

### **Brief Introduction of Sijua Area and its location:**

Sijua Area of BCCL is spread over a leasehold area of 1900 Ha, with mineable reserve of 520 Mill. Te as on 01.04.2022. The area contributes significantly to the tune of 10% of total Coal production and dispatch in BCCL. The total manpower strength of the area as on 01.07.2022 is 2840.

The area is well connected to road and rail. Most of the mines are situated along DB Road joining Kirkend and Katras. Nearest railway station is Tetulmari. The area and mines are situated at a distance of around 8-12 KMs from Dhanbad Junction, which is well connected to major cities of country. The nearest airport is Birsa Munda Airport, Ranchi.

The area produced highest ever production of 3.43 Mil. Te of Coal and dispatched 3.86 Mill. Te of coal in the financial year 2021-22.

The area constitutes of 06 producing and 01 Non-operating mine.

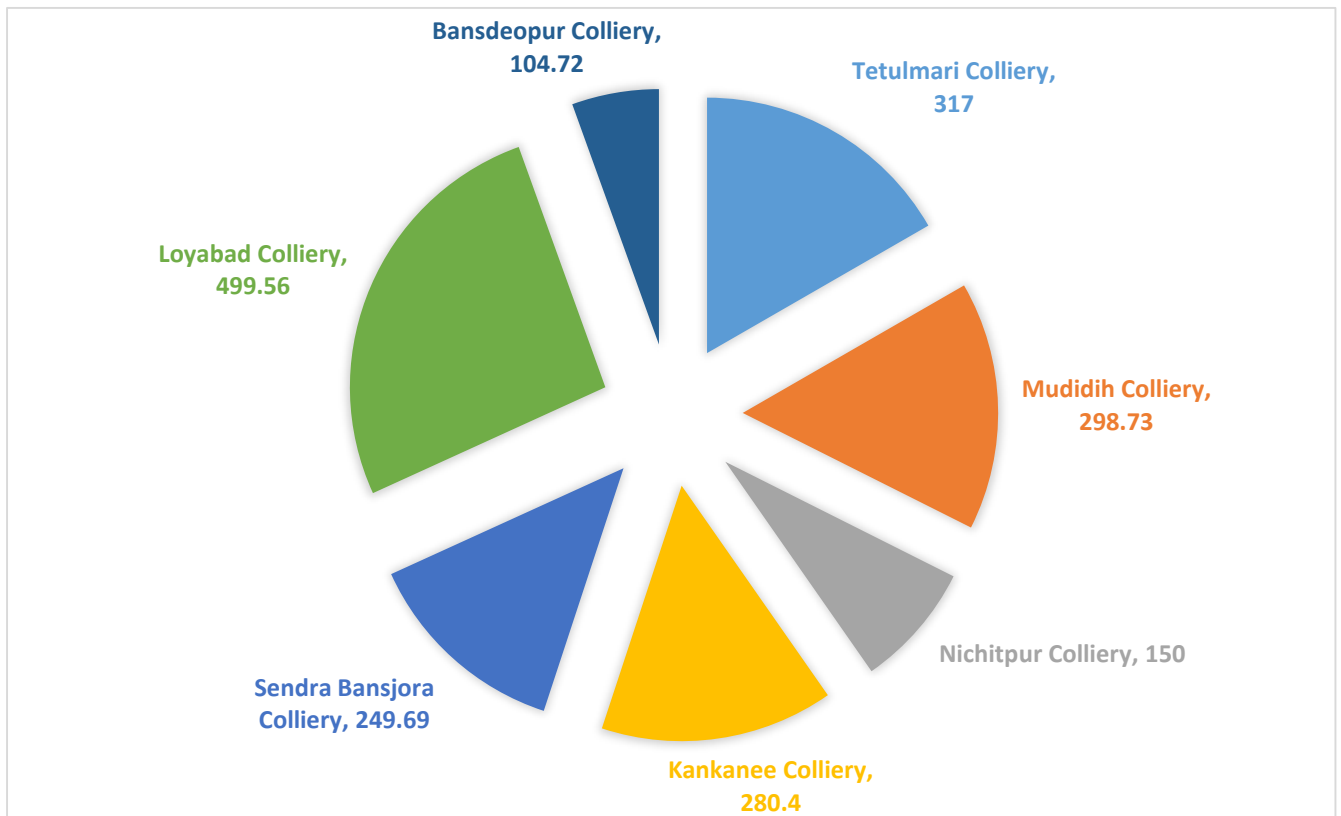
#### **Producing Mines:**

- |                             |  |
|-----------------------------|--|
| 1) Tetulmari Colliery       | - 01 Departmental OCP and 01 UG.       |
| 2) Nichitpur Colliery       | - 01 Hired OCP and 01 Departmental OCP |
| 3) Sendra Bansjora Colliery | - 01 Hired OCP                         |
| 4) Bansdeopur Colliery      | - 01 Departmental OCP                  |
| 5) Mudidih Colliery         | - 01 Hired OCP                         |
| 6) Kankanee Colliery        | - 01 Hired OCP                         |

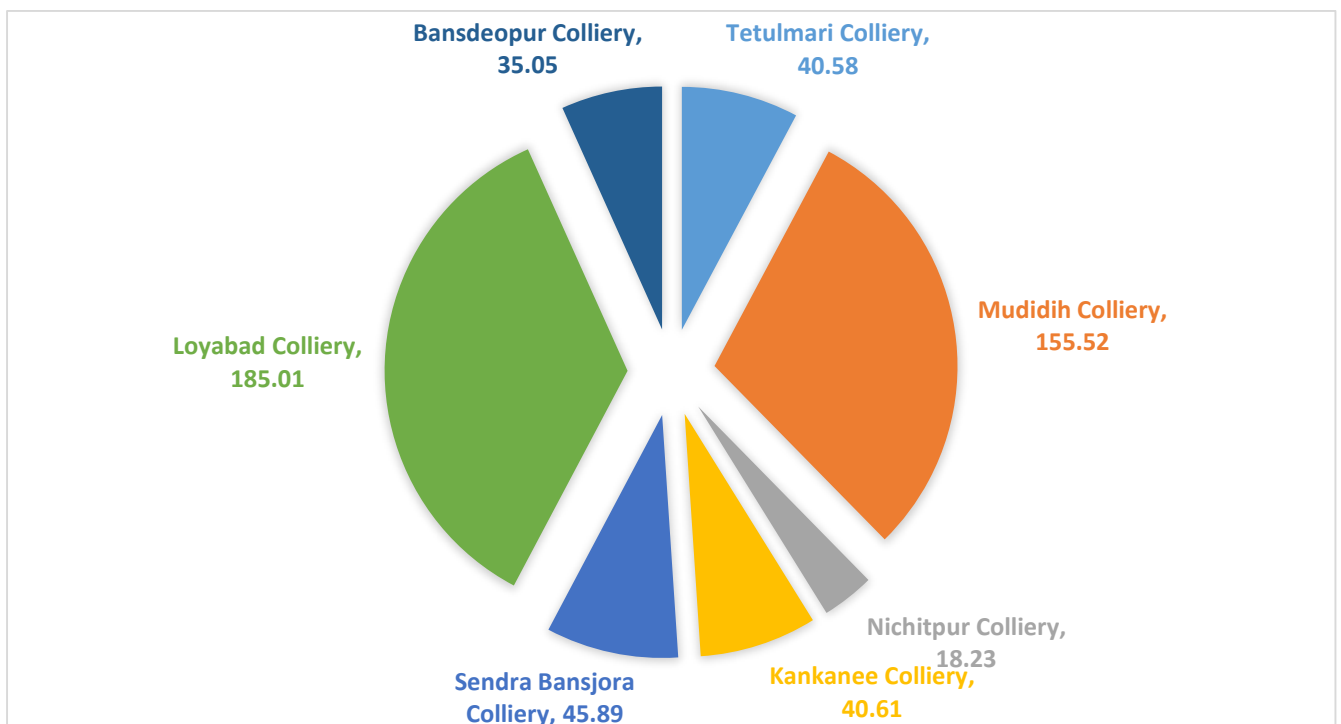
#### **Non-Producing Mines:**

- |                     |                                 |
|---------------------|---------------------------------|
| 1) Loyabad Colliery | - UG is stopped for production. |
|---------------------|---------------------------------|

