

NABL ACCREDITED LABORATORY, CHENNAL REG NO. T -2646

Shaw Wallace Building, Old No. 54, new No. 319, 2nd Floor

Thambu Chetty Street, Chennai- 600001

Ph. No. +91-444-2166178

Email: customercare@kcsgroup.co, web: www.kcsgroup.co

Date: 12.12.2015

REKEWISE ANALYSIS RESULTS OF SAMPLES DRAWN BY THIRD PARTY DURING THE PERIOD OF: 05.12.2015

ANALYSIS REPORT

NAME OF COAL COMPANY

:- Mahanadi Coalfields Limited

AREA

:- I.B VALLY

ANALYSIS LABORATORY

:- NABL Lab Chennai

NO.	SIDING/COLLIERY		DATE OF LOADING	NO OF Wgs.	Rake NO./TR	F. Note No.			DESTINATION PHs/ CONSUMER	SAMPLE COLLECTION DATE	T.M	Analysis result on Equilibrated condition of 60% RH 40°c Temp/GCV/ADB					
10.5							NO.	DATE				M%	Ash %	GCV	VM	Grade	
01.	02.	03.	04.	05.	06.	E. B. INTER	08.	09.	11.	12.	18.	19.	20.	21.	23.	24.	
01	LOCM I/IBV.OCP	G-13,	05.12.2015	59		610345	162000530	06.12.2015	DPL	05.12.2015	12.33	6.35	42.26	3521 ·	21.15	(G-13)	

K. C. Sharma & Co.

- 1. Samples received for analysis were sealed and jointly signed at mined ends
- 2. Proximate analysis has been done in accordance with BIS specification IS 1350 (Part I), 1984 & IS:1350 (Part II), 1970 for determination of GCV
- 3. Wagon statement and checklists are enclosed
- 4. For Road, Ropeway, Belt, Pipe line etc. statement to be fumished separately.

CC to:-

- 1. Concerned Area SM (QC)
- 2. Office of the GM (QC) Coal Co,
- 3. Consumer

This inspection has been performed on the goods for which it was requested according to our professional standards and to the best of our knowledge on the date and at the place it was preformed, within the scope of instruction received. This inspection does not release sellers and /or other parties involved from their respective contractual obligation and does not prejudice the buyers/recevers right to claim, under applicable law and contract, compensation from sellers(s)/supplier(s)/shipper(s) regarding any defects during our inspection or accurring thereafter. Heading and titles in this certificates are for reference and the findings contained herein prevailed as stated.

Authorized Signatory

Chief Chemist
K. C. Shama & Co.
NABL Lab Chenai



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Email: customercare@kcsgroup.co, web: www.kcsgroup.co

Date: 13.12.2015

REKEWISE ANALYSIS RESULTS OF SAMPLES DRAWN BY THIRD PARTY DURING THE PERIOD OF: 06.12.2015

ANALYSIS REPORT

NAME OF COAL COMPANY

:- Mahanadi Coalfields Limited

AREA

:- LAKHANPUR

ANALYSIS LABORATORY

:- NABL Lab Chennai

100000	SIDING/COLLIERY	SIZED AND DECLARED GCV/GRADE	DATE OF LOADING	NO OF Wgs.	Rake NO./TR	F. Note No.	RAILWAY		PHs/	SAMPLE COLLECTION DATE	T.M		dition of B			
			1.45 .434				NO.	DATE				M%	Ash %	GCV	VM	Grade
01.	02.	03.	04.	05.	06.	History	08.	09.	11.	12.	18.	19.	20.	21.	23.	24.
. 01	BOCM-2/LKP.OCP	G-13	06.12.2015	58		314	162000605	06.12.2015	DPL	06.12.2015	15.34	6.32	41.45	3458	21.32	G-13

- 1. Samples received for analysis were sealed and jointly signed at mined ends
- 2. Proximate analysis has been done in accordance with BIS specification IS 1350 (Part I), 1984 & IS:1350 (Part II), 1970 for determination of GCV
- 3. Wagon statement and checklists are enclosed
- 4. For Road, Ropeway, Belt, Pipe line etc. statement to be fumished separately.

