

To The G.M. (B.C.)
Sanctore (H.O.)
Ref: 2-08 for L/485

A/C C.E.S.C. L-17
Page 1 of 14

Date - 26/05/15

K.C. SHARMA & CO.

RAKEWISE ANALYSIS RESULTS OF SAMPLES DRAWN BY THIRD PARTY DURING THE PERIOD OF: APRIL '2015
LOADING END ANALYSIS REPORT FOR DISTRIBUTION

Name of the Coal Company - ECL
Area - Pandaveswar
Analysis laboratory - Pandaveswar area Laboratory.

Consumer :- C.E.S.C.

Sl No	Name of colliery/ siding	Declared Grade	Dt. of Ldt.	No. of Box	Rake No	F. No.		R.R. Qty.	Destination PHIS./Consumer	Sample collection date	TM %	Analysis result on equilibrated condition of 60% RH 40°C temp /SCV			
						No.	Date					MM%	Ash%	GCV	
1	South Samla	G-4	09.04.15	1	3F	047400	09.04.15	63.09	BBS	09.04.15	10.7	6.20	16.10	6147	G-4
2	South Samla	G-4	11.04.15	2	2E	047401	11.04.15	139.50	TGS	11.04.15	10.9	6.40	15.90	6138	G-4
3	South Samla	G-4	16.04.15	1	4F	047406	16.04.15	62.32	TGS	16.04.15	10.8	6.30	15.70	6164	G-4
4	South Samla	G-4	18.04.15	2	6F	047408	18.04.15	141.70	TGS	18.04.15	10.7	6.40	15.70	6153	G-4
5	South Samla	G-4	20.04.15	1	7F	047410	20.04.15	64.57	TGS	21.04.15	10.8	6.10	16.40	6129	G-4
6	South Samla	G-4	22.04.15	1	3F	047412	22.04.15	65.09	SGS	22.04.15	10.5	6.30	15.20	6223	G-4
7	South Samla	G-4	23.04.15	1	8E	047414	23.04.15	68.10	TGS	23.04.15	10.7	6.20	15.80	6187	G-4
8	South Samla	G-4	24.04.15	1	4D	047415	24.04.15	64.72	SGS	24.04.15	10.8	6.40	15.50	6277	G-4
9	South Samla	G-4	25.04.15	1	10E	047416	25.04.15	64.50	TGS	25.04.15	10.6	6.50	15.20	6200	G-4
10	South Samla	G-4	26.04.15	1	11F	047417	26.04.15	59.22	TGS	26.04.15	10.7	6.40	15.00	6264	G-4
11	South Samla	G-4	27.04.15	1	5E	047418	27.04.15	62.82	SGS	27.04.15	10.9	6.30	15.30	6227	G-4
12	South Samla	G-4	29.04.15	1	6F	047419	29.04.15	66.52	SGS	29.04.15	10.8	6.40	15.70	6188	G-4

1. Samples received for analysis were sealed and jointly signed at loading 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. Wagons statement are enclosed
4. For Road, Ropeway, Belt, Pipe line etc. statement to be 'unished separately.

Date:

J.K. Panda
Signature of Rep.
Name: J.K. Panda
Chemist
Pandaveswar Area Laboratory
(Pandaveswar Area), E.C.L.

J.K. Panda
Signature of Rep. / Signed Signatory
Name: J.K. Panda
For Geo-Chem Laboratories (P) Ltd.



Amito Ruidas
Signature of Rep.
Name: Amito Ruidas

RECEIVED
JAMES SHARMA (P) LTD. C. D. DEWETI.
E. A. P. S. HANOVERI E. C. L. H. O.
PHONE NO. 28/05/15
7-10-10-10
NECESSARY NO. 104

A/c - CESE Ltd.
Page 2 of 14

K. C. Sharma & Co.

Head office: 16, Advance Apartment, Post No. 134
Ward - 12/C, Lashah Nagar, Gandhinagar (Kanchhi) 370 201
Telephone: 02836-224300, Mob: 97532 58365, 94757 14840

Annexure - IV

Date: April-2015

REKWISE ANALYSIS RESULTS OF SAMPLES DRAWN BY THIRD PARTY DURING THE PERIOD OF : April-2015
LOADING END ANALYSIS REPORT FOR DISTRIBUTION

NAME OF COAL COMPANY: Eastern Coalfields Ltd. Consumer: CESE Ltd.

