

COAL GRADES

2018 - 2019



Quality Management Department
CENTRAL COALFIELDS LIMITED

(A Miniratna Company)

DARBHANGA HOUSE, RANCHI - 834029



CENTRAL COALFIELDS LIMITED

DARBHANGA HOUSE, RANCHI
(A subsidiary of Coal India Limited)



Ref. No. : CCL/HQ/QM/Ann.Gr./2018-19/ 564 .

Dated : 27.03.2018
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To
The Coal Controller,
Office of the Coal Controller,
Ministry of Coal, Govt. of India,
1, Council House, Street,
Kolkata-700001

Sub. : **Declaration of Grades of Coal Seams being worked in Central Coalfields Limited for the year 2018-19**

Dear Sir,

In reference to your letter No. CC/Tech/Ann.Gr./CCL/2018-19 dated 21st March 2018 and in pursuance of Clause 4(1) & 4(2) of the Colliery Control Rules, 2004 of Govt. of India, based on Systematic sampling and Scientific analysis, and Sub Rule (2) of 18B of Coal Mine (Conservation and Development) amendment rule 2011, the Grades of Coal seams being worked at different collieries of Central Coalfields Limited for the year 2018-19 are enclosed herewith.

These Grades will have effect from 00.00 Hrs. of 1st April, 2018.

Yours faithfully,

Encl. : As above.

Director (Tech)(Opms)

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CENTRAL COALFIELDS LIMITED
AREA : PIPARWAR
COAL GRADES FOR THE YEAR 2018-19



Sl. No.	Colliery	Coal Seam	Mine	GCV Band	Grade for 2018-19 (ROM)
1	Piparwar	Up.Dakra	O/C	4301-4600	G10
2		Lr.Dakra	O/C	4001-4300	G11
3		Bukbuka	O/C	4601-4900	G9
4	Ashok	Dakra	O/C	4001-4300	G11
5		Bukbuka	O/C	4601-4900	G9
6		Up.&Lr.Bishrampur	O/C	4601-4900	G9

GRADE FOR SIDING FOR THE YEAR 2018-19

Sl. No.	Area	Name of the Siding	Grade for (2018-19)
1	Piparwar	RCM	G9/G10/G11
2		Bachra Spur	WC(NC)/G9/G10/G11

Note : The CCL Board has agreed for proposal of closure of Bachra UG in its 436th meeting dated 01.02.2017 (Ref: CS/BM/436/2017/132 dtd. 09.02.2017)

CENTRAL COALFIELDS LIMITED
AREA : NORTH KARANPURA
COAL GRADES FOR THE YEAR 2018-19



Sl. No.	Colliery	Coal Seam	Mine	GCV Band	Grade for 2018-19 (ROM)
1	KDH	Dakra	O/C	4001-4300	G11
2		Bukbuka	O/C	4301-4600	G10 (Prov)
3		Bishrampur	O/C	4601-4900	G9 (Prov)
4	Dakra	Dakra	O/C	4001-4300	G11
5		Bukbuka	O/C	---	--
6		Bishrampur	O/C	4601-4900	G9
7	Churi Re-Orgn.	Lr.Bachra	U/G	5501-5800	G6
8		Up.Bachra	U/G	4601-4900	G9
9	Karketta	Dakra	O/C	--	--
10		Bukbuka	O/C	4301-4600	G10
11		Bishrampur	O/C	--	--
12	Rohini	Up.Dakra	O/C	3701-4000	G12
13		Top Lr.Dakra	O/C	3101-3400	G14
14		Midd. Lr.Dakra	O/C	3401-3700	G13
15	Purnadih	Midd.Lr.Dakra	O/C	3701-4000	G12
16		Bot.Lr.Dakra	O/C	5201-5500	G7
17		Midd.Lr.Dakra & Bot.Lr.Dakra Combined	O.C.(Qry.No.1)	3401-3700	G13

GRADE FOR SIDING FOR THE YEAR 2018-19

Sl. No.	Area	Name of the Siding	Grade for (2018-19)
1	North Karanpura	KD (New)	G9/G10/G11/G12/ G13/G14
2		Dakra (Manual)	G7/G9/G10/G11/ G12/ G13/G14
3		KD (Old)	G9/G10/G11

