



# CENTRAL COALFIELDS LIMITED

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



Ref. No. : CCL/HQ/QM/Ann.Gr./2024-25/ 2483

Dated : 28-03-2024

To  
The Coal Controller,  
Coal Controller Organisation,  
Scope Minar 5<sup>th</sup> Floor,  
Core -II Laxmi Nagar,  
Delhi -110092

Sub. : **Declaration of Grades of Coal Seams being worked in Central Coalfields Limited for the year 2024-25**

Dear Sir,

In reference to your letter no. CC/Tech/Annual Grade/CCL/2024-25/359735 dated, the 26<sup>th</sup> March, 2024 and in pursuance of rule (4) of colliery control (amendment) rule 2021, Govt. of India, based on Systematic Sampling & Scientific Analysis, the grades of coal seams being worked at different collieries of Central Coalfields Limited for the Year 2024-25 are being declared and enclosed herewith.

These grades will have effect from 00:00 hrs of 1<sup>st</sup> April 2024.

Encl.: As above.

Yours faithfully,

Nominated Owner/  
Director (Tech/Oprns)

Distribution :- (Through E mail)

1. Director (T/P & T), CCL, Ranchi
2. Director (F), CCL, Ranchi
3. OSD, CCO, CMPDIL, Gondwana Place,  
Kanke Road, Ranchi.
4. TS to CMD, CCL, Ranchi.
5. TS to Director (Tech.)(Oprns.), CCL, Ranchi.
6. General Manager (Oprns.), CCL, Ranchi.
7. General Manager (M&S), CCL, Ranchi.
8. General Manager (System), CCL.-For uploading CCL Web site
9. General Manager, NK, A-C, M-S, Piparwar, Barka-Sayal, Argada, Rajrappa, Hazaribagh,  
Kuju, Rajhara, Dhori, B&K, Kathara, Giridih area,

# **COAL GRADES**

## **2024 - 2025**



Quality Management Department  
**CENTRAL COALFIELDS LIMITED**

*(A Miniratna Company)*

DARBHANGA HOUSE, RANCHI - 834029



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CENTRAL COALFIELDS LIMITED

AREA : PIPARWAR

COAL GRADES FOR THE YEAR 2024-25

Sl. No.	Colliery	Coal Seam	Location	Approved Grade by CCO for Yr.2024-25 (ROM)
1	Piparwar	Up.Dakra	O/C	G10 (P)
2		Lr.Dakra	O/C	G10 (P)
3		Bukbuka	O/C	G9 (P)
4		Bukbuka (Top)	O/C	G10 (P)
5		Bisrampur	O/C	G9 (P)
6		Karkata	O/C	G9 (P)
7	Ashok	Up. Dakra	O/C	G9
8		Lr. Dakra	O/C	G11
9		Bukbuka	O/C	G9
10		Up. Bisrampur	O/C	G 7
11		Lr. Bisrampur	O/C	G8
12		Karkata	O/C	G8 (P)
13		K-1	O/C	G12 (P)
14		K-2	O/C	G10

By P  
27.3.24





CENTRAL COALFIELDS LIMITED  
AREA : NORTH KARANPURA  
COAL GRADES FOR THE YEAR 2024-25

Sl. No.	Colliery	Coal Seam	Location	Approved Grade by CCO for Yr.2024-25 (ROM)
1	KDH	Dakra	O/C	G11 (P)
2		Bukbuka	O/C	G 11
3		Bisrampur	O/C	G 11
4	Dakra	Dakra	O/C	G11
5		Bukbuka	O/C	G10(P)
6		Bisrampur	O/C	G 10
7	Churi Re-Orgn.	Lr.Bachra	U/G ( Bottom 4.6 M)	G7
8		Up.Bachra	U/G	G9(P)
9	Karkata	Dakra	O/C	--
10		Bukbuka	O/C	G10 (P)
11		Bisrampur	O/C	--
12	Rohini	Up.Dakra	O/C	G10(P)
13		Top Lr.Dakra	O/C	G12(P)
14		Midd. Lr.Dakra	O/C	G12
15	Purnadih	Midd.Lr.Dakra	O/C	G11
16		Bot.Lr.Dakra	O/C	G7(P)

