

COAL GRADES

2019 - 2020



Quality Management Department
CENTRAL COALFIELDS LIMITED

(A Miniratna Company)

DARBHANGA HOUSE, RANCHI - 834029

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Note :

1. (P) – Indicates Provisional Grade approved by CCO.
2. Prov. – Indicates Provisional Grade declared by CCL.



CENTRAL COALFIELDS LIMITED

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



Ref. No. : CCL/HQ/QM/Ann.Gr./2019-20/833

Dated : 25.03.2019
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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 2019-20**

Dear Sir,

In reference to your letter No. CC/Tech/Ann.Gr./CCL/2019-20 dated 13th March 2019 and in pursuance of Gazette Notification of Ministry of Coal, New Delhi, the 24th January, 2019 ; S.O.174 and Clause 4(1) & 4(2) of the Colliery Control Rules, 2004 of Govt. of India, based on Systematic sampling and Scientific analysis, the Grades of Coal seams being worked at different collieries of Central Coalfields Limited for the year 2019-20 are being declared and enclosed herewith.

These Grades will have effect from 00.00 Hrs. of 1st April, 2019.

Yours faithfully,

Nominated Owner/
Director (Tech)(Oprns)

Encl. : As above.

CENTRAL COALFIELDS LIMITED
AREA : PIPARWAR
COAL GRADES FOR THE YEAR 2019-20

| Sl. No. | Colliery | Coal Seam | Location | GCV Band | Grade for 2019-20 (ROM) |
|---------|----------|---------------|----------|-----------|-------------------------|
| 1 | Piparwar | Up.Dakra | O/C | 4301-4600 | G10 |
| 2 | | Lr.Dakra | O/C | 4301-4600 | G10 |
| 3 | | Bukbuka | O/C | 4601-4900 | G9 |
| 4 | | Bukbuka (Top) | O/C | 4301-4600 | G10 |
| 5 | | Bisrampur | O/C | 4601-4900 | G9 |
| 6 | | Karkata | O/C | 4601-4900 | G9 |
| 7 | Ashok | Up. Dakra | O/C | 4601-4900 | G9 (P) |
| 8 | | Lr. Dakra | O/C | 4001-4300 | G11 |
| 9 | | Bukbuka | O/C | 4601-4900 | G9 |
| 10 | | Up. Bisrampur | O/C | 4901-5200 | G8 (P) |
| 11 | | Lr. Bisrampur | O/C | 5801-6100 | G5 |
| 12 | | Karkata | O/C | 4601-4900 | G9 (P) |

GRADE FOR SIDING FOR THE YEAR 2019-20

| Sl. No. | Area | Name of the Siding | Grade for 2019-20 |
|---------|----------|--------------------|-------------------|
| 1 | Piparwar | RCM | G5/G8/G9/G10/G11 |
| 2 | | Bachra Spur | WC(NC)/G9/G10/G11 |

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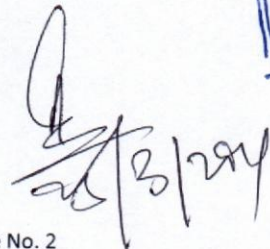
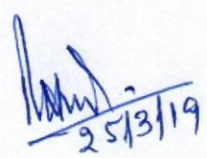
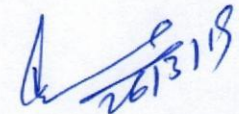
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CENTRAL COALFIELDS LIMITED
AREA : NORTH KARANPURA
COAL GRADES FOR THE YEAR 2019-20

| Sl. No. | Colliery | Coal Seam | Location | GCV Band | Grade for 2019-20 (ROM) |
|---------|----------------|--------------------------------------|----------------|-----------|-------------------------|
| 1 | KDH | Dakra | O/C | 4001-4300 | G11 |
| 2 | | Bukbuka | O/C | 4301-4600 | G10 |
| 3 | | Bisrampur | O/C | 4601-4900 | G9 |
| 4 | Dakra | Dakra | O/C | 4001-4300 | G11 |
| 5 | | Bukbuka | O/C | 4301-4600 | G10 (Prov) |
| 6 | | Bisrampur | O/C | 4601-4900 | G9 |
| 7 | Churi Re-Orgn. | Lr.Bachra | U/G | 5801-6100 | G5 (P) |
| 8 | | Up.Bachra | U/G | 4601-4900 | G9 |
| 9 | Karkata | Dakra | O/C | -- | -- |
| 10 | | Bukbuka | O/C | 4301-4600 | G10 |
| 11 | | Bisrampur | O/C | -- | -- |
| 12 | Rohini | Up.Dakra | O/C | 4301-4600 | G10 |
| 13 | | Top Lr.Dakra | O/C | 3701-4000 | G12 (P) |
| 14 | | Midd. Lr.Dakra | O/C | 3401-3700 | G13 |
| 15 | Purnadih | Midd.Lr.Dakra | O/C | 4001-4300 | G11 |
| 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 |

