPORT	21/03/2020
		DATE OF ANALYSIS	START:03/03/2020      END:21/03/2020
		<b>SAMPLE DETAILS</b>	
MONITORING FOR	AMBIENT AIR QUALITY MONITORING	CUSTOMER REF. NO. & DATE	N/PO/SRV/1920/0082 , DTD.: 06.08.2019
SAMPLING LOCATION	OFFICE AREA, BANKHETA		
DURATION OF SAMPLING	24 HOURS	SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	AS PER METHOD REFERENCE		
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM <sub>10</sub> ): 1X1 NO., FILTER PAPER (PM <sub>2.5</sub> ): 1X1 NO. SO <sub>2</sub> : 30MLX1 NO. PVC BOTTLE, NO <sub>2</sub> : 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 <sub>10</sub> )	IS 5182 (Part 23): 2006 & CPCB Guidelines Vol.-I	100
Particulate Matter size less than 2.5 microns (PM <sub>2.5</sub> )	CPCB Guidelines Vol.-I	60
Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines Vol.-I	80
Nitrogen Dioxide (NO <sub>2</sub> )	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

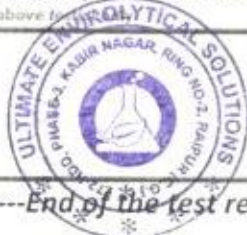
Date of Sampling	PM <sub>10</sub> µg/m <sup>3</sup>	PM <sub>2.5</sub> µg/m <sup>3</sup>	SO <sub>2</sub> µg/m <sup>3</sup>	NO <sub>2</sub> µg/m <sup>3</sup>	CO* mg/m <sup>3</sup>	Hg ng/m <sup>3</sup>
02.03.2020	63	28	13	23	1.1	N.D.
07.03.2020	58	26	10	24	1.3	N.D.
09.03.2020	64	29	15	27	1.0	N.D.
14.03.2020	52	25	14	31	1.5	N.D.
16.03.2020	59	23	17	28	1.6	N.D.
18.03.2020	55	24	12	30	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](mailto:ultimatenviro@gmail.com)

Name &amp; Address Of The Customer

**TO,**  
**HINDALCO INDUSTRIES LIMITED,**  
**GARE PALMA - IV/4, COAL**  
**MINE,VILLAGE - BANKHETA,**  
**POST -MILUPARA,**  
**DISTT. - RAIGARH (C.G.) 496107**

REPORT NO	UES/TR/19-20/010082	
LAB REF NO	UES/19-20/AAQM/10082	
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	N/PO/SRV/1920/0082, DTD. 06.08.2019
SAMPLING LOCATION	PIT OFFICE AREA, BANKHETA		
DURATION OF SAMPLING	24 HOURS	SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	AS PER METHOD REFERENCE		
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM <sub>10</sub> ): 1X1 NO., FILTER PAPER (PM <sub>2.5</sub> ): 1X1 NO. SO <sub>2</sub> : 30MLX1 NO. PVC BOTTLE, NO <sub>2</sub> : 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 <sub>10</sub> )	µg/m <sup>3</sup>	58	100	IS 5182 (Part 23): 2006 & CPCB Guidelines Vol.-I
2	Particulate Matter size less than 2.5 microns (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	30	60	Instrument Manufacturer Operating Instructions.
3	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	20	80	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines Vol.-I
4	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	25	80	IS 5182 (Part 6): 2006 & CPCB Guidelines Vol.-I
5	Carbon Monoxide (CO) *	mg/m <sup>3</sup>	1.1	4.0	IS 5182 (Part 10): 1999, RA 2003

Note: \*Duration of sampling for CO - 1 Hour

## REMARKS: RESULTS ARE AS ABOVE

## Terms &amp; 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

*Chandini*  
30/10/19



For ULTIMATE ENVIROLYTICAL SOLUTIONS

*Chandini*  
30/10/19  
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](mailto:ultimatenviro@gmail.com)

Name &amp; Address Of The Customer

**TO,**  
**HINDALCO INDUSTRIES LIMITED,**  
**GARE PALMA - IV/4, COAL MINE,**  
**VILLAGE - BANKHETA,**  
**POST -MILUPARA,**  
**DISTT. - RAIGARH (C.G.) 496107**