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CENTRAL COALFIELDS LIMITED  
AREA : AMRAPALI-CHANDRAGUPT  
COAL GRADES FOR THE YEAR 2024-25

Sl. No.	Colliery	Coal Seam	Location	Approved Grade by CCO for Yr.2024-25 (ROM)
1	Amrapali	I (Top)	O/C	G12 (Prov.)
2		I (T+M+B) Combined	O/C	G11
3		I (T+M)	O/C	G13 (P)
4		I (Bottom)	O/C	G12 (P)
5		IV	O/C	G11
6		III C	O/C	G10 (P)
7		II (Top)	O/C	G12 (P)
8		II (Bottom)	O/C	G11 (P)

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CENTRAL COALFIELDS LIMITED  
AREA : MAGADH SANGHMITRA  
COAL GRADES FOR THE YEAR 2024-25

Sl. No.	Colliery	Coal Seam	Location	Approved Grade by CCO for Yr.2024-25 (ROM)
1	Magadh	IV	O/C	G9
2		III	O/C	G11
3		II (Top)	O/C	G12 (P)
4		I (Top)	O/C	G9
5		I (Middle)	O/C	G12
6		I (Bottom)	O/C	G11
7		(III Bottom+II) Comb.	O/C	G12

*By 27.3.24*

CENTRAL COALFIELDS LIMITED

AREA : RAJHARA

COAL GRADES FOR THE YEAR 2024-25

Sl. No.	Colliery	Coal Seam	Location	Approved Grade by CCO for Yr.2024-25
1	Rajhara	Rajhara Bott.	O/C	G9
2	Tetariakhar	III/II	O/C	G10
3		I	O/C	G11
4		II & III (COMB.)	O/C	G10 (P)
5		I (T+M) COMB.	O/C	G11

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Sl. No.	Colliery	Coal Seam	Location	Approved Grade by CCO for Yr.2024-25 (ROM)
1	Bhurkunda	Up. Semana	U/G	G4 (P)
2		Lr.Semana	U/G	G7 (P)
3		Up. Nakari	U/G	---
4		Lr. Nakari	U/G	---
5		Hathidari	U/G	G7(P)
6		Bansgarha	U/G	G7(P)
7		Argada (Sangam)	O/C	G5(P)
8		Up./Lr. Sirka	O/C	G4(P)
9		Argada-A	O/C(Qry.3)	G6(P)
10		Sayal	O/C	G9(P)
11		Up. Balkudra	O/C	G8(P)
12		Lr. Balkudra	O/C	G 9
13	Urimari U/G (Sayal-D)	Hathidari	U/G	G5 (Prov.)
14		Bansgarha	U/G	G7 (P)
15	Sayal-D OCP	Sayal	O/C	G10
16		Saunda	O/C	G9
17		Upper Balkudra	O/C	G-9 (P)
18	Urimari	Saunda	O/C	G9 (P)
19		Up. Balkudra	O/C	G 8
20		Lr. Balkudra	O/C	G8 (P)
21		Sayal	O/C New Patch Gandhania	G11(P)
22		Balkudra - A	O/C	G8(P)
23	N. Urimari (Birsa)	Argada	O/C	G4(P)
24		Argada-A/Argada-B	O/C	G5(P)
25		Argada (Top)	O/C	G4
26		Argada (Middle)	O/C	G8(P)
27		Argada (A+B)	O/C	G8
28		Argada (M+B)	O/C	G6
29		Argada (Bottom) Comb.	O/C	G8(P)
30	Hindegir	IV	U/G	---

STEAM COAL GRADES  
FOR THE YEAR 2024-25

Sl. No.	Area	Colliery	Coal Seam	Grade for 2024-25 (STEAM)
1	Barka-Sayal	Birsa OCP	Argada (A+B)	G6
2		Birsa OCP	Argada (M+B)	G4(Prov.)
3		Urimari OCP	Upper Balkudra	G6(Prov.)