AREA: Jhargana

ANALYSIS LABORATORY: Jhargana

SL NO	Name of Siding/ Colliery/ Loading Point	Size and Declined GCV/Grade	Date of Loading	No. of Wags	Rake No	Railways Receipt		Qty. as Per RR	Destination PHS/ Consumer	Sample Collection Date	TM%	Analysis Result On E-sulfurated Condition of 60% RH 40 C Temp/ICCV / ADB				
						No	Date					M%	AsH%	GCV	Grade	F. Note No
1	Jhargana-34	G-5	08-04-15	07	01A	162001176	09-04-15	437.19	GHS	08-04-15	10.7	6.2	19.5	5347	G-5	C45178
2	Jhargana-1/2	G-5	"	07	01B	162001175	"	460.91	"	"	10.6	6.4	18.9	5895	G-5	045177
3	Jhargana-NIC	G-4	"	45	01C	162001174	"	297.75	"	"	10.7	6.1	16.4	6151	G-4	045200
4	Jhargana-34	G-5	09-04-15	05	01A	161004816	10-04-15	315.35	BGB	09-04-15	10.7	6.2	19.3	5868	G-5	045204
5	Jhargana-1/2	G-5	"	04	01B	161004820	"	257.86	"	"	10.9	6.5	18.8	5385	G-5	045205
6	Jhargana-NIC	G-4	"	45	01C	161004815	"	2896.16	"	"	10.7	6.3	16.3	6145	G-4	045206
7	Jhargana-1/2	G-5	11-04-15	10	01A	161004825	12-04-15	508.20	TGS	11-04-15	10.7	6.4	17.4	5846	G-5	045207
8	Jhargana-NIC	G-4	"	40	01B	161004822	"	2752.60	"	"	10.8	6.2	16.4	6141	G-4	045208

1. Sample received for analysis were sealed and jointly signed at loading ends
2. Proximate analysis has been done in accordance with BIS specification IS 1350 (Part-1), 1964 & IS 1350 (Part-2), 1970 for determination of GCV.
3. Wagon statements are enclosed.
4. For Road, Ropeways, Belt, Pige Line etc., Statement to be furnished separately.

K.C. Sharma & Co.
Authorised Signatory

Signature of Rep. Name: Kanchhi Das
Name of Purchase/ Consumer: CESE Ltd.

For Geo-Chem Laboratories (P) Ltd.
Authorized Signatory

Signature of Rep. Name: Jhargana Area Laboratory
Name of Purchase/ Consumer: Jhargana

Signature of Rep. Name: Jhargana Area Laboratory
Name of Coal Co.: Jhargana

K. C. Sharma & Co.

Head office: 16, Adarsh Apartment, Plot No.134
Ward - 12C, Ula Shah Nagar Gandhinagar (Kachhi) 37L 201
Telefax: 02836-224300, Mob.: 93952-58385, 94257-14840

Annexure - IV

PEKEWISE ANALYSIS RESULTS OF SAMPLES DRAWN BY THIRD PARTY DURING THE PERIOD OF: April - 2015 Date: _____

LOADING END ANALYSIS REPORT FOR DISTRIBUTION

NAME OF COAL COMPANY: Eastern Coalfields Ltd. Consumer: C.E.S.C. Ltd.

AREA: Jhargana

ANALYSIS LABORATORY: Jhargana

Sl. No	Name of Siding/ Colliery/Loading Point	Size and Declared GCV/Grade	Date of Loading	No. of Wags.	Rate No	Railways Receipt		Qty. as Per RR	Destination: PHS/ Consumer	Sample Collected Date	TMS	Analysis Results On Equilibrated Condition of 80% RH 40°C Temp/GCV / ADB				
						No	Date					M%	Ash%	GCV	Grade	F. Note No
1	2	2	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1.	Jhargana-1/2	G-5	12-04-15	10	02A	161004827	13-04-15	650.80	TGS	12-04-15	10.6	6.2	19.5	5881	G-5	045211
2.	Jhargana-MIE	G-4	"	45	02B	161004828	"	2777.60	"	"	10.8	6.4	15.9	6159	G-4	045212
3.	Jhargana-3/4	G-5	16-04-15	04	03A	161004843	19-04-15	260.33	TGS	16-04-15	10.8	6.3	19.0	5889	G-5	045224
4.	Jhargana-1/2	G-5	"	05	03B	161004844	"	382.25	"	"	11.0	6.5	19.3	5822	G-5	045225
5.	Jhargana-MIE	G-4	"	45	03C	161004839	"	2940.77	"	"	10.8	6.2	15.9	6173	G-4	045226
6.	Jhargana-3/4	G-5	18-04-15	04	04A	161004853	19-04-15	283.80	TGS	18-04-15	11.1	6.3	19.4	5855	G-5	045230
7.	Jhargana-1/2	G-5	"	08	04B	161004854	"	501.20	"	"	10.9	6.0	19.4	5884	G-5	045231
8.	Jhargana-MIE	G-4	"	40	04C	161004852	"	2839.40	"	"	10.9	6.4	15.8	6180	G-4	045232

1. Sample received for analysis were sealed and jointly signed at loading end.
2. Proximate analysis has been done in accordance with BIS specification IS: 1558 (Part - I), 1984 & IS - 1350 (Part - II), 1976 for determination of GCV.
3. Wagon statement are enclosed.
4. For Road, Ropeway, Belt, Pipe Line etc. Statement to be furnished Separately.

K.C. Sharma & Co
Authorised Signatory

Signature of Rep.

Signature of Rep.

Signature of Rep.

Signature of Rep.
Name: Jhargana Area Laboratory
Name of Coal Co.:

Signature of Rep.
Name: K.C. Sharma
Name of Coal Co.:

Signature of Rep.
Name: K.C. Sharma
Name of Coal Co.:



K. C. Sharma & Co.

Head office: 16, Advance Apartment, Plot No. 134
Ward - 12C, Laxmi Nagar, Gandhinagar (Kolkata) 700 201
Tel: 033-24330, Mob: 9752 56365, 94267 14640

Annexure - IV

REKEMISE ANALYSIS RESULTS OF SAMPLES DRAWN BY THIRD PARTY DURING THE PERIOD OF: April-2015
LOADING END ANALYSIS REPORT FOR DISTRIBUTION

NAME OF COAL COMPANY: Eastern Coalfields Ltd. Changra
AREA: Changra
ANALYSIS LABORATORY: Jhargana
Comments: CESE.Ltd.