REPORT NO	UES/TR/19-20/010729	
LAB REF NO	UES/19-20/AAQM/10729	
DATE OF SAMPLING	04/11/2019 to 28/11/2019	
DATE OF RECEIPT	05/11/2019 to 29/11/2019	
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	N/PO/SRV/1920/0082, DTD. 06.08.2019
SAMPLING LOCATION	PIT OFFICE AREA, BANKHETA		
DURATION OF SAMPLING	24 HOURS	SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	AS PER METHOD REFERENCE		
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM <sub>10</sub> ): 1X1 NO., FILTER PAPER (PM <sub>2.5</sub> ): 1X1 NO. SO <sub>2</sub> : 30MLX1 NO. PVC BOTTLE, NO <sub>2</sub> : 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 <sub>10</sub> )	IS 5182 (Part 23): 2006 & CPCB Guidelines Vol.-I	100
Particulate Matter size less than 2.5 microns (PM <sub>2.5</sub> )	CPCB Guidelines Vol.-I	60
Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines Vol.-I	80
Nitrogen Dioxide (NO <sub>2</sub> )	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 <sub>10</sub> µg/m <sup>3</sup>	PM <sub>2.5</sub> µg/m <sup>3</sup>	SO <sub>2</sub> µg/m <sup>3</sup>	NO <sub>2</sub> µg/m <sup>3</sup>	CO* mg/m <sup>3</sup>	Hg ng/m <sup>3</sup>
04.11.2019	49	22	13	38	1.7	N.D.
08.11.2019	56	26	10	34	1.1	N.D.
11.11.2019	52	28	14	37	1.9	N.D.
15.11.2019	50	20	11	28	1.1	N.D.
18.11.2019	54	25	19	24	1.8	N.D.
22.11.2019	58	22	16	21	1.1	N.D.
25.11.2019	52	26	11	29	1.6	N.D.
28.11.2019	48	21	14	22	1.2	N.D.

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

## Terms &amp; conditions

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

*Handwritten Signature*  
02/12/19  
PREPARED BY



For ULTIMATE ENVIROLYTICAL SOLUTIONS  
*Handwritten 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](mailto:ultimatenviro@gmail.com)

Name &amp; Address Of The Customer

**TO,**  
**HINDALCO INDUSTRIES LIMITED,**  
**GARE PALMA - IV/4, COAL MINE,VILLAGE**  
**- BANKHETA,**  
**POST -MILUPARA,**  
**DISTT. - RAIGARH (C.G.) 496107**

REPORT NO	UES/TR/19-20/012010	
LAB REF NO	UES/19-20/AAQM/12010	
DATE OF SAMPLING	02/12/2019 to 27/12/2019	
DATE OF RECEIPT	03/12/2019 to 28/12/2019	
DATE OF REPORT	31/12/2019	
DATE OF ANALYSIS	START: 04/12/2019	END: 31/12/2019

## SAMPLE DETAILS

MONITORING FOR	AMBIENT AIR QUALITY MONITORING	CUSTOMER REF. NO. & DATE	N/PO/SRV/1920/0082, DTD. 06.08.2019
SAMPLING LOCATION	PIT OFFICE AREA, BANKHETA		
DURATION OF SAMPLING	24 HOURS	SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	AS PER METHOD REFERENCE		
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM <sub>10</sub> ): 1X1 NO., FILTER PAPER (PM <sub>2.5</sub> ): 1X1 NO. SO <sub>2</sub> : 30MLX1 NO. PVC BOTTLE, NO <sub>2</sub> : 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 <sub>10</sub> )	IS 5182 (Part 23): 2006 & CPCB Guidelines Vol.-I	100
Particulate Matter size less than 2.5 microns (PM <sub>2.5</sub> )	CPCB Guidelines Vol.-I	60
Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines Vol.-I	80
Nitrogen Dioxide (NO <sub>2</sub> )	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 <sub>10</sub> µg/m <sup>3</sup>	PM <sub>2.5</sub> µg/m <sup>3</sup>	SO <sub>2</sub> µg/m <sup>3</sup>	NO <sub>2</sub> µg/m <sup>3</sup>	CO* mg/m <sup>3</sup>	Hg ng/m <sup>3</sup>
02.12.2019	48	21	11	32	1.2	N.D.
05.12.2019	58	25	13	30	1.5	N.D.
09.12.2019	50	27	17	36	1.7	N.D.
12.12.2019	56	22	10	22	1.3	N.D.
16.12.2019	51	28	15	28	1.7	N.D.
19.12.2019	54	21	12	23	1.0	N.D.
23.12.2019	57	25	10	27	1.5	N.D.
26.12.2019	52	20	19	25	1.6	N.D.