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CENTRAL COALFIELDS LIMITED

AREA : ARGADA

COAL GRADES FOR THE YEAR 2024-25

Sl. No.	Colliery	Coal Seam	Location	Approved Grade by CCO for Yr.2024-25 (ROM)
1	Gidi-A	Argada	O/C	G6 (P)
2		Argada-A	O/C	G8
3		Argada-B	O/C	G8 (P)
4	Religara	Argada	O/C	G6 (P)
5		Argada-A	O/C	G8 (P)
6		Argada-B	O/C	G9
7		Argada-C	O/C	G8
8		Argada-D	O/C	G8
9	Gidi-C	Argada-A	O/C	---
10		Argada-B	O/C	G6 (P)
11		Argada-C&D	O/C	G6 (P)
12		Argada-L,M,N,O(Comb.)	O/C	G11
13	Sirka	<u>Argada/Argada-A/Sirka</u>	O/C	G5 (P)

STEAM COAL GRADES

FOR THE YEAR 2024-25

Sl. No.	Area	Colliery	Coal Seam	Grade for Yr.2024-25 (STEAM)
1	ARGADA	Religara	Argada-A	G5
2			Argada-B	G6
3			Argada-C	G6
4			Argada-D	G6
5		Gidi-A	Argada-A	G5 (Prov.)
6		Gidi-C	Argada (LMNO)	G6

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## COAL GRADES FOR THE YEAR 2024-25

Sl. No.	Colliery	Coal Seam	Location	Approved Grade by CCO for Yr.2024-25 (ROM)
1	Ara	XI	O/C	WIII (P)
2		X	O/C	WIII (P)
3		V	O/C	WIII (P)
4		VA	O/C	WIII (P)
5		IV	U/G & O/C (Mixed)	WIV (P)
6		III	O/C 16B Qr.	WIV (P)
7	Sarubera	V/VA/IV/III	O/C	WIV (P)
8		II/IIA	U/G 3C/10 No.Inc.	WIV (P)
9		I	U/G/8ABC/3CInc.	W-V(P)
10	Kuju	X(Top/Midd/Bott.)	O/C(Hesagora)	G5 (P)
11		X	O/C	G6 (P)
12	Pundi	VII	O/C	WIII (P)
13		V	O/C	WIII (P)
14		IV	O/C	WIV (P)
15		III	O/C	---
16	Karma	VII	O/C	G6
17		VI	O/C	G7 (P)
18	Topa	XI	O/C	WIV (P)
19		X	O/C	WIV (P)
20		IX	O/C	WIV (P)
21		VIII	O/C	WIV
22		VII	O/C(Topa Re-Org.)	ST. II
23		VI	O/C(Topa Re-Org.)	W-III
24		V	U/G&O/C (Topa Re-Org.)	WIV
25		VA	O/C(Topa Re-Org.)	W-III
26		IV	O/C(Topa Re-Org.)	WIV
27		III	O/C(Topa Re-Org.)	WIV
28	Pindra	IX	U/G	WIV (P)
29		VII/VI	U/G & O/C (Mixed)	WIII (P)
30		V	O/C	WIII (P)
31		IV/III	O/C	WIV (P)

## STEAM COAL GRADES

## FOR THE YEAR 2024-25

Sl. No.	Area	Colliery	Coal Seam	Grade for 2024-25(STEAM)
1	KUJU	Topa	V	WII
2		Karma	VII	G4

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## COAL GRADES FOR THE YEAR 2024-25

