



**TEST REPORT**

**ANACON LABORATORIES PVT. LTD.**

ISO 9001:2015, ISO 14001:2015, OHSAS 18001 Certified Organization,  
 Recognized By Ministry of Environment & Forests (MoEF), New Delhi  
 Accredited By Quality Council of India by NABET - Environment: Impact Assessment Studies  
 Authorised by Food Safety & Standards Authority of India Under FSS Act  
 Approved by Bureau of Indian Standards (BIS)

**AIR MONITORING ANALYSIS REPORT**

Report No.:-	AN/AA/HCT./2019-20/103	Report Date:-	06.06.2019
Name of Client:-	M/s Hindustan Copper Limited (Malanjikhand Copper Project)	Address:-	P.O. Malanjikhand-481 116, Dist:- Balaghat ( M.P.)
Type of Work:-	Ambient Air Monitoring (May-2019)	Sample Ref.No. :-	1920/Mon- 69-1 to 11
Sample Drawn By:	Anacon Representative	Sample Received Date	03.06.2019
Date of Analysis:-	03.06.2019 To 04.06.2019	Testing Period	01 Day

Sr. No.	LOCATION	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>x</sub> µg/m <sup>3</sup>	CO mg/m <sup>3</sup>
Method			IS:5182 (Part 23)	CPCB Guidelines Volume1	IS:5182 (Part 2)	IS:5182 (Part 6)	IS:5182 (Part 10)
1.	Intake Pump House	27.05.2019	49.4	16.6	6.5	16.7	0.288
2.	Pouni Village	27.05.2019	66.3	32.6	9.9	25.6	0.373
3.	D.G.Sets	28.05.2019	68.8	33.7	12.7	28.1	0.413
4.	Mines Office	28.05.2019	59.8	27.8	9.5	22.4	0.407
5.	Secondary Crusher	28.05.2019	66.4	32.4	12.2	23.7	0.413
6.	Mines Open Pit	29.05.2019	53.7	24.4	7.0	17.8	0.355
7.	Primary Crusher	29.05.2019	55.2	16.8	8.3	22.4	0.301
8.	Leaching Plant	29.05.2019	58.7	26.8	8.9	25.4	0.324
9.	Township	30.05.2019	53.0	17.3	8.4	18.8	0.294
10.	Tailing Pond Pump House	30.05.2019	47.3	15.1	6.6	17.4	0.213
11.	Borkhera Village	30.05.2019	63.4	28.0	9.7	27.6	0.362
<b>CPCB Standards</b>			<b>100</b> (24 hrs)	<b>60</b> (24 hrs)	<b>80</b> (24 hrs)	<b>80</b> (24 hrs)	<b>2.0</b> (8 hrs)

Thanks for utilizing our services.

Chemist: *S.S. Nigam*

*S. S. Nigam*  
 Authorized Signatory

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 Branches : Maharashtra | Chhattisgarh | Madhya Pradesh | Jharkhand | Delhi



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**AIR MONITORING ANALYSIS REPORT**

Report No.:-	AN/AA/HCL/2019-20/472	Report Date:-	28/11/2019
Name of Client:-	M/s Hindustan Copper Limited (Malanjkhand Copper Project)	Address:-	P.O. Malanjkhand-481116. Dist:- Balaghat ( M.P.)
Type of Work:-	Ambient Air Monitoring (November-2019)	Sample Ref.No. :-	1920/Mon- 324-1 to 11
Sample Drawn By:	Anacon Representative	Sample Received Date	26.11.2019
Date of Analysis:-	27.11.2019 to 28.11.2019	Testing Period	01 Day