**Mine-wise Lease distribution: (in Ha)**



**Mine-wise mineable coal reserve as on 01.04.2022: (in Mill. Te.)**



## **Brief introduction of Mines of Sijua Area:**

### **MUDIDIH COLLIERY:**

It has one Underground pumping district purely operative to supply domestic water to colonies. Alternative arrangement is planned to supply domestic water and close the underground district. One hired HEMM patch started in September 2021 for seam no. VII, VIII, VIII A, VIIC, X, XI, XII and XIII. Evacuation of encroachers by JRDA scheme from mine leasehold area and acquisition of tenancy land are the major activities at present.

### **KANKANEE COLLIERY:**

It has one opencast production unit operated by hired HEMM Patch basis. It's all U/G parts are closed and sealed/covered at the surface. Presently two Hired HEMM patch awarded, one patch B for extraction of Coal from XIII, XIV and XV seams, another Hired HEMM patch D awarded for extraction of X, XI, XII, XIII, XIV and XV both patches are operative today.

### **LOYABAD COLLIERY:**

At present, this UG mine is inoperative and only pumping work is in progress by submersible pump. The working of this colliery was stopped due to steep gradient unsuitable for SDL deployment. A tender for extraction of coal by mass production technology in MDO mode through revenue sharing model has been floated.

### **BANSDEOPUR COLLIERY:**

Bansdeopur colliery is divided into two parts by 72 meter upthrow fault. Currently working is being done departmentally in XIII & XIV seams. X seam is fiery seam and will be dealt accordingly with fire-fighting techniques to extract coal from it after fully extraction from XIII & XIV seam.

### **SENDRA BANSJORA COLLIERY:**

It has one opencast production unit operated on hired HEMM basis. At present IV, V/VI, VII, VIII/ VIII A and X seam are being extracted in this mine. It is a fiery mine and a lot of fire-fighting activities are carried out to deal with it.

### **Development Activities**

UG part of this mine is now completely closed and waterlogged. A lot of fire prevention activities have been taken up under the guidance of CIMFR and DGMS to save Dhanbad-Chandrapura railway line which is threatened by fire. This DC railway track was stopped after 15<sup>th</sup> June, 2017 but now its operation resumed again. Nagri Jore, which is flowing over loose ground causing seepage of rain water to the mine is laid with semi-circular hume pipes for free flowing of water. Evacuation of encroachers

by JRDA scheme from mine leasehold area and shifting of one Shiv Mandir are the major activities at present.

#### **TETULMARI COLLIERY:**

It has one producing units namely Tetulmari OCP. TOCP is a departmental opencast mine on east side of Sijua - Rajganj Road. Opencast extraction is being done in VIII and VIIIA seam and backfilling with overburden. It has also two UG units namely MAP-3 Incline and PST-2 Incline where pumping operation is going on presently. In PST-2 Incline production process will be started shortly after obtaining working permission from DGMS.

#### **NICHITPUR COLLIERY:**

It has two production units Nichitpur OC (Deptt.) and Nichitpur OC (Hired). Opencast mining is being done with II seam as base of quarry. At present, only II and III seam is being worked in Nichitpur colliery in departmental and hired HEMM portions. Seam No. VIII, VII, VI/V, IV, III and II are present and presently coal is being extracted from seam no. V/VI, IV and III. No fire exists in this mine.