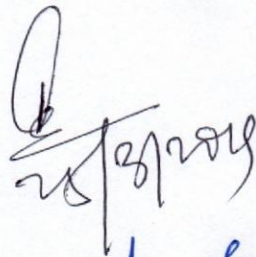
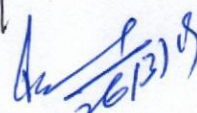
GRADE FOR SIDING FOR THE YEAR 2019-20

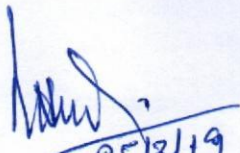
| Sl. No. | Area | Name of the Siding | Grade for 2019-20 |
|---------|-----------------|--------------------|-------------------------------------|
| 1 | North Karanpura | KD (New) | G9/G10/G11/12/ G13/G14 |
| 2 | | Dakra (Manual) | G5/G6/G7/G9/G10/ G11/G12/G13/G14 |
| 3 | | KD (Old) | G9/G10/G11 |

CENTRAL COALFIELDS LIMITED
AREA : MAGADH-AMRAPALI
COAL GRADES FOR THE YEAR 2019-20

| Sl. No. | Colliery | Coal Seam | Location | GCV Band | Grade for 2019-20 (ROM) |
|---------|----------|--------------------|----------|-----------|-------------------------|
| 1 | Amrapali | I (Top) | O/C | 4001-4300 | G11 |
| 2 | | I (T+M+B) Combined | O/C | 4001-4300 | G11 |
| 3 | | I (T+M) | O/C | 4001-4300 | G11 |
| 4 | | I (Bottom) | O/C | 4001-4300 | G11 |
| 5 | | IV | O/C | 4301-4600 | G10 |
| 6 | | III C | O/C | 4301-4600 | G10 |
| 7 | | II (Top) | O/C | 3701-4000 | G12 (P) |
| 8 | | II (Bottom) | O/C | 4001-4300 | G11 |
| 9 | Magadh | IV | O/C | 4001-4300 | G11 |
| 10 | | III | O/C | 4301-4600 | G10 |
| 11 | | II (Top) | O/C | 3701-4000 | G12 |
| 12 | | I (Top) | O/C | 4301-4600 | G10 |
| 13 | | I (Middle) | O/C | 3701-4000 | G12 |
| 14 | | I (Bottom) | O/C | 4001-4300 | G11 |


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CENTRAL COALFIELDS LIMITED
AREA : RAJHARA
COAL GRADES FOR THE YEAR 2019-20

| Sl. No. | Colliery | Coal Seam | Location | GCV Band | Grade for 2019-20 (ROM) |
|---------|-------------|---------------|----------|-----------|-------------------------|
| 1 | Rajhara | Rajhara Bott. | O/C | 4601-4900 | G9 |
| 2 | Tetariakhar | III/II | O/C | 4001-4300 | G11 |
| 3 | | I | O/C | 4301-4600 | G10 |

GRADE FOR SIDING FOR THE YEAR 2019-20

| Sl. No. | Area | Name of the Siding | Grade for 2019-20 |
|---------|---------|--------------------|-------------------|
| 1 | Rajhara | Rajhara | G9 |
| 2 | | Tori | G10/G11/G12 |