CENTRAL COALFIELDS LIMITED
AREA : MAGADH-AMRAPALI
COAL GRADES FOR THE YEAR 2018-19



Sl. No.	Colliery	Coal Seam	Mine	GCV Band	Grade for 2018-19 (ROM)
1	Amrapali	I (Top)	O/C	4001-4300	G11
2		I(T+M+B) Combined	O/C	4301-4600	G10
3		IV	O/C	4301-4600	G10
4		III C	O/C	4301-4600	G10
5		II (Top)	O/C	3701-4000	G12
6		II (Bottom)	O/C	4001-4300	G11
7	Magadh	IV	O/C	4001-4300	G11
8		III	O/C	4301-4600	G10
9		II (Top)	O/C	3701-4000	G12
10		I(Top)	O/C	3701-4000	G12
11		I(Middle)	O/C	3101-3400	G14 (Prov)
12		I(Bottom)	O/C	4301-4600	G10 (Prov)

GRADE FOR SIDING FOR THE YEAR 2018-19

Sl. No.	Area	Name of the Siding	Grade for (2018-19)
1	Rajhara	Rajhara	G9
2		Tori	G10/G11/G12

CENTRAL COALFIELDS LIMITED
AREA : BARKA-SAYAL
COAL GRADES FOR THE YEAR 2018-19



Sl. No.	Colliery	Coal Seam	Mine	GCV Band	Grade for 2018-19 (ROM)
1	Bhurkunda	Up.Semana	U/G	6101-6400	G4
2		Lr.Semana	U/G	---	---
3		Up.Nakari	U/G	---	---
4		Lr.Nakari	U/G	---	---
5		Hathidari	U/G	4901-5200	G8
6		Bansgarha	U/G	5201-5500	G7
7		Argada(Sangam)	O/C	5801-6100	G5
8		Up./Lr. Sirka	O/C	6101-6400	G4
9		Argada-A	O/C(Qry.3)	5201-5500	G7
10		Sayal	O/C	4601-4900	G9
11		Up. Balkudra	O/C	4301-4600	G10
12		Lr. Balkudra	O/C	4301-4600	G10
13	Urimari U/G (Sayal-D)	Hathidari	U/G	5201-5500	G7
14		Bansgarha	U/G	5201-5500	G7
15	Urimari	Saunda	O/C	4601-4900	G9
16		Balkudra/Sayal	O/C	3701-4000	G12
17		Sayal	O/C New Patch Gandhanian	3701-4000	G12
18	N.Urimari (Birsa)	Argada	O/C	6101-6400	G4
19		Argada-A/Argada-B	O/C	5801-6100	G5
20		Argada Top	O/C	5201-5500	G7
21		Argada (Middle)	O/C	4901-5200	G8
22		Argada (A+B)	O/C	4901-5200	G8
23		Argada (M+B)	O/C	5201-5500	G7
24	Hindegir	IV	U/G	---	---

Note : The CCL Board has agreed for proposal of closure of Saunda-D U/G & Sayal-D U/G in its 440th meeting dated 25.03.2017 (Ref: CS/BM/440/2017/399 dtd. 10.04.2017)

CENTRAL COALFIELDS LIMITED
AREA : BARKA-SAYAL
COAL GRADES FOR THE YEAR 2018-19



GRADE FOR SIDING FOR THE YEAR 2018-19

Sl. No.	Area	Name of the Siding/CHP	Grade for (2018-19)
1	Barka-Sayal	Bhurkunda (CHP)	G4/G5/G6/G7
2		Saunda	G5/G6/ G7/G8/ G9/G10/G12/G14
3		Central Saunda	G4/G5/G6/G7

CENTRAL COALFIELDS LIMITED

AREA : ARGADA

COAL GRADES FOR THE YEAR 2018-19



Sl. No.	Colliery	Coal Seam	Mine	GCV Band	Grade for 2018-19 (ROM)
1	Gidi-A	Argada	O/C	5501-5800	G6
2		Argada-A	O/C	4901-5200	G8
3		Argada-B	O/C	5801-6100	G5
4	Religara	Argada	O/C	5501-5800	G6
5		Argada-A	O/C	4901-5200	G8
6		Argada-B	O/C	5201-5500	G7
7		Argada-D	U/G	---	--
8		Argada-C&D	O/C	4901-5200	G8
9	Gidi-C	Argada-A	O/C	---	--
10		Argada-B	O/C	5501-5800	G6
11		Argada-C&D	O/C	5501-5800	G6
12		Argada LMNO(Comb.)	O/C	4001-4300	G11
13	Sirka	Argada/ Argada-A/Sirka	O/C	5801-6100	G5

Note : The CCL Board has agreed for proposal of closure of Argada U/G & Sirka U/G in its 440th meeting dtd. 25.03.2017 (Ref: CS/BM/440/2017/399 dtd. 10.04.2017)