#### **Development Activities**

Evacuation of illegally encroached land on the S-E side is needed to extend the life of this mine and for extraction of IV, V/VI, VII, VIII/VIIIA seam in future. Also, evacuation of illegal hutments is needed for extension of present working of II and III seam.

#### **Growth plan and future prospect of the area:**

- One Hired patch has been tendered at Tetulmari Colliery for extraction of 3.00 LMT of coal using blast-free technology (Ripper + Excavator)
- One Hired patch has been estimated and proposed for approval for extraction of 13.65 LMT of coal at Tetulmari Colliery.
- A tender for extraction of 25 Mill. Te. Of coal by mechanized UG through MDO mode for a period of 25 Years, adapting revenue sharing model has been floated. Date of opening of Tender – 20.08.2022.
- One Hired Patch at Kankanee Colliery has been awarded for extraction of 85 Mill. Te of coal for a period of 07 Years. Expected to commence in current Financial Year.
- One patch has been identified at the barrier of Nichitpur Colliery and Sendra Bansjora Colliery with an estimated quantity of 20 LMT of coal, which will be proposed after completion of operating Hired Patch, Sendra Bansjora Patch-X.

**PME REPORT 2016 to 2022 (Up to July '2022)**

Name of unit	2017	2018	2019	2020	2021	2022 (Up to July 2022)
Mudidih	252	219	215	68	133	93
Kankanee	52	24	54	44	49	18
Loyabad	83	56	48	21	41	22
Bansdeopur	50	23	31	14	66	12
Sendra Bansjora	130	84	145	93	101	106
Tetulmari	436	396	386	81	310	77
Nichitpur	224	183	194	24	134	134
R.H. Loyabad	149	18	166	00	86	12
Area Office	04					
<b>Total</b>	<b>1380</b>	<b>1003</b>	<b>1239</b>	<b>345</b>	<b>852</b>	<b>474</b>

**ACCIDENT STATISTICS FROM 2016 TO 2022 (Up to July '2022) (F-Fatal, S- Serious, R- Reportable)**

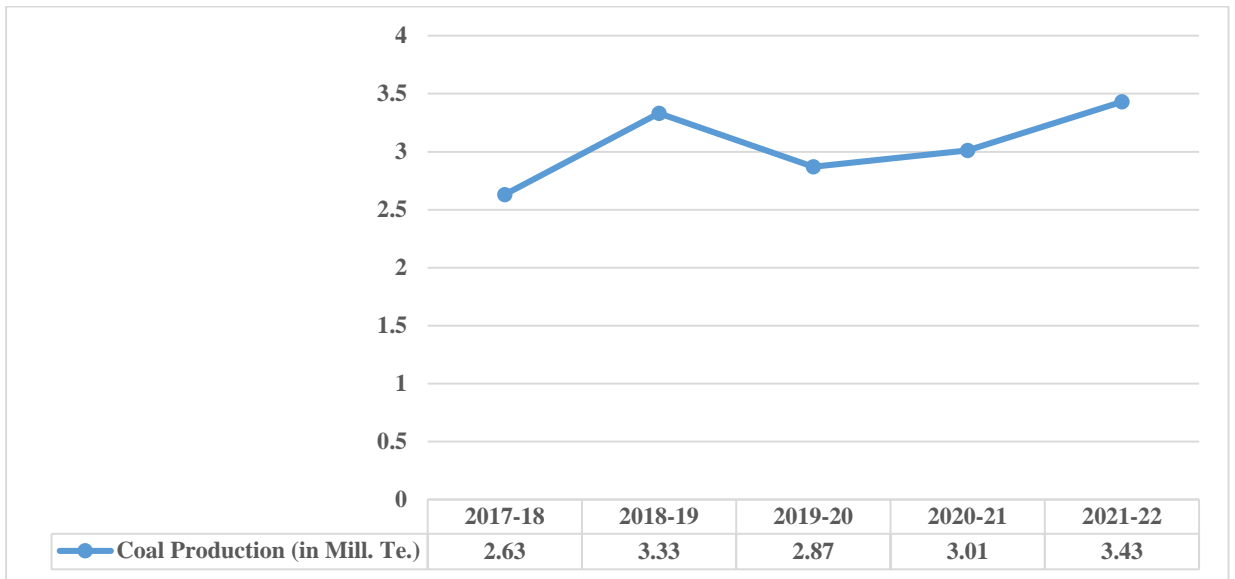
Sl. No.	Name of Units	2017			2018			2019			2020			2021			2022 (Up to July 2022)			
		F	S	R	F	S	R	F	S	R	F	S	R	F	S	R	F	S	R	
1	MUDIDIH	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
2	KANKANEE	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
3	LOYABAD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	BANSDEOPUR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	S.BANSJORA	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
6	TETULMARI	0	0	0	0	0	0	0	1	0	0	0	2	0	0	0	0	0	0	0
7	NICHITPUR	0	0	0	0	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0
	<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