Date: April-2015

Sl. NO	Name of Siding/ Colliery/Loading Point	Size and Declared GCV/Grade	Date of Loading	No of Wags	Rate No	Railways Receipt		Qty. as Per RR	Destination Pinal Consumer	Sample Collection Date	T1%	Analysis result on Equilibrated Condition of 80% RH at 30°C Temp(GCV /ADB)				
						No	Date					M%	Ash%	GCV	Grade	I. Note No
1			4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	Jhargana-3/y	G-5	20-04-15	05	05A	161004864	20-04-15	310.11	TGS	20-04-15	10.8	6.2	19.3	5878	G-5	045236
2	Jhargana-1/2	G-5	"	10	05B	161004866	"	612.90	"	"	11.1	6.1	19.1	5895	G-5	045227
3	Jhargana-ME	G-4	"	40	05C	161004865	"	2590.72	"	"	10.7	6.3	16.2	6154	G-4	045238
4	Jhargana-3/y	G-5	22-04-15	05	02A	162001202	23-04-15	331.83	SGS	22-04-15	10.9	6.2	19.7	5343	G-5	045241
5	Jhargana-1/2	G-5	"	11	02B	162001204	"	715.87	"	"	10.7	6.5	18.9	5863	G-5	045242
6	Jhargana-ME	G-4	"	40	02C	162001205	"	2632.18	"	"	11.0	6.4	16.2	6143	G-4	045243
7	Jhargana-3/y	G-5	23-04-15	04	06A	161004882	24-04-15	251.58	TGS	23-04-15	11.0	6.2	19.8	5845	G-5	045246
8	Jhargana-1/2	G-5	"	10	06B	161004879	"	585.91	"	"	10.6	6.4	18.8	5896	G-5	045247
9	Jhargana-ME	G-4	"	40	06C	161004881	"	2512.87	"	"	11.0	6.3	16.4	6135	G-4	045248

1. Sample received for analysis were sealed and jointly signed at loading ends.
2. Proximate analysis has been done in accordance with IS 1350 specification - 1350 (Part-1), 1984 & IS : 1350 (Part-2), 1970 for determination of GCV.
3. Wagon statement are enclosed.
4. For Road, Ropeway, Belt, Pipe Line etc. Statement to be furnished Separately.

Distribution: Coal Company
Concerned Area SM (OC)
Name of the CW (OC) Coal Co
Purchase - Consumer

Signature of Rep. [Signature] Sr. Chemist
Name Jhargana Area Laboratory
Name of Coal Co

Signature of Rec. [Signature]
Name
Name of Purchaser/Consumer

For Geo-Chem Laboratories Ltd.
Authorized Signatory [Signature]
Name Prinmesh Das
Signature of Rec. [Signature]
Name Prinmesh Das
Name of 3rd Party



A/c - CESE LTD.
Page 5 of 14

K. C. Sharma & Co.

Head office: 16, Adarsh Apartment, Plot No.134
Ward - 12C, Laxmi Nagar, Saraiyaham (Kanchi) 370 201
Telefax: 0836-224300, Mob: 9752 55365, 94267 14640

Annexure - IV

RE KEWISE ANALYSIS RESULTS OF SAMPLES DRAWN BY THIRD PARTY DURING THE PERIOD OF : April - 2015
LOADING END ANALYSIS REPORT FOR DISTRIBUTION

NAME OF COAL COMPANY : Eastern Coal Fields Ltd. CESE Ltd.
AREA : Jharkhand
ANALYSIS LABORATORY : Jharkhand

Sl. No.	Name of Siding/ Colliery/Loading Point	Size and Decided GCV/Grade	Date of Loading	No of Wags.	Rake No.	Railways Receipt		Qty. as Per RR	Destination PHA Consumer	Sample Collection Date	TN%	Analysis Result On Substituted Condition of 60% RH, 40°C Temp/GCV / ADB				
						No	Date					W%	Ash%	GCV	Gr-ade	E No: No
1		Q-5		5	6	7	8	9	10	11	12	13	14	15	16	17
1	Jharkhand-3/4	Q-5	24-04-15	05	03A	162001211	25-04-15	221.50	S/S	24-04-15	10.7	6.5	19.1	5858	Q-5	048750
2	Jharkhand-1/2	Q-5	"	13	03B	162001210	"	844.70	"	"	10.9	6.1	19.7	5364	Q-5	048750
3	Jharkhand-ME	Q-4	"	39	03C	162001209	"	2530.02	"	"	10.7	6.2	16.5	6139	Q-4	048751
4	Jharkhand-3/4	Q-5	24-04-15	05	07A	161004885	25-04-15	341.65	M/S	24-04-15	10.8	6.5	19.1	5855	Q-5	048752
5	Jharkhand-ME	Q-4	"	51	07B	161004884	"	3353.57	"	"	10.9	6.2	19.3	5880	Q-5	048753
6	Jharkhand-3/4	Q-5	25-04-15	05	08A	161004892	26-04-15	338.10	M/S	25-04-15	10.7	6.5	18.6	5703	Q-5	048754
7	Jharkhand-1/2	Q-5	"	20	08B	161004891	"	647.50	"	"	10.6	6.3	19.3	5869	Q-5	048755
8	Jharkhand-ME	Q-4	"	40	08C	161004889	"	2672.60	"	"	10.8	6.2	16.4	6154	Q-4	048756