CENTRAL COALFIELDS LIMITED
AREA : ARGADA
COAL GRADES FOR THE YEAR 2018-19
COAL [STEAM (MANUALLY PICKED)] GRADES
FOR THE YEAR 2018-19



Sl. No.	Area	Colliery	Coal Seam	GCV Band	Grade for (2018-19) (STEAM)
1	Argada	Religara	Argada-B	5801-6100	G5
2		Religara	Argada-C&D	5801-6100	G5
3		Gidi-C	Argada-LMNO (Comb)	5201-5500	G7

GRADE FOR SIDING FOR THE YEAR 2018-19

Sl. No.	Area	Name of the Siding/CHP	Grade (2018-19)
1	Argada	Gidi-A (CHP)	G5/G6/G7/G8/G11
2		Gidi-Washery	WC (NC)
3		Sirka (CHP)	G5/G6/G7/G8/G11

Note : The Mine Boundary between Gidi-C OCP and Religara OCP has been re-adjusted with the permission of Director (Tech/Oprns), CCL and DGMS.

CENTRAL COALFIELDS LIMITED

AREA : KUJU

COAL GRADES FOR THE YEAR 2018-19



Sl. No.	Colliery	Coal Seam	Mine	GCV Band	Grade for (2018-19) (ROM)
1	Ara	XI	O/C	---	WIII
2		X	O/C	---	WIII
3		V	O/C	---	WIII
4		VA	O/C	---	WIII
5		IV	U/G & O/C	---	WIV
6		III	O/C 16B Qr.	---	WIV
7	Sarubera	V/VA/IV/III	O/C	---	WIV
8		II/IIA	U/G3C/10 No.Inc.	---	WIV
9		I	U/G/8ABC/3CInc.	3701-4000	G12
10	Kuju	X(Top/Midd/Bott	O/C (Hesagora)	5801-6100	G5
11		X	O/C	5501-5800	G6
12	Pundi	VII	O/C	---	WIII
13		V	O/C	---	WIII
14		IV	O/C	---	WIV
15		III	O/C	4901-5200	G8
16	Karma	VII/VI(Local)	O/C	5201-5500	G7
17	Topa	XI	O/C	---	WIV
18		IX/X	O/C	---	WIV
19		VIII	O/C	---	WIV
20		VI/VII	O/C(Topa Re-Org.)	---	WIV
21		V	U/G&O/C (Topa Re-Org.)	---	WIV
22		VA	O/C(Topa Re-Org.)	---	WIII
23		IV/III	O/C(Topa Re-Org.)	---	WIV
24	Pindra	IX	U/G	---	WIV
25		VII/VI	U/G & O/C	---	WIII
26		V	O/C	---	WIII
27		IV/III	O/C	---	WIV

Note:-

- 1) The CCL Board has agreed for proposal of closure of Kuju UG in its 440th meeting dated 25.03.2017
- 2) The CCL Board has agreed for proposal of closure of Topa UG in its 436th meeting dated 01.02.2017

CENTRAL COALFIELDS LIMITED
AREA : KUJU
COAL GRADES FOR THE YEAR 2018-19



GRADE FOR SIDING FOR THE YEAR 2018-19

Sl.No.	Area	Name of the Siding	Grade for 2018-19
1	Kuju	N.R.	WIII/WIV/G5/G6/ G7/G8/G9/G11/G12

CENTRAL COALFIELDS LIMITED
AREA : HAZARIBAG
COAL GRADES FOR THE YEAR 2018-19



Sl. No.	Colliery	Coal Seam	Mine	GCV Band	Grade for (2018-19) (ROM)
1	Tapin (S)	VIII	U/G	---	WII
2		VIII/VII (Comb)	O/C	---	WIII
3		VIIIA/VIIIB/VIIA/VIIIB/VI	O/C	---	WIV
4		IV/III	O/C	---	WIV
5	Tapin	II	O/C	4901-5200	G8
6		IV/V	O/C	---	WIV
7		VA	O/C	---	WIV
8		VII	O/C	---	WII
9		VIIA/VIIIB (Comb)	O/C	---	WIV
10		VIII	O/C	---	WIII
11	KUGP	VA	U/G	---	WII
12		VIII	U/G	---	WIV
13	Jharkhand	V	OC	---	WIV
14		IV/III	O/C	---	WIV
15		VA	O/C	---	WIV
16	KOCP	V	O/C	---	WIV
17		VA/VI/VII (Comb)	O/C	4301-4600	G10
18	Laiyo	XI	U/G	---	WIV
19		V	U/G	---	WIII
20		VA	U/G	---	WIV
21	Parej-East	IV/III	O/C	4601-4900	G9
22		II (Top)	O/C	---	WIV
23		II (Bottom)	O/C	4001-4300	G11

