

CENTRE FOR ENVOTECH AND MANAGEMENT CONSULTANCY PVT. LTD.

An ISO 9001-2015 & OHSAS 45001:2018 Certified Company, Empanelled with OCCL, ORSAC and SPCB of Govt. of Odisha Accredited by NABET, QCI for EIA Studies as 'A' Category Consultant Organization. Empanelled with PCCF(Wildlife) & CWLW, Odisha Enlisted in Construction Industry Development Council (CIDC) established by the Planning Commission (Govt. of India) MoEF&CC, Govt. of India, Recognised Environment Laboratory under Environment (Protection) Act, 1986 & NABL Accredited Laboratory



Certificate No.-TC 6646

Report no.-CEMC/SCL/030823/A1

Issued Date-03.08.2023

AMBIENT AIR QUALITY MONITORING TEST REPORT

Issued to	M/s. KKBL Mines ,Kutra,Sundargarh
Sample Description	Ambient Air Quality
Sample Drawn Period/ Time	Monthly
Sample Drawn by	B.N Pradhan
Sampling Location	Near Mine Office Area
Reference No.	CEMC-03082023A1
URL No.	TC664623000000516F
Instrument Used	Respirable Dust Sampler, Fine Dust Sampler, Gaseous Attachment

ANALYSIS RESULT

Date With code	PM ₁₀ ($\mu\text{g}/\text{m}^3$)	PM _{2.5} ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO _x ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)
03.07.23/85A	43.6	23.3	7.24	14.21	<0.1
06.07.23/94A	40.8	20.2	10.72	15.32	<0.1
10.07.23/107A	42.7	21.8	11.85	16.88	<0.1
13.07.23/116A	44.9	22.2	8.96	13.91	<0.1
18.07.23/135A	42.3	21.1	10.64	14.49	<0.1
21.07.23/145A	45.2	23.7	8.80	13.91	<0.1
25.07.23/160A	40.9	21.6	9.85	14.88	<0.1
28.07.23/174A	43.2	22.4	9.72	14.91	<0.1
Avg	42.95	22.04	9.72	14.81	--
NAAQ* Standard	100	60	80	80	4
Methods of Analysis	IS: 5182 (Part-23)	Gravimetric Method as per CPCB method	IS: 5182 (Part-2)	IS: 5182 (Part-6)	IS: 5182 (Part-10)

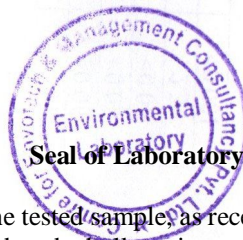
N.B- *NAAQ- National Ambient Air Quality Standard as per 18th Nov, 2009 Gatt. Notification.

END OF REPORT

Authorized Signatory

Notes:

- The result given above related to the tested sample as received. The customer asked for the above test only.
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Seal of Laboratory

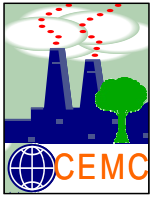
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Regd. Office: Plot No.-522/3458, Near Utkal Hyundai, Opposite Apex College, Pahal, Bhubaneswar-752101, Odisha, India, ,Mobile: 9861032826

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Certificate No.-TC 6646

Report no.-CEMC/SCL/030823/A2

Issued Date-03.08.2023

AMBIENT AIR QUALITY MONITORING TEST REPORT

Issued to	M/s. KKBL Mines ,Kutra,Sundargarh
Sample Description	Ambient Air Quality
Sample Drawn Period/ Time	Monthly
Sample Drawn by	B.N Pradhan
Sampling Location	Near Mine Main Gate
Weather Conditions	Clear
Reference No.	CEMC-03082023A2
URL No.	TC664623000000515F
Instrument Used	Respirable Dust Sampler, Fine Dust Sampler, Gaseous Attachment

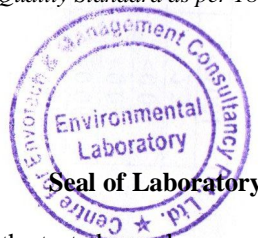
ANALYSIS RESULT

Date With code	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO _x (µg/m ³)	CO (mg/m ³)
03.07.23/84A	61.0	31.8	10.85	14.74	0.43
06.07.23/93A	60.8	30.2	11.72	15.79	0.39
10.07.23/106A	62.2	32.5	9.91	14.85	0.43
13.07.23/115A	56.0	33.9	10.08	15.93	0.32
18.07.23/134A	61.8	30.4	11.21	16.22	0.46
21.07.23/144A	54.28	33.8	11.43	15.56	0.31
25.07.23/159A	55.65	31.4	10.91	14.74	0.33
28.07.23/173A	59.31	33.2	10.72	15.85	0.39
Average	58.88	32.15	10.85	15.46	0.38
NAAQ* Standard	100	60	80	80	4
Methods of Analysis	IS: 5182 (Part-23)	Gravimetric Method as per CPCB method	IS: 5182 (Part-2)	IS: 5182 (Part-6)	IS: 5182 (Part-10)

N.B- *NAAQ- National Ambient Air Quality Standard as per 18th Nov, 2009 Gatt. Notification.