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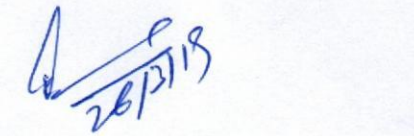
CENTRAL COALFIELDS LIMITED
AREA : BARKA-SAYAL
COAL GRADES FOR THE YEAR 2019-20

| Sl. No. | Colliery | Coal Seam | Location | GCV Band | Grade for 2019-20 (ROM) |
|---------|-----------------------|-----------------------|-------------------------|-----------|-------------------------|
| 1 | Bhurkunda | Up. Semana | U/G | 6101-6400 | G4 |
| 2 | | Lr. Semana | U/G | 5201-5500 | G7 (P) |
| 3 | | Up. Nakari | U/G | --- | --- |
| 4 | | Lr. Nakari | U/G | --- | --- |
| 5 | | Hathidari | U/G | 5201-5500 | G7 |
| 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) | 5501-5800 | G6 |
| 10 | | Sayal | O/C | 4601-4900 | G9 |
| 11 | | Up. Balkudra | O/C | 4901-5200 | G8 |
| 12 | | Lr. Balkudra | O/C | 4901-5200 | G8 |
| 13 | Urimari U/G (Sayal-D) | Hathidari | U/G | 5801-6100 | G5 (P) |
| 14 | | Bansgarha | U/G | 5201-5500 | G7 |
| 15 | Urimari | Saunda | O/C | 4601-4900 | G9 |
| 16 | | Up. Balkudra | O/C | 4601-4900 | G9 |
| 17 | | Lr. Balkudra | O/C | 4901-5200 | G8 |
| 18 | | Sayal | O/C New Patch Gandhania | 3701-4000 | G12 |
| 19 | | Balkudra - A | O/C | 4901-5200 | G8 (Prov) |
| 20 | N. Urimari (Birsa) | Argada | O/C | 6101-6400 | G4 |
| 21 | | Argada-A/Argada-B | O/C | 5801-6100 | G5 |
| 22 | | Argada (Top) | O/C | 5201-5500 | G7 |
| 23 | | Argada (Middle) | O/C | 4901-5200 | G8 |
| 24 | | Argada (A+B) | O/C | 4901-5200 | G8 |
| 25 | | Argada (M+B) | O/C | 5201-5500 | G7 |
| 26 | | Argada (Bottom) Comb. | O/C | 4901-5200 | G8 (P) |
| 27 | Hindegir | IV | U/G | --- | --- |

GRADE FOR SIDING FOR THE YEAR 2019-20

| Sl. No. | Area | Name of the Siding/CHP | Grade for 2019-20 |
|---------|-------------|------------------------|--------------------------------|
| 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 |


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CENTRAL COALFIELDS LIMITED

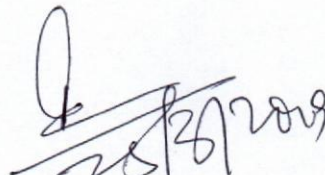
AREA : ARGADA


COAL GRADES FOR THE YEAR 2019-20

| Sl. No. | Colliery | Coal Seam | Location | GCV Band | Grade for 2019-20 (ROM) |
|---------|----------|---|----------|-----------|-------------------------|
| 1 | Gidi-A | Argada | O/C | 5501-5800 | G6 |
| 2 | | Argada-A | O/C | 4901-5200 | G8 |
| 3 | | Argada-B | O/C | 4901-5200 | G8 (P) |
| 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-C | O/C | 4901-5200 | G8 |
| 8 | | Argada-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 | <u>Argada/</u> <u>Argada-A/Sirka</u> | O/C | 5801-6100 | G5 |

GRADE FOR SIDING FOR THE YEAR 2019-20

| Sl. No. | Area | Name of the Siding/CHP | Grade for 2019-20 |
|---------|--------|------------------------|-------------------|
| 1 | Argada | Gidi-A(CHP) | G5/G6/G7/G8/G11 |
| 2 | | Gidi-Washery | WC (NC) |
| 3 | | Sirka(CHP) | G5/G6/G7/G8/G11 |


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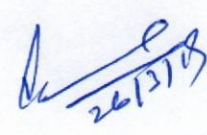
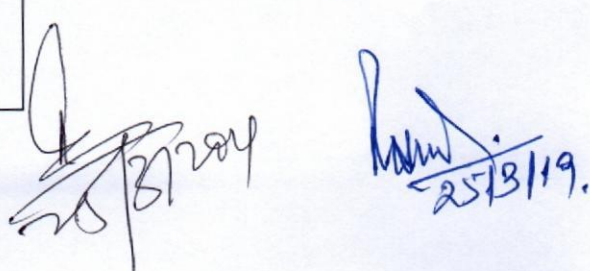