1. Sample received for analysis were sealed and jointly signed at loading ends
2. Proximate analysis has been done in accordance with BIS specification IS 1350 (Part-1), 1984 & IS 1350 (Part-2), 1970 for determination of GCV.
3. Wagon statement are enclosed.
4. For Road, Ropeway, Belt, Pipe Line etc. Statement to be furnished Separately.

K. C. Sharma & Co.
Authorised Signatory

Signature of Rep. [Signature]
Name K. C. Sharma
Name of Pur. user/ Consumer K. C. Sharma & Co.

For Des-chem Laboratories (P) Ltd.

Signature of Rep. [Signature]
Name [Name]
Name of Pur. user/ Consumer [Name]

Signature of Rep. [Signature]
Name Sr. Chemist
Name of Coal Co. Jharkhand Area Laboratory

Distribution : Coal Company
Enclosed Area 5% (GC)
of the GC (GC) Coal Co.
Purchase / Consumer

A/c - CESE Ltd.
Page 6 of 14



K. C. Sharma & Co.

Head office: 15, Awa no Apartment, Plot No. 134
Ward - 12/C, Liteshah Nagar, Gandhinagar (Kochchi) 379 201
Telefax: 02836-240300, Mob: 93752 58335, 94267 14840

Annexure - IV

Date

April - 2015

REKWISE ANALYSIS RESULTS OF SAMPLES DRAWN BY THIRD PARTY DURING THE PERIOD OF : April - 2015
LOADING END ANALYSIS REPORT FOR DISTRIBUTION

NAME OF COAL COMPANY: Eastern Coalfields Ltd, Eastern - CESE Ltd.

AREA

Jhargna

ANALYSIS LABORATORY: Jhargna

Sl. No	Name of Siding/ Colliery/Loading Point	Seed and Declared GCV/Grade	Date of Loading	No of Wags	Rate No	Railways Receipt		City, as Per RR	Destination Pkt/ Consumer	Sample Collection Date	TMS	Analysis Result On Equilibrated Condition of 60% RH at 30 Temp/GCV / ADB							
						No	Date					M%	Ash%	GCV	Grade	S. Note No			
1																			
1.	Jhargna-34	G-S	26-04-15	05	09A	161004896	29-04-15	317-98	TDS	26-04-15	10.7	6.1	17.3	5894	G-S	048757			
2.	Jhargna-12	G-S	"	14	09B	161004895	"	279-93	"	"	11.1	6.4	19.5	5841	G-S	048758			
3.	Jhargna-MC	G-Y	"	24	09C	161004894	"	2135-02	"	"	10.5	6.3	16.1	6157	G-Y	048759			
4.	Jhargna-34	G-S	27-04-15	03	04A	162001216	28-04-15	210-17	SAS	27-04-15	10.3	6.5	19.2	5847	G-S	048760			
5.	Jhargna-12	G-S	"	10	04B	162001217	"	625-58	"	"	11.2	6.1	19.1	5725	G-S	048761			
6.	Jhargna-MC	G-Y	"	42	04C	162001214	"	2685-64	"	"	10.8	6.2	15.9	6180	G-Y	048762			

1. Sample received for analysis were sealed and jointly signed at loading end
2. Proximate analysis has been done in accordance with BIS specification EC 1320 (Part-1), 1984 & IS : 1350 (Part-1), 1978 for determination of GCV.
3. Waggon statement are enclosed.
4. For Road, Ropeway, Belt, Pipe Line etc. Statement to be furnished Separately.

Distribution : Coal Company

Concerned Area SM /QC

of the GM (QC) Coal Co

Purchase / Consumer

Signature of Rep.

Name

Name of Coal Co.

[Signature]

Sr. Chemist

Jhargna Area Laboratory

* For Geo-Chem Laboratory (P) Ltd.

Signature of Rep.

Name

Name of Pur./asset/Consumer

[Signature]

Authorized Signatory

K.C. Sharma & Co. Authorised Signatory



Signature of Rep.

Name

Name of Pur./asset/Consumer

[Signature]

Pr. Meshu Das

A/c - C.E.S.C. LTD.
Page 7 of 14

K. C. Sharma & Co.

Head office: 16, Advance Apartment, Plot No. 134
Ward - 12C, Lhasah Nagar, Chandigarh (Machhi) 160 201
Telephone: 02235-224300, Mob: 97732 58385, 94267 14540

Annexure - IV

RE KEWISE ANALYSIS RESULTS OF SAMPLES DRAWN BY THIRD PARTY DURING THE PERIOD OF: April - 2015
LOADING END ANALYSIS REPORT FOR DISTRIBUTION

NAME OF COAL COMPANY: Eastern Coalfields Ltd
AREA: Jhansi
ANALYSIS LABORATORY: Jhansi