**STATUS OF RESCUE TRAINED PERSONS**

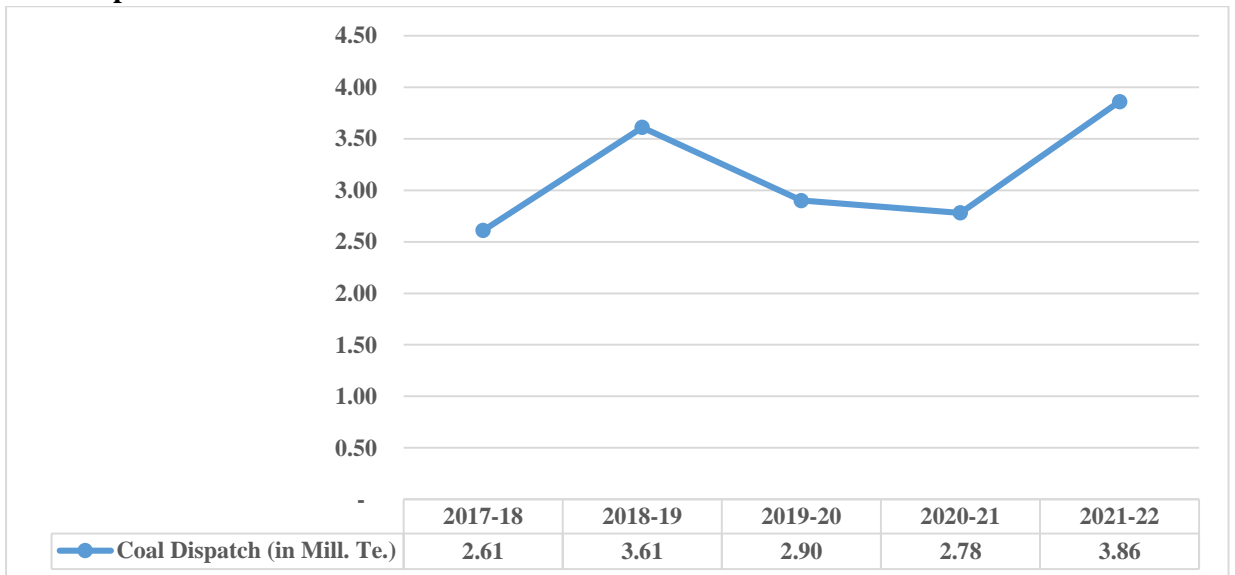
<b>NAME OF MINE</b>	<b>RESCUE TRAINED</b>
<b>MUDIDIH</b>	06
<b>KANKANEE</b>	05
<b>BANSDEOPUR</b>	03
<b>SENDRA BANSJORA</b>	05
<b>TETULMARI</b>	11
<b>NICHITPUR</b>	06
<b>TOTAL</b>	<b>36</b>