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CENTRAL COALFIELDS LIMITED
AREA : KUJU
COAL GRADES FOR THE YEAR 2019-20

| Sl. No. | Colliery | Coal Seam | Location | GCV Band | Grade for 2019-20 (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 (Mixed) | - | WIV |
| 6 | | III | O/C 16B Qr. | - | WIV |
| 7 | Sarubera | V/VA/IV/III | O/C | - | WIV |
| 8 | | II/IIA | U/G 3C/10 No.Inc. | - | WIV |
| 9 | | I | U/G/8ABC/3CInc. | - | W-VI (Prov) |
| 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 | ---- | ---- |
| 16 | Karma | VII | O/C | 5501-5800 | G6 |
| 17 | | VI | O/C | 5201-5500 | G7 |
| 18 | Topa | XI | O/C | - | WIV |
| 19 | | IX/X | O/C | - | WIV |
| 20 | | VIII | O/C | | WIV |
| 21 | | VI/VII | O/C(Topa Re-Org.) | | WIV |
| 22 | | V | U/G&O/C (Topa Re-Org.) | - | WIV |
| 23 | | VA | O/C(Topa Re-Org.) | - | WIII |
| 24 | | IV/III | O/C(Topa Re-Org.) | | WIV |
| 25 | Pindra | IX | U/G | - | WIV |
| 26 | | VII/VI | U/G & O/C (Mixed) | | WIII |
| 27 | | V | O/C | - | WIII |
| 28 | | IV/III | O/C | - | WIV |

GRADE FOR SIDING FOR THE YEAR 2019-20

| Sl. No. | Area | Name of the Siding | Grade for 2019-20 |
|---------|------|--------------------|---|
| 1 | Kuju | N.R | WIII/WIV/WVI/ G5/G6/G7/G8/G9/ G11/G12 |
| 2 | | Kuju New Siding | WIII/WIV/WVI/ G5/G6/G7/G8/G9/ G10/G11/G12 |

CENTRAL COALFIELDS LIMITED
AREA : HAZARIBAG
COAL GRADES FOR THE YEAR 2019-20

| Sl. No. | Colliery | Coal Seam | Location | Grade for 2019-20 (ROM) |
|---------|------------|--------------------------|----------|-------------------------|
| 1 | Tapin (S) | VIII | U/G | WII |
| 2 | | VIII/VII (Combined) | O/C | WIII |
| 3 | | VIIIA/VIIIB/VIIA/VIIB/VI | O/C | WIV |
| 4 | | IV/III | O/C | WIV |
| 5 | Tapin | II | O/C | WIV |
| 6 | | IV/V | O/C | WIV |
| 7 | | VA | O/C | WIV |
| 8 | | VII | O/C | WII |
| 9 | | VIIA/VIIB (Combined) | 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 | --- |
| 18 | Laiyo | XI | U/G | WIV |
| 19 | | V | U/G | WIII |
| 20 | | VA | U/G | WIV |
| 21 | Parej-East | IV | O/C | WIV (Prov) |
| 22 | | III | O/C | --- |
| 23 | | II Top | O/C | WIV |
| 24 | | II Bott. | O/C | WIV |

COAL [STEAM(MANNUALLY PICKED)] GRADES
FOR THE YEAR 2019-20

| Sl. No. | Area | Colliery | Coal Seam | Grade for 2019-20 (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 2019-20

| Sl. | Area | Name of the Siding | Grade for 2019-20 |
|-----|-----------|--------------------|-------------------|
| 1 | Hazaribag | Chainpur | WC (C)/WC(P)/G5 |



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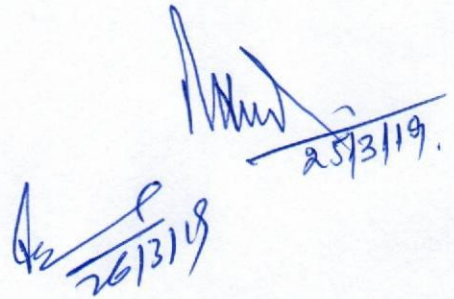
CENTRAL COALFIELDS LIMITED
AREA : RAJRAPPA
COAL GRADES FOR THE YEAR 2019-20