Comments: C.E.S.C. Ltd

Date: April - 2015

Sl. No	Name of Siding/ Colliery/Loading Point	Sized and Declared GCV/Grade	Date of Loading	No of Wags.	Rate No	Railways Receipt		Qty. as Per RR	Destination PHSE/ Consumer	Sample Collection Date	TM%	Analysis Result On Equilibrated Condition at 50% RH at 30 Temp/GCV / ADB				F. Note No
						No	Date					M%	Ash%	GCV	Grade	
1																
1	Jhansi-3/4	G-5	28-04-15	05	10A	161004902	29-04-15	336.30	76.5	28-04-15	10.6	6.4	18.7	5700	G-5	048763
2	Jhansi-1/2	G-5	"	11	10B	161004901	"	800.95	"	"	11.0	6.3	19.0	5870	G-5	048964
3	Jhansi-ME	G-4	"	43	10C	161004900	"	2716.21	"	"	10.8	6.5	15.6	6172	G-4	048965
4	Jhansi-3/4	G-5	29-04-15	03	05A	162001224	30-04-15	176.06	59.5	29-04-15	11.2	6.4	19.7	5814	G-5	048766
5	Jhansi-1/2	G-5	"	10	05B	162001220	"	646.08	"	"	10.8	6.2	22.7	5561	G-5	048967
6	Jhansi-ME	G-4	"	41	05C	162001219	"	2650.47	"	"	11.0	6.5	15.7	6161	G-4	048968

1. Sample received for analysis were sealed and jointly signed at loading ends.
2. Proximate analysis has been done in accordance with BIS specification: C 1350 (Part - 1), 1984 & IS : 1350 (Part - II), 1970 for determination of GCV.
3. Wagon's statement are enclosed.
4. For Road, Railway, Belt, Pipe Line etc. Statement to be furnished Separately.

Distribution: Coal Company
Concerned Area SM (OC)
Name of the GM (OC) Coal Co.
Purchase - Consumer

Signature of Rep. [Signature]
Name Jhansi Area Laboratory
Name of Coal Co.

For Geo-Chem Labours/Geo-TM Ltd.
Authorized Signatory [Signature]
Signature of Rec. [Signature]
Name [Name]
Name of Purchaser/Consumer

K.C. Sharma & Co
Authorized Signatory [Signature]
Signature of Rec. [Signature]
Name Primesh Des
Name of 3rd Party



K. C. Sharma & Co.

Head office: 15, Advance Apartment, Plot No 134
Ward - 12C, Lashari Nagar, Gandhinagar (Kachhi) 370 201
Tel: 02858 224300, Mob: 93752 98385, 94267 14840

A/c - CESC LTD.
Page 2 of 14

Annexure - IV

Date: April-2015

✓
* REKEMISE ANALYSIS RESULTS OF SAMPLES DRAWN BY THIRD PARTY DURING THE PERIOD OF :

LOADING END ANALYSIS REPORT FOR DISTRIBUTION

NAME OF COAL COMPANY: Eastern Coalfields Ltd, Consumer - BGRCC (CESE)

AREA: Bankola

ANALYSIS LABORATORY: Bankola

SL NO	Name of Siding/ Colliery/Loading Point	Size and Declared GCV/Grade	Date of Loading	No of Wags.	Rate No	Railways Receipt		Qty. as Per RR	Destination PHR Consumer	Sample Collection Date	TMR%	Analysis Result On Equilibrated Condition of 80% RH 40°C Temp/GCV / ADB				
						No	Date					M%	Ash%	GCV	Grade	F. Note No
1	Nakrakanda-Grt	Gr	4.4.15	01	010	161004818	10.4.15	54.09	BGRCC	9.4.15	10.8	6.4	17.4	6033	Gr-5	027294
2	Kumaradhik-Grt	Gr	"	02	015	161004817	"	118.88	"	"	10.6	6.3	16.0	6178	Gr-4	039401

- 1. Sample received for analysis were sealed and jointly signed at loading ends
- 2. Proximate analysis has been done in accordance with BIS specification IS 1350 (Part - 1), 1984 & IS : 1350 (Part - 1), 1979 for determination of GCV.
- 3. Wagons statement are enclosed.
- 4. For Road, Ropeway, Slt, Pige Line etc. Statement to be furnished Separately

Concerned Area SM (QC)
 Vice of the GM (QC), Coal Co.
 * Purchase / Consumer

Signature of Rep. SK
 Name Sr. Chemist/Coal Co.
 Name of Coal Co. Bankola Area, E.C.L.