Sl. No.	Colliery	Coal Seam	Location	Approved Grade by CCO for Yr.2024-25 (ROM)
1	Tapin (S)	VIII	U/G	WII (P)
2		VIII	O/C	WIII
3		VIIIC	O/C	W I
4		VIIIB	O/C	WIV (P)
5		VIIIA	O/C	WIV (P)
6		VII	O/C	W-II (P)
7		VIIA	O/C	W-IV (P)
8		VII B	O/C	W-IV (P)
9		VI	O/C	WIV
10		VA	O/C	W-III
11		IV/III	O/C	WIV (P)
12		IV/V	O/C	WIV (P)
13	Tapin	II	O/C	WIV
14		IV/V	O/C	WIV (P)
15		VA	O/C	WIV (P)
16		VII	O/C	W-I
17		VIIA/VIIB (Combined)	O/C	W-IV (P)
18		VIII	O/C	WIII (P)
19		IXA	O/C	WII (P)
20		IX	O/C	WII (P)
21	KUGP	VA	U/G	WII (P)
22		VIII	U/G	WIV (P)
23	Jharkhand	V	OC	WIV (P)
24		IV	OC	W-III
25		III	OC	W-III
26		VA	O/C	WIV (P)
27	KOCP	V	O/C	WIV (P)
28		VA/VI/VII (Comb)	O/C	---
29	Laiyo	XI	U/G	WIV (P)
30		V	U/G	WIII (P)
31		VA	U/G	WIV (P)
32	Parej-East	IV	O/C	W IV
33		III	O/C	W IV
34		II Top	O/C	W IV
35		II Bott.	O/C	WIV (P)

STEAM COAL GRADES  
FOR THE YEAR 2024-25

Sl. No.	Area	Colliery	Coal Seam	Grade for 2024-25 (STEAM)
1	Hazaribag	PareJ East	II Top	WII
2			II Bottom	WIII (Prov.)
3			III	St.II
4			IV	W-I (Prov.)
5		Tapin (S)	IV/V	WII
6			VA	W-I (Prov.)
7		Tapin	IV/V	WII
8			VA	WI
9			VIIA/VIIB (Comb)	WI
10		Jharkhand	IV	WII
11			III	W-I (Prov.)



CENTRAL COALFIELDS LIMITED  
AREA : RAJRAPPA  
COAL GRADES FOR THE YEAR 2024-25

Sl. No.	Colliery	Coal Seam	Location	Approved Grade by CCO for Yr.2024-25 (ROM)
1	Rajrappa	VIII A	O/C	WII (P)
2		VII Top	O/C	W-II
3		VII Bottom	O/C	W-II
4		VI	O/C	WIII
5		V	O/C	WIV

STEAM COAL GRADES  
FOR THE YEAR 2024-25

Sl. No.	Area	Colliery	Coal Seam	Grade for 2024-25 (STEAM)
1	Rajrappa	Rajrappa	VI	WII (Prov.)
2		Rajrappa	V	WIII (Prov.)

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CENTRAL COALFIELDS LIMITED  
AREA : KATHARA  
COAL GRADES FOR THE YEAR 2024-25

Sl. No.	Colliery	Coal Seam	Location	Approved Grade by CCO for Yr.2024-25 (ROM)
1	Kathara	Kargali	O/C	W I
2		Kathara	O/C	WIII (P)
3	Jarangdih	Karo Maj.VI	O/C	W-IV
4		Karo Maj.VII	O/C	W-IV
5		Karo Maj.VIII	O/C	W-IV (P)
6		Karo Maj.X	O/C	WIV (P)
7		Bermo	O/C	W-IV (P)
8	Sawang (O/C)	Bermo	O/C	WIV (P)
9		Up.Karo	O/C	WIV (P)
10		Lr.Karo	O/C	WIV (P)
11	Govindpur Phase-II	Bermo	O/C	WIV
12		Up. Karo X	O/C	WIV (P)
13		Lr. Karo VIII	O/C	WIV
14		Lr. Karo VII (Top)	O/C	WIV (P)
15		Lr. Karo VII (Bot.)	O/C	WIV
16		Lr. Karo VI	O/C	W-V
17	Govindpur	JRD 10'	U/G (3&4 Inc.)	WIV (P)
18		JRD 6'	U/G (5&6 Inc)	WIII (P)
19		JRD 18'	U/G (1&2 Inc.)	WIV (P)
20		Kathara	U/G	WIII (P)
21		Swang-C	U/G	WIV
22		Kargali Top/Bot	O/C	WIII (P)
23		Bermo	O/C	WIV (P)

STEAM COAL GRADES  
FOR THE YEAR 2024-25

Sl. No.	Area	Colliery	Coal Seam	Grade for 2024-25 (STEAM)
1	KATHARA	Jarangdih	X	WIII
2			VIII	WIII
3		GVP PH-II	VIII	WII (Prov.)
4		GVP PH-II	X	WII (Prov.)