**Physical Performance of the area (Last Five Years):**

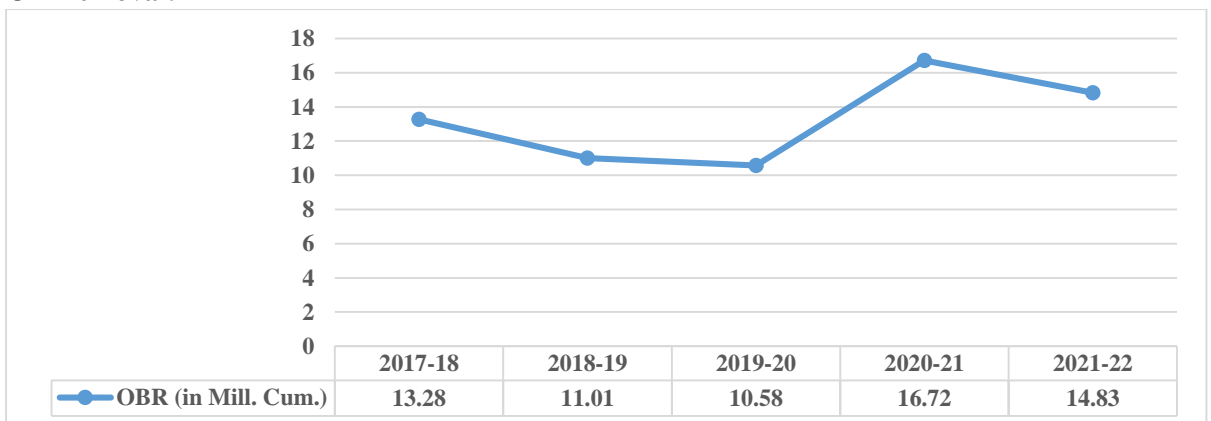
**1) Coal Production:**



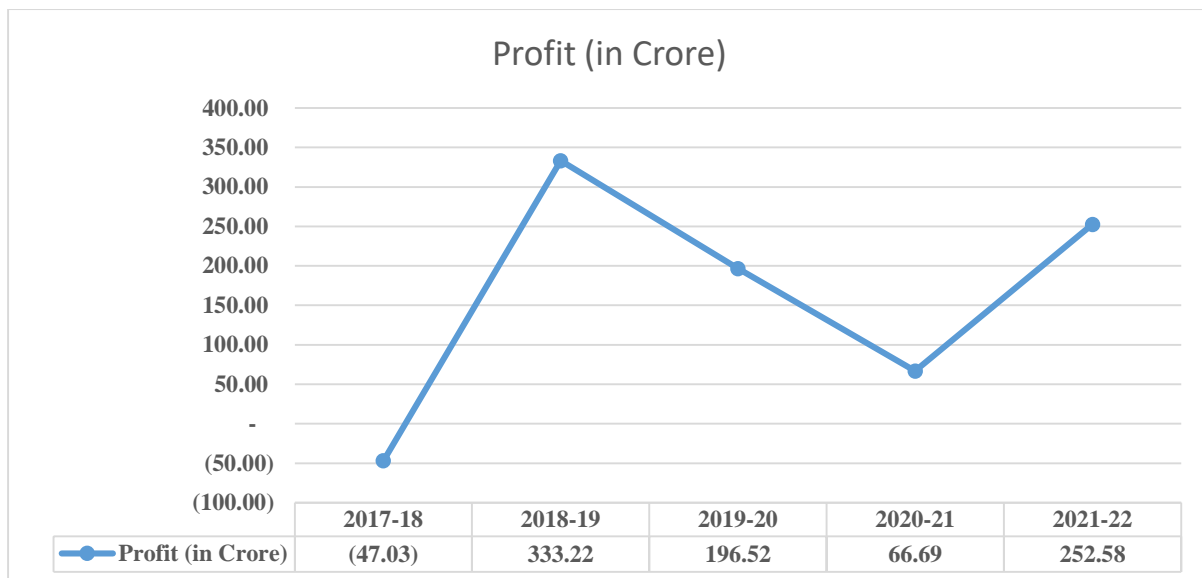
**2) Coal Dispatch:**



**3) OB Removal:**



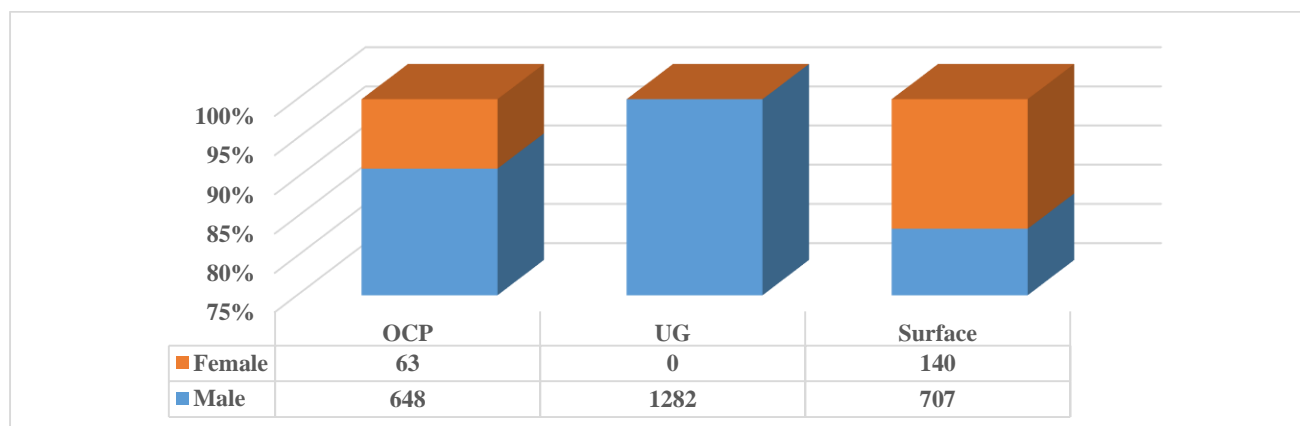
### Financial Performance of the Area (Last 05 Years)



### Category-wise/Gender-wise Manpower Details: (As on 01.07.2022)

SN	Category	Total Manpower	Male	Female
1	Executives	141	139	2
2	MR T&S Grade	266	252	14
3	Clerical	119	118	1
4	Time Rated	1846	1661	185
5	Excavation	416	416	0
6	Piece Rated	0	0	0
7	Casual	0	0	0
8	Badli	2	2	0
9	Trainees	50	49	1
<b>Total Manpower</b>		<b>2840</b>	<b>2637</b>	<b>203</b>