Signature of Rep. S. K. Chakraborty
 Name S. K. Chakraborty
 Name of Purchaser/ Consumer

For Gas-Chest Laboratories (P) Ltd.
Authorised Laboratory

K.C. Sharma & Co. (P) Ltd.
 Authorised Signatory
 Signature of Rep. [Signature]
 Name Arimesh Das
 Name of 3rd Party

A/c - Case 652
Page 9 of 14



K. C. Sharma & Co.

Head office: 16, Advance Apartment, Plot No. 134
Ward - 12C, Ulasnagar, Coimbatore (Kochi) 570 201
Tel: 02335-224333, Mob: 92752-58385, 94207-44540

Annexure - IV

Date: April 2016

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

LOADING END ANALYSIS REPORT FOR DISTRIBUTION

NAME OF COAL COMPANY: Eastern Coalfields Ltd. Consumex - T.G.S. (CCESE)
 AREA: Bankola
 ANALYSIS LABORATORY: Bankola

Sl. No	Name of Siding/ Colliery/Loading Point	Sized and Declared GCV/Grade	Date of Loading	No of Wags	Rate No	Railways Receipt		Qty. as Per RR	Destination Pts/ Consumer	Sample Collection Date	TMR%	Analysis Result On Equilibrated Condition of 65% RH 40°C Temp/GCV / ADB				
						No	Date					M%	Ash%	GCV	Grade	S. Note No
1	Nakshakonda	G4	11.4.15	01	01C	161004824	13.4.15	68.00	TGS	11.4.15	10.9	6.1	16.6	6138	G4	027295
2	Kumaradibi-B	"	"	03	01D	161004823	"	206.50	"	"	10.3	6.3	15.8	6186	G4	039402
3	Kumaradibi-B	G4	12.4.15	04	02C	161004827	13.4.15	256.59	TGS	13.4.15	10.9	6.2	16.7	6151	G4	059404
4	Nakshakonda	G4	16.4.15	01	03D	161004841	17.4.15	129.92	"	16.4.15	10.3	6.2	16.3	6166	G4	037279
5	Kumaradibi-B	"	"	01	03E	161004840	"	66.57	"	"	10.8	6.4	15.6	6186	G4	039407
6	Nakshakonda	G4	18.4.15	01	04D	161004851	19.4.15	60.60	"	18.4.15	10.5	6.1	19.1	5908	G4	059461
7	Kumaradibi-B	"	"	03	04E	161004856	"	199.90	"	"	10.7	6.2	15.3	6191	G4	039409

1. Sample received for analysis were sealed and jointly signed at loading ends
 2. Proximate analysis has been done in accordance with BIS specification - S 1310 (Part - 1), 1984 & IS - 1350 (Part - 1, 1979 for determination of GCV)
 3. Wagon's statement are enclosed
 4. For Road, Ropeway, Deck, Pige Lino etc. Statement to be furnished Separately.

Concerned Area SM (QC)
 Name of the CM (QC) Coal Co
 If Purchase - Consumer

Signature of Rep. CR
 Name Bankola Area, E.C.L.
 Name of Coal Co.

Signature of Rep.
 Name S.K. Ghatak
 Name of Purchaser/ Consumer

For Geo-Chem Laboratory (P) Ltd.
 Authorized Signatory

K.C. Sharma & Co. COMPANY
 Authorized Signatory
 Signature of Rep.
 Name Animesh Das
 Name of 3rd Party

A/C - CESC LTD.
Page 10 of 14



K. C. Sharma & Co.

Head office: 16, Advance Apartment, Plot No. 13A
Ward - 13/C, Laxshah Nagar, Gandhinagar (Kachodeh) 370 201
Telefax: 02836-294300, Mob: 93792 56385, 94267 4444

Annexure - IV

Date: April-2015

REKEMISE ANALYSIS RESULTS OF SAMPLES DRAWN BY THIRD PARTY DURING THE PERIOD OF: _____

LOADING END ANALYSIS REPORT FOR DISTRIBUTION

NAME OF COAL COMPANY: Eastern Coalfields Ltd, Consumers - TGIS (CESC)

AREA: Bankola

ANALYSIS LABORATORY: Bankola

SL NO	Name of Siding/ Colliery/Loading Point	Sized and Destint GCV/Gross	Date of Loading	No of Wags	No of Rake No	Railways Receipt		Qty. as Per RR	Destination P/H/ Consumer	Sample Collection Date	TM%	Analysis Result On Equilibrated Condition at 60% RH 40°C Temp/GCV / Ash			F. Note No	
						No	Date					M%	Ash%	GCV		Grade
1	2		4	3	5	7		9	10	15	12	13	14	15	17	
1.	Nakvakanada	Gr4	20.4.15	01	05D	161004869	21.4.15	62.90	TG5	20.4.15	10.9	6.2	15.5	6216	Gr4	039453
2.	Kumarahib	"	"	02	05E	161004868	"	130.16	"	"	10.2	6.3	16.3	6151	Gr4	039411
3.	Kumarahib	Gr4	23.4.15	03	06D	161004881	24.4.15	183.11	"	23.4.15	10.6	6.5	15.8	6148	Gr4	039415
4.	Nakvakanada	Gr4	24.4.15	01	07C	161004887	25.4.15	60.67	"	24.4.15	10.5	6.7	16.5	6152	Gr4	039457
5.	Kumarahib	"	"	03	07D	161004886	"	143.13	"	"	10.5	6.3	15.8	6154	Gr4	039416
6.	Kumarahib	Gr4	25.4.15	02	08D	161004890	26.4.15	132.0	"	25.4.15	10.9	6.2	16.1	6173	Gr4	039417
7.	Nakvakanada	Gr4	26.4.15	01	09D	161004897	27.4.15	60.82	"	26.4.15	10.4	6.5	15.3	6190	Gr4	039458
8.	Kumarahib	"	"	02	09E	161004898	"	136.54	"	"	10.8	6.4	15.3	6173	Gr4	039418

1. Sample received for analysis were sealed and jointly signed at loading ends
2. Proximate analysis has been done in accordance with BIS specification IS-1190 (Part - 1), 1995 & IS - 1350 (Part - 1), 1970 for determination of GCV.
3. Wetness statement see enclosed.
4. For Road, Railway, Belt, Pipe Line etc. Statement to be furnished Separately.