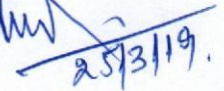
| Sl. No. | Colliery | Coal Seam | Location | Grade for 2019-20 (ROM) |
|---------|----------|------------|----------|-------------------------|
| 1 | Rajrappa | VIII A | O/C | WII |
| 2 | | VII Top | O/C | WII |
| 3 | | VII Bottom | O/C | WIII |

GRADE FOR SIDING FOR THE YEAR 2019-20

| Sl. No. | Area | Name of the Siding/CHP | Grade for 2019-20 |
|---------|----------|------------------------|--------------------|
| 1 | Rajrappa | Rajrappa Washery | WC(CC/PC)/WIV/WIII |


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CENTRAL COALFIELDS LIMITED
AREA : KATHARA
COAL GRADES FOR THE YEAR 2019-20

| Sl. No. | Colliery | Coal Seam | Location | Grade for 2019-20 (ROM) |
|---------|--------------------|---------------------|----------------|-------------------------|
| 1 | Kathara | Kargali | O/C | WII |
| 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 (O/C) | 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 X | O/C | WIV |
| 11 | | Lr. Karo VIII | O/C | WIV (P) |
| 12 | | Lr. Karo VII (Top) | O/C | WIV (Prov) |
| 13 | | Lr. Karo VII (Bot.) | O/C | W-V (Prov) |
| 14 | | Lr. Karo VI | O/C | WIV (Prov) |
| 15 | Govindpur | JRD 10' | U/G (3&4 Inc.) | WIV |
| 16 | | JRD 6' | U/G (5&6 Inc) | WIII |
| 17 | | JRD 18' | U/G (1&2 Inc.) | WIV |
| 18 | | Kathara | U/G | WIII |
| 19 | | Swang-C | U/G | WIV |
| 20 | | Kargali Top/Bot | O/C | WIII |
| 21 | | Bermo | O/C | WIV |

GRADE FOR SIDING FOR THE YEAR 2019-20

| Sl. No. | Area | Name of the Siding/CHP | Grade for 2019-20 |
|---------|---------|------------------------|----------------------------------|
| 1 | Kathara | Jarangdih PF-II | W-V/WIV/WIII/WC(P)/ G8/G9/G10 |
| 2 | | Kathara (Washery) | WC(C)/WC(P) |
| 3 | | Sawang (Washery) | WC(C)/WC(P) |


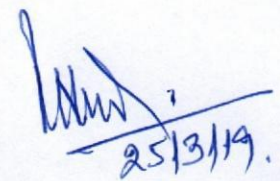
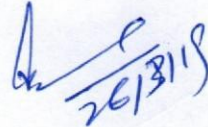
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CENTRAL COALFIELDS LIMITED
AREA : BOKARO & KARGALI
COAL GRADES FOR THE YEAR 2019-20

| Sl. No. | Colliery | Coal Seam | Location | Grade for 2019-20 (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 XI | O/C | WIV (Prov) |
| 5 | | Karo X | O/C | WIV |
| 6 | | Karo IX | O/C | WIV |
| 7 | | Karo VIII | O/C | WIV |
| 8 | | Karo VII & VI | O/C | W-V(Prov) |
| 9 | | Karo VIII, VII & VI (Comb.) | O/C | W-V(Prov) |
| 10 | | Karo V | U/G | WIV |
| 11 | AKK OCP | Karo X | O/C | WIV |
| 12 | | Karo VIII | O/C | W-V (P) |
| 13 | | Karo VII & VI | O/C | W-V (P) |
| 14 | | Karo V | U/G | WIV |
| 15 | | Karo III | U/G | WIII |
| 16 | Karo Proj.II (KSP Phase-II) | Karo V | U/G | WIV |

GRADE FOR SIDING FOR THE YEAR 2019-20

| Sl. No. | Area | Name of the Siding/CHP | Grade for 2019-20 |
|---------|------------------|--------------------------------|-------------------|
| 1 | Bokaro & Kargali | Jarangdih PF-I | WIV/W-V/G8/G9/G10 |
| 2 | | Kargali (Washery PF-II) Karo I | WIV/W-V/G8/G9/G10 |
| 3 | | Kargali (Washery) | WC(C)/WC(P) |



 25/3/19.