CC to:-

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- 2. Office of the GM (QC) Coal Co,
- 3. Consumer

This inspection has been performed on the goods for which it was requested according to our professional standards and to the best of our knowledge on the date and at the place it was preformed, within the scope of instruction received. This inspection does not release sellers and /or other parties involved from their respective contractual obligation and does not prejudice the buyers/recevers right to claim, under applicable law and contract, compensation from sellers(s)/supplier(s)/shipper(s) regarding any defects during our inspection or accurring thereafter. Heading and titles in this certificates are for reference and the findings contained herein prevailed as stated.

K. C. Sharma & Co.

Authorized Signatory Chief Chemist K. C. Sharna & Co. NABL Lab Chenai



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Thambu Chetty Street, Chennai- 600001 Ph. No. +91-444-2166178

Email: customercare@kcsgroup.co, web: www.kcsgroup.co

Date: 14.12.2015

REKEWISE ANALYSIS RESULTS OF SAMPLES DRAWN BY THIRD PARTY DURING THE PERIOD OF : 07.12.2015

NAME OF COAL COMPANY

:- Mahanadi Coalfields Limited

AREA

:- B.G AREA

ANALYSIS LABORATORY

:- NABL Lab Chennai

	SIDING/COLLIERY		DATE OF LOADING	NO OF Wgs.	Rake NO./TR	F. Note	RAILWAY	RECEIPT	DESTINATION	SAMPLE		Analys				
		GCV/GRADE							PHs/ CONSUMER	COLLECTION DATE	T.M	Allalys	60% RH 4	n Equilibr 0°c Temp,	ated cond /GCV/AD	dition of B
01.	O2. KANIKA/BW.OCP	03. G-11	04. 07.12.2015	· 05.	06.		NO. 08.	DATE 09.	11.	12.	18.	M%	Ash %	GCV	VM	Grade
1. San 2. Pro (Par	nples received for an ximate analysis has b	alysis were seal	ed and jointl cordance wit	ly signed :	at mined e		<b>一大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大</b>	07.12.2015	DPL	07.12.2015	14.26	6.29	40.36	21. 4136 K. C. S	23. 22.23 Sharma &	24. G-11

ANALYSIS REPORT

2. Proximate analysis has been done in accordance with BIS specification IS 1350 (Part - I), 1984 & IS:1350 (Part - II), 1970 for determination of GCV

3. Wagon statement and checklists are enclosed

4. For Road, Ropeway, Belt, Pipe line etc. statement to be fumished separately.

CC to:-

1. Concerned Area SM (QC) ·

2. Office of the GM (QC) Coal Co,

3. Consumer

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Authorized Signatory Chief Chemist K. C. St - na & Co. NABL Lab Chenai



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Email: customercare@kcsgroup.co, web: www.kcsgroup.co

Date: 15.12.2015

REKEWISE ANALYSIS RESULTS OF SAMPLES DRAWN BY THIRD PARTY DURING THE PERIOD OF : 08.12.2015

ANALYSIS REPORT

NAME OF COAL COMPANY

:- Mahanadi Coalfields Limited

AREA

:- LAKHANPUR

ANALYSIS LABORATORY

:- NABL Lab Chennai

200000	SIDING/COLLIERY	SIZED AND DECLARED GCV/GRADE	DATE OF LOADING	NO OF Wgs.	Rake NO./TR	F. Note No.	RAILWAY	RAILWAY RECEIPT DE PH		SAMPLE COLLECTION DATE	T.M	THE REAL PROPERTY.	Analysis result on Equilibrated condition of 60% RH 40°c Temp/GCV/ADB					
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	100				· NO.	DATE				M%-	Ash %	GCV	VM	Grade		
01.	02.	03.	04.	05.	06.		08.	09.	11.	12.	18.	19.	20.	21.	23.	24.		
01	BOCM-2/LKP.OCP	G-13	08.12.2015	59		330	162000606	08.12.2015	DPL	08.12.2015	15.30	6.18	41.72	3435	21.06	G-13		

- 1. Samples received for analysis were sealed and jointly signed at mined ends
- 2. Proximate analysis has been done in accordance with BIS specification IS 1350 (Part I), 1984 & IS:1350 (Part II), 1970 for determination of GCV
- 3. Wagon statement and checklists are enclosed
- 4. For Road, Ropeway, Belt, Pipe line etc. statement to be fumished separately.