Distribution: Coal Company

Concerned Area SM (OC)

Name of the GM (OC) Coal Co.

Name of Purchaser / Consumer

Signature of Rep.

Name

Name of Coal Co.

Signature of Rep.

Name

Name of Coal Co.

Signature of Rep.

Name

Name of Purchaser / Consumer

For Geo-Chem Laboratory (P) Ltd.

Signature

Name

Name of 3rd Party

K.C. Sharma & Co. COMPANY
Authorised Signatory
auth. Sig.

Signature of Rep.

Name

Name of 3rd Party

A/c - CEESC LTD.
Page 11 of 14.



K. C. Sharma & Co.

Head office: 16, Adra rose Apartment, P.O. No. 134
Ward - 12/C, Lashah Nagar, Gandhinagar (Kolkata) 700 071
Tel: 033-2243000, Mob: 92752 58365, 94267 14840

Annexure - IV
Date: April-2015

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

LOADING END ANALYSIS REPORT FOR DISTRIBUTION

NAME OF COAL COMPANY: Eastern Coalfields Ltd, Consumer - SGTSC (CEESC)
AREA: Bankola

ANALYSIS LABORATORY: Bankola

SL NO	Name of Sdng/ Confrery/ Loading Point	Stat and Declared GCV/Grade	Date of Loading	No of Wtgs.	Rake No.	Railways Receipt		Qty. as Per RR	Destination Phys/ Consumer	Sample Collection Date	TMS	Analysis Result On Equilibrated Condition of 60% RH 40°C Temp/GCV / ADB				
						Slb	Date					M%	Ash%	GCV	Grade	F. No/ls No
1.		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1.	Naktakada	G4	23.4.15	01	02D	162001204	23.4.15	61.43	SGS	23.4.15	10.6	5.5	16.7	6154	G-4	039455
2.	Kumardih-B	"	"	01	02E	162001203	"	61.62	"	"	10.7	6.2	15.9	6194	G-4	039415
3.	Kumardih-B	G4	27.4.15	02	04D	162001218	28.4.15	119.10	"	27.4.15	10.8	6.3	16.4	6153	G-4	039419
4.	Naktakada	"	29.4.15	02	06D	162001221	30.4.15	123.90	"	29.4.15	10.3	6.2	16.3	6151	G-4	039459
5.	Kumardih-B	"	"	02	06E	162001222	"	116.14	"	"	10.6	6.4	15.6	6158	G-4	039420

- Sample received for analysis were sealed and jointly signed at loading ends.
- Proximate analysis has been done in accordance with BIS specification IS 1350 (Part-1), 1964 & IS : 4350 (Part-II), 1970 for determination of GCV.
- Waters statement are enclosed.
- For Road, Railway, Belt, Pipe Line etc. Statement to be furnished Separately.

Distribution : Coal Company
Concerned Area SM (C/C)
Office of the GM (CC) Coal Co.
3) Purchaser / Consumer

Signature of Rep. GC
Name Sr. Chemist/Chemist
Name of Coal Co. Bankola Area, E.C.L.

Signature of Rep. S.K. Ghatak
Name S.K. Ghatak
Name of Purchaser/ Consumer

For Geo-Chem Laboratories (P) Ltd.
Signature of Rep. Banerjee
Name of Analytical Laboratory

K.C. Sharma & Co. COMPANY
Authorised Signatory
Signature of Rep. [Signature]
Name Animesh Das
Name of 3rd Party.

N/C - C.E.S.C. Ltd
Page 12 of 14



K. C. Sharma & Co.

Head office: 15, Advance Apartment, Plot No. 134
 Vard - 12C, Laxshya Nagar, Garudham (Kachchi) 370 201
 Telefax: 02836-224300, Mob: 93752 58385, 94287 4540

Annexure - IV

Date: 11/3/15

REKEMISE ANALYSIS RESULTS OF SAMPLES DRAWN BY THIRD PARTY DURING THE PERIOD OF: April-15

LOADING END ANALYSIS REPORT FOR DISTRIBUTION

NAME OF COAL COMPANY: Eastern Coal field Ltd.
 AREA: Kajora Area
 ANALYSIS LABORATORY: Kajora Lab.
Consumer - C.E.S.C./T.G.S