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CENTRAL COALFIELDS LIMITED

AREA : BOKARO & KARGALI

COAL GRADES FOR THE YEAR 2024-25

Sl. No.	Colliery	Coal Seam	Location	Approved Grade by CCO for Yr.2024-25 (ROM)
1	Bokaro	Kargali	O/C	WII (P)
2		Bermo	O/C	WIV
3	Kargali	Kargali	O/C (Dhori Patch)	WIII (P)
4	Karo-I Project	Karo XI	O/C	WIV (P)
5		Karo X	O/C	WIV
6		Karo IX	O/C	WIV
7		Karo VIII	O/C	WIV (P)
8		Karo VII & VI	O/C	W-V (P)
9		Karo V	U/G	WIV (P)
10		AKK OCP	Karo X	O/C
11	Karo VIII		O/C	W-V
12	Karo VII & VI		O/C	W-IV
13	Karo V		U/G	WIV (P)
14	Karo III		U/G	WIII (P)
15	Karo Proj.II (KSP Phase-II)	Karo V	U/G	WIV (P)

STEAM COAL GRADES

FOR THE YEAR 2024-25

Sl. No.	Area	Colliery	Coal Seam	Grade for 2024-25 (STEAM)
1	B&K	AKK OCP	VIII, VII & VI	WIII
2			X	W I (Prov.)
3		Karo OCP	X	WII

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## COAL GRADES FOR THE YEAR 2024-25

Sl. No.	Colliery	Coal Seam	Location	Approved Grade by CCO for Yr.2024-25 (ROM)
1	Sel.Dhori Open Cast Mine	Karo Maj.(IX-X)	O/C	WIII (P)
2		Karo Maj. VIII	O/C	WIV (P)
3		Karo Maj. VII&VI	O/C	WIII
4		Karo V	O/C	W V
5		Karo III	O/C	WIII
6	Tarmi	Karo Maj V	O/C	W-VI (P)
7		Karo Spl.III	O/C	WIII (P)
8	Amlagamated Amlo Dhori Open Cast Mine	Karo Maj. (IX-X)	O/C	WIII
9		Karo Maj. VIII	O/C	WIV (P)
10		Karo Maj. VII&VI	O/C	WIII
11		Bermo	O/C	WIV
12	Dhori (Khas)	Karo Spl.III (Chapri)	U/G	WII
13		Karo Bott. (Pichari)	O/C	WIV (P)

STEAM COAL GRADES  
FOR THE YEAR 2024-25

Sl. No.	Area	Colliery	Coal Seam	Grade for 2024-25 (STEAM)
1	Dhori	Sel.Dhori Open Cast Mine	VIII	WIII
2		Sel.Dhori Open Cast Mine	III	WII (P)
3		Sel.Dhori Open Cast Mine	V	WIII(P)
4		Tarmi	V	WIII
5		Amlagamated Amlo Dhori Open	VIII	WIII
6		Amlagamated Amlo Dhori Open Cast Mine	VII&VI	WII (P)

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CENTRAL COALFIELDS LIMITED

AREA : GIRIDIH

COAL GRADES FOR THE YEAR 2024-25

Sl. No.	Colliery	Coal Seam	Location	Approved Grade by CCO for Yr.2024-25 (ROM)
1	Giridih	Khandia IV	O/C	---
2		Balihill	O/C	G10 (P)
3		Jatkuti	O/C	G10 (P)
4	PDS/Kabribad	Khandia III/II/I	O/C	G8

STEAM COAL GRADES  
FOR THE YEAR 2024-25

Sl. No.	Area	Colliery	Coal Seam	Proposed Grade for Yr. 2024-25 (STEAM)
1	Giridih	Giridih OCP	Balihill	G7

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Approved Grade  
for Yr. 2024-25  
(STEAM)

# 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%
W-V	: Ash Content Exceeding 35% But Not Exceeding 42%
W-VI	: Ash Content Exceeding 42% But Not Exceeding 49%

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