CENTRAL COALFIELDS LIMITED
AREA : HAZARIBAG
COAL GRADES FOR THE YEAR 2018-19



COAL [STEAM(MANUALLY PICKED)] GRADES
FOR THE YEAR 2018-19

Sl. No.	Area	Colliery	Coal Seam	GCV Band	Grade for (2018-19) (STEAM)
1	Hazaribag	Tapin	IV/III	---	WIII
2			VIII	---	WII
3		KOCP	V	---	WII
4		Parej East	II (Top)	---	WIII

GRADE FOR SIDING FOR THE YEAR 2018-19

Sl. No.	Area	Name of the Siding	Grade for 2018-19
1	Hazaribag	Chainpur	WC(C)/WC(P)/G5

Note : Siding Transferred to Hazaribag Area vide ref. No. GM(K)/2015/02/609 dtd. 26.06.2015 and Ref. No. GM(K)/02/2015-16/610 dtd. 27.06.2015

CENTRAL COALFIELDS LIMITED
AREA : RAJRAPPA
COAL GRADES FOR THE YEAR 2018-19



Sl. No.	Colliery	Coal Seam	Mine	Grade for (2018-19) (ROM)
1	Rajrappa	VIII A	O/C	WII
2		VII Top	O/C	WII
3		VII Bottom	O/C	WIII

GRADE FOR SIDING FOR THE YEAR 2018-19

Sl. No.	Area	Name of the Siding/CHP	Grade for 2018-19
1	Rajrappa	Rajrappa Washery	WC(C)/WC(P)/WIV

CENTRAL COALFIELDS LIMITED
AREA : KATHARA
COAL GRADES FOR THE YEAR 2018-19



Sl. No.	Colliery	Coal Seam	Mine	GCV Band	Grade for (2018-19) (ROM)
1	Kathara	Kargali	O/C	---	WII (Prov)
2		Kathara	O/C	---	WIII
3	Jarangdih	Karo Maj.VIII	O/C	---	WIV
4		Karo Maj.X	O/C	---	WIV
5		Bermo	O/C	---	WIV
6	Sawang	Bermo	O/C	---	WIV
7		Up.Karo	O/C	---	WIV
8		Lr.Karo	O/C	---	WIV
9	Govindpur Phase-II	Bermo	O/C	---	WIV
10		Up.Karo	O/C	4601-4900	G9
11		Lr.Karo	O/C	4301-4600	G10
12	Govindpur	JRD 10'	U/G(3&4 Inc.)	---	WIV
13		JRD 6'	U/G (5&6 Inc)	---	WIII
14		JRD 18'	U/G (1&2 Inc.)	---	WIV
15		Kathara	U/G	---	WIII
16		Sawang-C	U/G	---	WIV
17		Kargali Top/Bot	O/C	---	WIII
18		Bermo	O/C	---	WIV

GRADE FOR SIDING FOR THE YEAR 2018-19

Sl. No.	Area	Name of the Siding	Grade for 2018-19
1	Kathara	Jarangdih PF-II	WIV/G9/G10
2		Kathara (Washery)	WC(C)/WC(P)
3		Swang (Washery)	WC(C)/WC(P)

Note : 1. The CCL Board has agreed for proposal of closure of Sawang U/G & Jarangdih U/G in its 440th meeting dated 25.03.2017

CENTRAL COALFIELDS LIMITED

AREA : BOKARO & KARGALI

COAL GRADES FOR THE YEAR 2018-19



Sl. No.	Colliery	Coal Seam	Mine	GCV Band	Grade for (2018-19) (ROM)
1	Bokaro	Kargali	O/C		WII
2		Bermo	O/C		WIV
3	Kargali	Kargali	O/C(Dhori Patch)		WIII
4	Karo-I Project	Karo X	O/C		WIV
5		Karo IX	O/C		WIV
6		Karo VIII	O/C		WIV
7		Karo VII & VI	O/C	4901-5200	G8
8		Karo VIII, VII & VI (Comb.)	O/C	4301-4600	G10
9		Karo V	U/G		WIV
10	AKK OCP	Karo VIII	O/C	4901-5200	G8
11		Karo VII&VI	O/C	4901-5200	G8
12		Karo V	U/G		WIV
13		Karo III	U/G		WIII
14	Karo Proj.II (KSP Phase-II)	Karo V	U/G		WIV
15	Giridih	Khandia IV	(O/C)PDS/Kabribad	---	---
16		Khandia III/II/I	(O/C)PDS/Kabribad	4901-5200	G8
17		Balihill	O/C	4301-4600	G10
18		Jatkuti	O/C	4301-4600	G10