Sl. No.	Name of Siding/ Colliery/Loading Point	Size and Declared GCV/Grade	Date of Loading	No. of Wgts.	Rake No	Railways Receipt		Qty. as Per RR	Destination PHA/ Consumer	Sample Collection Date	TM%	Analysis Result On Equilibrated Condition of 90% RH 40°C Temperature / Ash				
						No	Date					M%	Ash%	GCV	Grade	F. No/ No
1.	<u>Boms Cole</u>	<u>G-1</u>	<u>1/1/15</u>	<u>18</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>228.85</u>	<u>TGS</u>	<u>4/4/15</u>	<u>10.3</u>	<u>14</u>	<u>15</u>	<u>6205</u>	<u>G-1</u>	<u>029280</u>
2.	<u>Madhysudan</u>	<u>G-2</u>	<u>1/1/15</u>	<u>18</u>				<u>1157.60</u>	<u>N</u>	<u>4/4/15</u>	<u>10.0</u>	<u>6.6</u>	<u>9.5</u>	<u>6755</u>	<u>G-2</u>	<u>020979</u>
3.	<u>Klas Kajora</u>	<u>G-3</u>	<u>1/1/15</u>	<u>23</u>				<u>1505.43</u>	<u>N</u>	<u>1/1/15</u>	<u>10.5</u>	<u>8.4</u>	<u>12.5</u>	<u>6483</u>	<u>G-3</u>	<u>022985</u>

1. Sample received for analysis were sealed and jointly signed at loading ends
2. Proximate analysis has been done in accordance with BIS specification IS - 230 (Part - 1), 1954 & IS : 1350 (Part - 1), 1970 for determination of GCV.
3. Wagons statement are enclosed.
4. For Road, Ropeway, Belt, Pipe Line etc. Statement to be furnished Separately.

Distribution : Coal Company

Concerned Area SM (CC)

Name of the GM (CC) Coal Co.

* Purchase / Consumer

Signature of Rep.

Name: Sandeep Kumar

Name of Coal Co.: K.A.M.O.S. COAL

Signature of Rep.

Name: P.K. Prasad

Name of Purchaser/ Consumer

Authorized Signatory

For: Geop-Chem Laboratories (P) Ltd.

K.C. Sharma & Co

Authorized Signatory

Name: Shyamal Pal

Name of Rep/ Party



A/C - CEESC LTD.
Page 13 of 14

Contingee - BBGS (CEESC)

Date: 09/05/15

Nature of Sample COAL (Joint Sampling) **EASTERN COALFIELDS LIMITED**
(Quality Control Deptt), Santoria, Disergarh-713333

A/c CEESC (B.B.G.S)

Ref Baxachak House Lab
Salanpur Area E.C.L

Sl No.	Name of the Colliery	Quantity	Order No.	Ex Gr.	Date of Sampling	Consignee	FINote No.	Total Visions	Moist %	Ash %	V.M %	Calorific Value K.Cal/Kg.	Grade On Test	Remarks
1	Mahanpur	3555.90	01	G7	8-4-15	B.B.G.S	042724	53	1.3	33.3	3.9	5375	G7	
2	Dabax	3967.90	02	G7	9-4-15	"	042726	58	1.4	33.6	4.1	5325	G7	
3	Dabax	2610.62	03	G7	11-4-15	"	042728	38	1.4	33.1	4.0	5342	G7	
4	Dabax	1354.05	03	G8	11-4-15	"	042729	20	1.5	22.8	4.4	6219	G4	(-)
5														
6														
7														
8														
9														
10														
11														
12														
13														
14														
15														

(Senior Chemist)
Borachak Coal Laboratory
E.C.L Representative
SALANPUR AREA

For Geo-Chem Laboratories (P) Ltd.
Sgt of the Contingee

- C.C to 1. General Manager (Q.C.), E.C.L.
- 2. Area Sales Manager, Salanpur Area
- 3. Manager, _____ Colliery

A/C - CESC LTD.
Page 14 of 14.

25/05/2015
From Mine S-40-2
P. H. P., P. H. P., P. H. P., P. H. P., P. H. P.
DATE: 18/05/15
LABORATORY No. 598

EASTERN COALFIELDS LIMITED
OFFICE OF THE GENERAL MANAGER
S.P. MINES, CHITRA (JHARKHAND)

JOINT SAMPLE ANALYSIS RESULTS A/C CESC LIMITED FOR THE MONTH OF APRIL '15
ANALYSIS LABORATORY : S.P. MINES, CHITRA

Sl No.	Date of Loading	Colliery	GCV Band	Box Loaded	RR Cnty	F/Note No.	F/Note Date	Sample No.	Consumer	T.M%	Analysis as on 60% RH & 40 C basis			
											I.M%	ASH%	GCV(Kcal/Kg)	GCV Band
1	02.04.15	Chitra	G5	19	1241.61	041893	02.04.15	BBGS	BBGS	7.6	3.6	22.8	5955	G5
2	02.04.15	Chitra	G6	40	2611.20	041894	02.04.15	BBGS	BBGS	7.1	3.5	25.8	5575	G6
3	15.04.15	Chitra	G5	23	1725.20	041899	15.04.15	TGS	TGS	7.2	3.6	23.4	5889	G5
4	15.04.15	Chitra	G6	32	2369.70	047750	15.04.15	TGS	TGS	7.0	3.4	26.7	5591	G6
5	17.04.15	Chitra	G5	22	1607.30	047751	17.04.15	SGS	SGS	7.5	3.5	23.6	5872	G5
6	17.04.15	Chitra	G6	35	2551.20	047752	17.04.15	SGS	SGS	7.3	3.3	28.5	5350	G7

For Geo-Chem Laboratories (P) Ltd.
Authorised Signatory

AUTHORISED SIGNATORY OF P.H

AKC

REPRESENTATIVE
S.P. MINES IN CHARGE
S.P. MINES

Accepted
3/5/15