 26/3/19

CENTRAL COALFIELDS LIMITED
AREA : DHORI
COAL GRADES FOR THE YEAR 2019-20

| Sl. No. | Colliery | Coal Seam | Location | Grade for 2019-20 (ROM) |
|---------|---------------------------------------|-----------------------------|----------|-------------------------|
| 1 | Sel.Dhori Open Cast Mine | Up.Karo Maj.(IX-X) | O/C | WIII |
| 2 | | Karo Maj. VIII | O/C | WIV |
| 3 | | Karo Maj. VI/VII | O/C | WIV |
| 4 | | Karo Maj VIII/VII/VI (Comb) | O/C | W-V (Prov) |
| 5 | Tarmi | Karo Maj V | O/C | WIV (P) |
| 6 | | Karo Spl.III | O/C | WIII |
| 7 | Amlagamated Amlo Dhori Open Cast Mine | Up.Karo Maj. (IX-X) | O/C | WIII |
| 8 | | Karo Maj. VIII | O/C | WIV |
| 9 | | Karo Maj. VI/VII | O/C | WIV |
| 10 | | Karo Maj VIII/VII/VI (Comb) | O/C | W-V (Prov) |
| 11 | | Bermo | O/C | WIV |
| 12 | Dhori (Khas) | Karo Spl.III(Chapri) | U/G | WII |
| 13 | | Karo Bott.(Pichari) | O/C | WIV |

COAL [STEAM(MANNUALLY PICKED)] GRADES
FOR THE YEAR 2019-20

| Sl. No. | Area | Colliery | Coal Seam | Grade fo 2019-20 (STEAM) |
|---------|-------|---------------------------------------|--------------|--------------------------|
| 1 | Dhori | Sel.Dhori Open Cast Mine | VIII, VII/VI | WIII |
| 2 | | Tarmi | Karo Maj.V | WIII |
| 3 | | Amlagamated Amlo Dhori Open Cast Mine | VIII, VII/VI | WIII |

GRADE FOR SIDINGS FOR THE YEAR 2019-20

| Sl. No. | Area | Name of the Siding | Grade for 2019-20 |
|---------|-------|--------------------|-------------------------|
| 1 | Dhori | Tarmi | WIV/W-V/G8/G10 |
| 2 | | Sel.Dhori | WIII/WIV |
| 3 | | Dhori L-1 | WIII/WIV/W-V/ G8/G10 |
| 4 | | Dhori L-2 | WIV/W-V/G8/G10 |

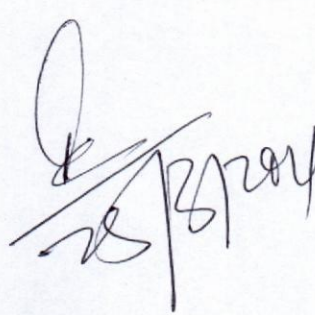
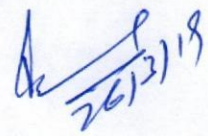
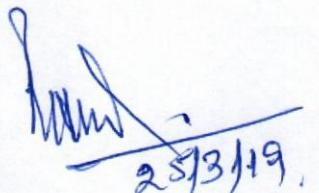
25/3/2019
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CENTRAL COALFIELDS LIMITED
AREA : GIRIDIH
COAL GRADES FOR THE YEAR 2019-20

| Sl. No. | Colliery | Coal Seam | Location | GCV Band | Grade for 2019-20 (ROM) |
|---------|----------|------------------|------------------|-----------|-------------------------|
| 1 | Giridih | Khandia IV | O/C | --- | --- |
| 2 | | Khandia III/II/I | O/C)PDS/Kabribad | 4901-5200 | G8 |
| 3 | | Balihill | O/C | 4301-4600 | G10 |
| 4 | | Jatkuti | O/C | 4301-4600 | G10 |

GRADE FOR SIDING FOR THE YEAR 2019-20

| Sl. No. | Area | Name of the Siding | Grade for 2019-20 |
|---------|---------|--------------------|-------------------|
| 1 | Giridih | Giridih (CP) | G8/G10 |




25/3/19

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