END OF REPORT

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Notes:

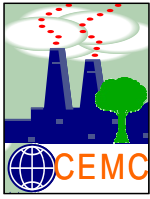
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Certificate No.-TC 6646

Report no.-CEMC/SCL/030823/A3

Issued Date-03.08.2023

AMBIENT AIR QUALITY MONITORING TEST REPORT

Issued to	M/s. KKBL Mines ,Kutra,Sundargarh
Sample Description	Ambient Air Quality
Sample Drawn Period/ Time	Monthly
Sample Drawn by	B.N Pradhan
Sampling Location	Near Mine pit-1
Weather Conditions	Clear
Reference No.	CEMC-03082023A3
URL No.	TC664623000000513F
Instrument Used	Respirable Dust Sampler, Fine Dust Sampler, Gaseous Attachment

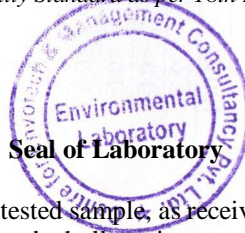
ANALYSIS RESULT

Date With Code	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO _x (µg/m ³)	CO (mg/m ³)
04.07.23/86A	51.6	25.9	5.82	9.76	<0.1
07.07.23/95A	50.8	25.2	6.76	10.78	<0.1
11.07.23/108A	51.4	26.5	8.94	12.82	<0.1
14.07.23/117A	50.9	24.9	9.21	13.98	<0.1
17.07.23/132A	53.3	26.4	6.21	11.26	<0.1
20.07.23/142A	52.7	26.8	5.46	10.52	<0.1
24.07.23/157A	54.2	27.4	8.95	13.78	<0.1
27.07.23/171A	51.4	25.2	7.74	12.88	<0.1
Average	52.04	26.04	7.39	11.97	--
NAAQ* Standard	100	60	80	80	4
Methods of Analysis	IS: 5182 (Part-23)	Gravimetric Method as per CPCB method	IS: 5182 (Part-2)	IS: 5182 (Part-6)	IS: 5182 (Part-10)

N.B- *NAAQ- National Ambient Air Quality Standard as per 18th Nov, 2009 Gatt. Notification.

***END OF REPORT**

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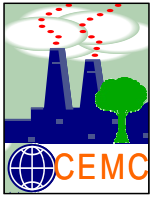
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Report no.-CEMC/SCL/030823/A4

Issued Date-03.08.2023

AMBIENT AIR QUALITY MONITORING TEST REPORT

Issued to	M/s. KKBL Mines ,Kutra,Sundargarh
Sample Description	Ambient Air Quality
Sample Drawn Period/ Time	Monthly
Sample Drawn by	B.N Pradhan
Sampling Location	Near Mine pit-2
Weather Conditions	Clear
Reference No.	CEMC-03082023A4
URL No.	TC664623000000514F
Instrument Used	Respirable Dust Sampler, Fine Dust Sampler, Gaseous Attachment

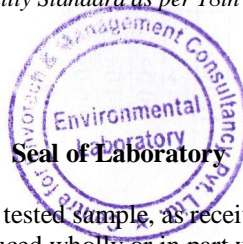
ANALYSIS RESULT

Date With Code	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO _x (µg/m ³)	CO (mg/m ³)
04.07.23/87A	60.6	31.6	8.72	12.66	<0.1
07.07.23/96A	58.8	30.2	10.66	14.72	<0.1
11.07.23/109A	64.4	33.5	11.82	15.82	<0.1
14.07.23/118A	61.9	32.9	9.12	13.66	<0.1
17.07.23/133A	63.3	33.4	8.32	12.54	<0.1
20.07.23/143A	66.7	34.8	7.46	11.82	<0.1
24.07.23/158A	59.2	29.4	6.84	10.44	<0.1
27.07.23/172A	63.4	33.2	5.64	10.38	<0.1
Average	62.29	32.38	8.57	12.76	--
NAAQ* Standard	100	60	80	80	4
Methods of Analysis	IS: 5182 (Part-23)	Gravimetric Method as per CPCB method	IS: 5182 (Part-2)	IS: 5182 (Part-6)	IS: 5182 (Part-10)

N.B- *NAAQ- National Ambient Air Quality Standard as per 18th Nov, 2009 Gatt. Notification.

***END OF REPORT**


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Notes:

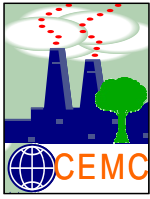
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Report no.-CEMC/SCL/030823/A5

Issued Date-03.08.2023

AMBIENT AIR QUALITY MONITORING TEST REPORT

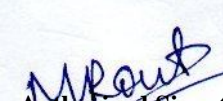
Issued to	M/s. KKBL Mines ,Kutra,Sundargarh
Sample Description	Ambient Air Quality
Sample Drawn Period/ Time	Monthly
Sample Drawn by	B.N Pradhan
Sampling Location	Khatkurbahal Village Area(Buffer Zone)
Weather Conditions	Clear
Reference No.	CEMC-03082023A5
URL No.	TC664623000000517F
Instrument Used	Respirable Dust Sampler, Fine Dust Sampler, Gaseous Attachment

ANALYSIS RESULT

Date With Code	PM ₁₀ ($\mu\text{g}/\text{m}^3$)	PM _{2.5} ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO _x ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)
05.07.23/88A	51.6	27.4	7.42	11.66	<0.1
08.07.23/97A	56.2	28.6	8.76	12.82	<0.1
12.07.23/110A	52.6	24.8	6.82	10.88	<0.1
15.07.23/119A	60.2	31.4	9.12	13.92	<0.1
19.07.23/136A	56.3	29.0	10.28	15.28	<0.1
22.07.23/146A	52.8	27.6	7.48	11.62	<0.1
26.07.23/161A	60.6	31.2	10.84	14.64	<0.1
29.07.23/175A	61.8	32.0	11.66	15.76	<0.1
Average	56.51	29.00	9.05	13.32	--
NAAQ* Standard	100	60	80	80	4
Methods of Analysis	IS: 5182 (Part-23)	Gravimetric Method as per CPCB method	IS: 5182 (Part-2)	IS: 5182 (Part-6)	IS: 5182 (Part-10)

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