### Place of deployment-wise Manpower distribution (As on 01.07.2022):



**Colliery/Establishment-wise Manpower Distribution (As on 01.07.2022):**

Name of the Colliery/Establishments	Executive				Non-Executive				Total
	UG	OCP	Others	Total	UG	OCP	Others	Total	
Mudidih Colliery	12	0	1	13	267	0	68	335	348
Tetulmari Colliery	21	4	1	26	536	363	74	973	999
Loyabad Colliery	0	0	2	2	23	0	52	75	77
Sendra Bansjora Colliery	0	1	10	11	156	21	125	302	313
Nichitpur Colliery	0	23	0	23	0	477	0	477	500
Bansdeopur Colliery	0	0	10	10	9	0	81	90	100
Kankanee Colliery	0	5	2	7	87	0	29	116	123
Reg. Hospital Loyabad	0	0	7	7	0	0	52	52	59
Loyabad Workshop	0	0	0	0	0	0	6	6	6
Auto Workshop Sendra	0	0	0	0	0	0	36	36	36
Area Office	0	0	42	42	0	0	237	237	279
<b>Total</b>	<b>33</b>	<b>33</b>	<b>75</b>	<b>141</b>	<b>1078</b>	<b>861</b>	<b>760</b>	<b>2699</b>	<b>2840</b>