Sr. No.	LOCATION	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>x</sub> µg/m <sup>3</sup>	CO mg/m <sup>3</sup>
Method			IS:5182 (Part 23)	USEPA-40 (Part 50)	IS:5182 (Part 2)	IS:5182 (Part 6)	IS:5182 (Part 10)
1.	Township	21.11.2019	54.3	16.4	7.3	17.9	0.273
2.	Pouni Village	21.11.2019	62.8	24.7	9.1	21.8	0.304
3.	Tailing Pond Pump House	21.11.2019	56.1	19.3	7.6	18.4	0.237
4.	Mines Open Pit	22.11.2019	64.9	28.1	11.4	23.1	0.359
5.	Secondary Crusher	22.11.2019	68.3	31.6	12.9	27.2	0.403
6.	D.G.Sets	22.11.2019	57.1	26.4	9.3	21.8	0.381
7.	Leaching Plant	23.11.2019	54.2	21.2	7.4	16.9	0.294
8.	Primary Crusher	23.11.2019	61.8	19.6	9.1	19.3	0.302
9.	Borkhera Village	23.11.2019	52.7	17.3	6.8	16.4	0.271
10.	Intake Pump House	24.11.2019	46.3	16.1	6.2	17.1	0.254
11.	Mines Office	24.11.2019	58.1	23.7	7.1	21.9	0.301
CPCB Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Thanks for utilizing our services.

Chemist: *[Signature]*

*[Signature]*  
Authorized Signatory

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 Support Helpline : Technical (9373287476), Accounts Division (9320860081, 9372960078), Administration (9372960078)  
 Email : support@anacn.in. You may also visit us at www.anacnlabsonline.com  
 Branches : Maharashtra | Chhattisgarh | Madhya Pradesh | Jharkhand | Delhi



**HINDUSTAN COPPER LIMITED**  
Malanjkhand Copper Project

958/19  
15.05.19

# NS-1 #

07059  
15/05/2019

Sub: Re- Constitution of Sustainable Development Unit

Ref: Constitution of SDU at Mine level for Malanjkhand Copper Project, team of Mine management comprising of Technical, Financial, CSR, HRD, Environment for ensuring implementation of SDF principles.

Consequent of transfers/ relocation of various official, It is proposed to re-constitution Sustainable Development Unit at mine level for Malanjkhand Copper Project. The members proposed are as under:-

S.No.	Name	Designation	Capacity
1.	Shri Rajeev Chordia	DGM (Civil)	Chairman
2.	Shri M.C.Katara	DGM (Mines)	Secretary
3.	Shri Ajay Verma	DGM (Elect.)	Member
4.	Shri H.K.Verma	DGM (Finance)	Member
5.	Shri Adwait Kumar	DGM (Electrical)	Member
6.	Shri S.R.Gour	DGM (Concentrator)	Member
7.	Shri Nagesh G. Shenoy	DGM (Mines)-UG	Member
8.	Shri K.R. Hansdah	AGM (Mines)-Opm.	Member
9.	Shri B.K. Gupta	AGM (Mines)-Env.	Member
10.	Shri J. Mukhopadhyay	AGM (Mechanical)	Member
11.	Dr. R.K. Bala	AGM (Medical & HS)	Member
12.	Shri Praveen Dave	AGM (Mines)	Member
13.	Shri Manish Arun Gevei	AGM (Civil)	Member
14.	Shri R.D.Bhagat	CM (Exploration)	Member
15.	Shri M.L.Bhagat	Sr. Manager (Survey)	Member
16.	Shri Narendra Goswami	Manager (Exploration)	Org.Secretary
17.	Shri Anjun Lohara	Manager (HR)	Member
18.	Shri H.S. Panigrahi	Dy.Manager (HR)-CSR	Member

Submitted for perusal and approval, please.

*N. Goswami*  
15.05.2019  
(N. Goswami)

CM (Exploration)

*R.D. Bhagat*  
15/05/2019  
R.D. Bhagat  
Chief Manager (Expl)

NARENDRA GOSWAMI  
Manager (Expl.)

AGM (Mines)

May please be approved.

DGM (Mines)

*M.C. Katara*  
15.5.19  
M.C. KATARE  
D.G.M (Mines)  
HCL / MCP

*B.K. Gupta*  
16/5/2019  
B.K. Gupta  
AGM (Mines)

DGM (Civil)

GMM/MCP

*V. Kumar Singh*  
22/05/19  
V. Kumar Singh  
MCP

AGM (M) - B.K.G.

OFFICE OF DGM (MINE)  
DOCUMENT RECEIVED ON  
22/05/19

22 MAY 2019  
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22-5-19