Authorized Signatory
Chief Chemist
K. C. Sl. -- na & Co.
NABL Lab Chenai

K. C. Sharma & Co.

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Email: customercare@kcsgroup.co, web: www.kcsgroup.co

Date: 06.01.2016

REKEWISE ANALYSIS RESULTS OF SAMPLES DRAWN BY THIRD PARTY DURING THE PERIOD OF : 30.12.2015

**ANALYSIS REPORT** 

NAME OF COAL COMPANY

:- Mahanadi Coalfields Limited

AREA

:- LAKHANPUR

ANALYSIS LABORATORY

:- NABL Lab Chennai

NO.	NAME OF SIDING/COLLIERY LOADING POINT	SIZED AND DECLARED GCV/GRADE		NO OF Wgs.	Rake NO./TR	F. Note No.	RAILWAY	RECEIPT	DESTINATION PHs/ CONSUMER	SAMPLE COLLECTION DATE	T.M	Analys	is result of 60% RH 40	n Equilibr O°c Temp,	ated con /GCV/AD	dition of B
01.	02.						NO.	DATE				D.404	Ea Lay I			
		03.	04.	05.	06.		08.	09.	11			M%	Ash %	GCV	VM	Grade
01	BOCM-6/LKP.OCP	G-13	30.12.2015	58	1 101 101	857			11.	12.	18.	19.	20.	21.	23.	24.
			2 40 2 1			03/	162000903	31.12.2015	DPL	30.12.2015	15.40	6.38	42.19	3433	21.35	G-13

- 1. Samples received for analysis were sealed and jointly signed at mined ends
- 2. Proximate analysis has been done in accordance with BIS specification IS 1350 (Part I), 1984 & IS:1350 (Part II), 1970 for determination of GCV
- 3. Wagon statement and checklists are enclosed
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K. C. Sharma & Co.

Authorized Signatory
Chief Chemist
K. C. Signature & Co.

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Date: 07.01.2016

REKEWISE ANALYSIS RESULTS OF SAMPLES DRAWN BY THIRD PARTY DURING THE PERIOD OF: 31.12.2015

ANALYSIS REPORT

NAME OF COAL COMPANY

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:- Mahanadi Coalfields Limited

AREA

ANALYSIS LABORATORY

:- LAKHANPUR

:- NABL Lab Chennai

NO.	NAME OF SIDING/COLLIERY LOADING POINT	SIZED AND DECLARED GCV/GRADE	DATE OF LOADING	NO OF Wgs.	Rake NO./TR	F. Note No.	DESTINATION DAMEE					Analysis result on Equilibrated condition o 60% RH 40°c Temp/GCV/ADB					
							NO.	DATE	1			M%	Ash %	GCV	VM	Grade	
01.	02.,	03.	04.	05.	06.		. 08.	09.	11.	12.	18.	19.	20.	21.	23	24.	
01	BOCM-7/LKP.OCP	G-13	31.12.2015	57		858	162000904	31.12.2015	DPC	31.12.2015	15.48	6.66	42.56	3562	21.72	G-13	

- 1. Samples received for analysis were sealed and jointly signed at mined ends
- 2. Proximate analysis has been done in accordance with BIS specification IS 1350 (Part I), 1984 & IS:1350 (Part II), 1970 for determination of GCV
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8:

K. C. Sharma & Co.

Authorized Signatory Chief Chemist K. C. St. na & Co. NABL Lab Chenai