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

## Terms &amp; 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.

PREPARED BY  
*Randomey*  
31/12/19



For ULTIMATE ENVIROLYTICAL SOLUTIONS

*[Signature]*  
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

<b>Name &amp; Address Of The Customer</b> <b>TO,</b> <b>HINDALCO INDUSTRIES LIMITED,</b> <b>GARE PALMA - IV/4, COAL MINE,VILLAGE</b> <b>- BANKHETA,</b> <b>POST -MILUPARA,</b> <b>DISTT. - RAIGARH (C.G.) 496107</b>	REPORT NO	UES/TR/19-20/015038	
	LAB REF NO	UES/19-20/AAQM/15038	
	DATE OF SAMPLING	02/01/2020 to 27/01/2020	
	DATE OF RECEIPT	03/01/2020 to 28/01/2020	
	DATE OF REPORT	01/02/2020	
	DATE OF ANALYSIS	START: 03/01/2020	END: 31/01/2020
<b>SAMPLE DETAILS</b>			
MONITORING FOR	AMBIENT AIR QUALITY MONITORING	CUSTOMER REF. NO. & DATE	N/PO/SRV/1920/0082, DTD. 06.08.2019
SAMPLING LOCATION	PIT OFFICE AREA, BANKHETA		
DURATION OF SAMPLING	24 HOURS	SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	AS PER METHOD REFERENCE		
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM <sub>10</sub> ): 1X1 NO., FILTER PAPER (PM <sub>2.5</sub> ): 1X1 NO. SO <sub>2</sub> : 30MLX1 NO. PVC BOTTLE, NO <sub>2</sub> : 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 <sub>10</sub> )	IS 5182 (Part 23): 2006 & CPCB Guidelines Vol.-I	100
Particulate Matter size less than 2.5 microns (PM <sub>2.5</sub> )	CPCB Guidelines Vol.-I	60
Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines Vol.-I	80
Nitrogen Dioxide (NO <sub>2</sub> )	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 <sub>10</sub> µg/m <sup>3</sup>	PM <sub>2.5</sub> µg/m <sup>3</sup>	SO <sub>2</sub> µg/m <sup>3</sup>	NO <sub>2</sub> µg/m <sup>3</sup>	CO* mg/m <sup>3</sup>	Hg ng/m <sup>3</sup>
02.01.2020	50	26	11	25	1.8	N.D.
06.01.2020	56	22	19	23	1.2	N.D.
09.01.2020	58	28	12	28	1.9	N.D.
13.01.2020	52	20	14	20	1.6	N.D.
16.01.2020	57	26	10	26	1.0	N.D.
20.01.2020	55	24	18	21	1.8	N.D.
23.01.2020	52	23	12	28	1.2	N.D.
27.01.2020	50	28	15	22	1.1	N.D.

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

#### Terms & conditions

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

 PREPARED BY	 For ULTIMATE ENVIROLYTICAL SOLUTIONS	 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 &amp; Address Of The Customer

TO,  
HINDALCO INDUSTRIES LIMITED,  
GARE PALMA - IV/4, COAL MINE,  
VILLAGE - BANKHETA,  
POST -MILUPARA,  
DISTT. - RAIGARH (C.G.) 496107

REPORT NO	UES/TR/19-20/015418	
LAB REF NO	UES/19-20/AAQM/15418	
DATE OF SAMPLING	03/02/2020 to 28/02/2020	
DATE OF RECEIPT	04/02/2020 to 29/02/2020	
DATE OF REPORT	03/03/2020	
DATE OF ANALYSIS	START: 04/02/2020	END: 03/03/2020