GRADE FOR SIDING FOR THE YEAR 2018-19

Sl. No.	Area	Name of the Siding	Grade for 2018-19
1	Bokaro & Kargali	Jarangdih PF-I	WIV/G8/G9/G10
2		Giridih(CP)	G8/G10/G11
3		Kargali (Washery PF-II) Karo-I	WIV/G8/G9/G10
4		Kargali (Washery)	WC(C)/WC(P)

Note :

- 1) Khasmahal & Konar Open Cast Projects after amalgamation are being named as amalgamated Konar & Khasmahal Open Cast Project vide Letter No. 1855 dated 05.08.2015 issued from Director Mines Safety, Koderma Region.
- 2) The CCL Board has agreed for proposal of closure of Kargali (BSI) UG in its 440th meeting dated 25.03.2017

CENTRAL COALFIELDS LIMITED

AREA : DHORI

COAL GRADES FOR THE YEAR 2018-19



Sl. No.	Colliery	Coal Seam	Mine	GCV Band	Grade for (2018-19) (ROM)
1	Sel.Dhori Open Cast Mine	Up.Karo Maj.(IX-X)	O/C		WIII
2		Karo Maj VIII/VII/VI (Comb)	O/C	4301-4600	G10
3	Tarmi	Karo Maj V	O/C		WIV
4		Karo Spl.III	O/C		WIII
5	Amalgmated Amlo Dhori Opencast Mine	Up.Karo Maj.(IX-X)	O/C		WIII
6		Karo Maj-VIII/VII/VI (Comb)	O/C	4301-4600	G10
7		Bermo	O/C		WIV
8	Dhori (Khas)	Karo Spl.III (Chapri)	U/G		WII
9		Karo Bot. (Pichari)	O/C		WIV

COAL [STEAM(MANUALLY PICKED)] GRADES FOR THE YEAR 2018-19

Sl. No.	Area	Colliery	Coal Seam	Grade fo 2018-19 (STEAM)
1	Dhori	Sel.Dhori Open Cast Mine	VIII/VII/VI (Comb)	WIII
2		Tarmi	Karo Maj.V	WIII
3		Amalgmated Amlo Dhori Opencast Mine	VIII,VII & VI	WIII

GRADE FOR SIDINGS FOR THE YEAR 2018-19

Sl. No.	Area	Name of the Siding	Grade for 2018-19
1	Dhori	Tarmi	WIV/G8/G10
2		Sel.Dhori	WIII/WIV
3		Dhori L-1	WIII/WIV/G8/G9/G10
4		Dhori L-2	WIV/G8/G9/G10

Note : Sel. Dhori Quarry No. 1 & Sel. Dhori Quarry No. 3 has been amalgamated and working as one mine as Sel. Dhori Open Cast Mine vide letter No. 2700 dated 19.10.2015 issued from the office of the DGMS, Dhanbad.

COAL GRADE SPECIFICATION

NON-COKING COAL :

<u>Grade</u>	<u>GCV Bands (in K.Cal./Kg.)</u>	<u>Grade</u>	<u>GCV Bands (in K.Cal./Kg.)</u>
G1	: Above 7000	G10	: 4301 - 4600
G2	: 6701 - 7000	G11	: 4001 - 4300
G3	: 6401 - 6700	G12	: 3701 - 4000
G4	: 6101 - 6400	G13	: 3401 - 3700
G5	: 5801 - 6100	G14	: 3101 - 3400
G6	: 5501 - 5800	G15	: 2801 - 3100
G7	: 5201 - 5500	G16	: 2501 - 2800
G8	: 4901 - 5200	G17	: 2201 - 2500
G9	: 4601 - 4900		

COKING COAL :

<u>Grade</u>	<u>Ash Content %</u>
St. I	: Ash Content Not Exceeding 15%
St. II	: Ash Content Exceeding 15% But Not Exceeding 18%
W-I	: Ash Content Exceeding 18% But Not Exceeding 21%
W-II	: Ash Content Exceeding 21% But Not Exceeding 24%
W-III	: Ash Content Exceeding 24% But Not Exceeding 28%
W-IV	: Ash Content Exceeding 28% But Not Exceeding 35%

St. = Steel Grade
W = Washery Grade
GCV = Gross Calorific Value
ROM = Run-off-Mine