## SAMPLE DETAILS

MONITORING FOR	AMBIENT AIR QUALITY MONITORING	CUSTOMER REF. NO. & DATE	N/PO/SRV/1920/0082, DTD. 06.08.2019
SAMPLING LOCATION	PIT OFFICE AREA, BANKHETA		
DURATION OF SAMPLING	24 HOURS	SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	AS PER METHOD REFERENCE		
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM <sub>10</sub> ): 1X1 NO., FILTER PAPER (PM <sub>2.5</sub> ): 1X1 NO. SO <sub>2</sub> : 30MLX1 NO. PVC BOTTLE, NO <sub>2</sub> : 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 <sub>10</sub> )	IS 5182 (Part 23): 2006 & CPCB Guidelines Vol.-I	100
Particulate Matter size less than 2.5 microns (PM <sub>2.5</sub> )	CPCB Guidelines Vol.-I	60
Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines Vol.-I	80
Nitrogen Dioxide (NO <sub>2</sub> )	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 <sub>10</sub> µg/m <sup>3</sup>	PM <sub>2.5</sub> µg/m <sup>3</sup>	SO <sub>2</sub> µg/m <sup>3</sup>	NO <sub>2</sub> µg/m <sup>3</sup>	CO* mg/m <sup>3</sup>	Hg ng/m <sup>3</sup>
03.02.2020	48	26	14	36	1.6	N.D.
07.02.2020	54	22	11	32	1.3	N.D.
10.02.2020	56	28	16	30	1.8	N.D.
15.02.2020	52	23	10	24	1.2	N.D.
17.02.2020	56	24	18	26	1.4	N.D.
21.02.2020	58	28	14	20	1.2	N.D.
24.02.2020	60	22	16	22	1.8	N.D.
28.02.2020	54	20	12	28	1.6	N.D.

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

## Terms &amp; conditions

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

Prepared By  
03/03/2020



For ULTIMATE ENVIROLYTICAL SOLUTIONS

Authorized Signatory  
03/03/2020

-----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 &amp; Address Of The Customer

**TO,**  
**HINDALCO INDUSTRIES LIMITED,**  
**GARE PALMA - IV/4, COAL MINE, VILLAGE -**  
**BANKHETA,**  
**POST -MILUPARA,**  
**DISTT. - RAIGARH (C.G.) 496107**

REPORT NO.	UES/TR/19-20/015762	
LAB REF NO.	UES/19-20/AAQM/15762	
DATE OF SAMPLING	02/03/2020 to 18/03/2020	
DATE OF RECEIPT	03/03/2020 to 19/03/2020	
DATE OF REPORT	21/03/2020	
DATE OF ANALYSIS	START: 03/03/2020	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	PIT OFFICE AREA, BANKHETA		
DURATION OF SAMPLING	24 HOURS	SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	AS PER METHOD REFERENCE		
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM <sub>10</sub> ): 1X1 NO., FILTER PAPER (PM <sub>2.5</sub> ): 1X1 NO. SO <sub>2</sub> : 30MLX1 NO. PVC BOTTLE, NO <sub>2</sub> : 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 <sub>10</sub> )	IS 5182 (Part 23): 2006 & CPCB Guidelines Vol.-I	100
Particulate Matter size less than 2.5 microns (PM <sub>2.5</sub> )	CPCB Guidelines Vol.-I	60
Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines Vol.-I	80
Nitrogen Dioxide (NO <sub>2</sub> )	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

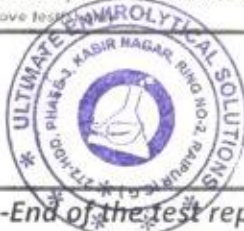
Date of Sampling	PM <sub>10</sub> µg/m <sup>3</sup>	PM <sub>2.5</sub> µg/m <sup>3</sup>	SO <sub>2</sub> µg/m <sup>3</sup>	NO <sub>2</sub> µg/m <sup>3</sup>	CO* mg/m <sup>3</sup>	Hg ng/m <sup>3</sup>
02.03.2020	50	27	15	32	1.3	N.D.
07.03.2020	53	25	12	30	1.1	N.D.
09.03.2020	54	24	14	28	1.6	N.D.
14.03.2020	51	28	11	26	1.4	N.D.
16.03.2020	57	26	19	24	1.2	N.D.
18.03.2020	55	23	17	27	1.5	N.D.

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

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

*Chandeving*  
PREPARED BY



For ULTIMATE ENVIROLYTICAL SOLUTIONS

*Chandeving*  
AUTHORIZED SIGNATORY

-----End of the Test report-----