**Exemplary Works: Accessory to Production:**

- ✓ 18,000 no. of plant saplings of native species has been planted along Ekra Jore as Riverside plantation scheme by the Dept. of Forest, Dhanbad.
- ✓ 560 no. of Gabion plantation has been done along the road from Loyabad Police station to Punjabi More & Naya More to Subhash Chowk.
- ✓ Tapovan Bio-diversity Park, Tetulmari, being one of the first site taken over by FRI, Dehradun on Old OB dump in 2014-15, has been developed within an area of 8 Ha. as the replica of Forest ecology, which makes it self-sustainable ecosystem.
- ✓ Considering the success of Tapovan Bio-diversity Park at Tetulmari, another site at Nichitpur has been developed departmentally in 2016-17 following the foot step of FRI, Dehradun.
- ✓ Installation of 04 nos. of Real-time Online PM10 Analyzers have been done in different collieries of Sijua Area.



**बायोसीएल का सिडबॉल क्षेत्र में एक प्रयोग की कोल इंडिया ने की सराहना, ईको रेस्टोरेशन पर जोर**

## सीडबॉल से पथरीले पहाड़ को कर दिया हरा भरा

**राजभाद | मुकेश सिंह**

बायोसीएल के सिडबॉल में पथरीले पहाड़ को सीडबॉल की मदद से हरा भरा बनाने की पहल को कोल इंडिया ने सराहना की है। दरस इंडिया में फैले ओबी डंप को सीडबॉल के सहारे हरा भरा किया गया है। यहां कई औद्योगिक पीछे लगाए गए हैं।

कोल इंडिया ने अपने टिक्टोर क्षेत्र पर नवीन भी जारी की है। इस ओबी डंप को सीडबॉल के रूप में विकसित किया जा रहा है, जो कोपला कंपनियों के लिए नवीन है। इससे इस बात को खल मिला है कि सिडबॉल क्षेत्र में ओबी डंप ने खड़ा पथरीला पहाड़ और बाद में आई हरियाली। खनन के बाद भी जमीन को उपयोगी बनाना जा सकता है। बायोसीएल पर्यावरण विभाग के एचओडी रंजीत कुमार कहते हैं कि यह एक दशक की मेहनत का फल है। सीडबॉल के साथ पौधरोपण भी किया गया है। दरस इंडिया के पहाड़ को विस्तृत पारिस्थितिकी संवर्धन क्षेत्र के रूप में विकसित किया जा रहा है। जमीन पर पहले धास उगाए गए, फिर पौधरोपण किया गया। एफआरआई देहरादून से इसके लिए 2010 में ही करार किया गया था। पत्थर पर हरियाली लाने में काफी बकल लाग। अभी हाल में एफआरआई की टीम ने जांच की तो पौधरोपण वाले नतीजे आए। कुनिम तरीके से तैयार इस प्राकृतिक हरियाली ने प्रदूषण के खिलाफ बड़ी सफलता हासिल की है।

**23** ईकोलॉजिकल पार्क है कोल कंपनियों में

**15** ईको पार्क टूरिज्म सर्किट से जुड़े हुए हैं

- ✓ Construction of Flower Garden and spreading of Carpet grass, plantation of Ornamental plants & seasonal flowers at Sijua Area office to increase the aesthetic view of the office.
- ✓ Carpet grass laying and Ornamental Plants at MT Hostel, Sijua area.
- ✓ Construction of Wheel Washing Ditch at Sendra Bansjora Weigh Bridge.



Good work done by Sh Rajesh Kumar, ACE, SIJUA and his team. 👍👍

- ✓ Renovation of Regional hospital Loyabad for improving the accessibility of Health care facilities in the FY 2021-22.
- ✓ Laying of Hume-pipe along the seasonal Nagri Jore to check the ingress of run-off water into mines during monsoon.
- ✓ Renovation of Ekra Jore Dam at Loyabad Coke plant.
- ✓ A letter of Recognition from the local residents.



सेवा में  
 महाप्रबन्धक महोदय  
 सिजुआ क्षेत्र-V

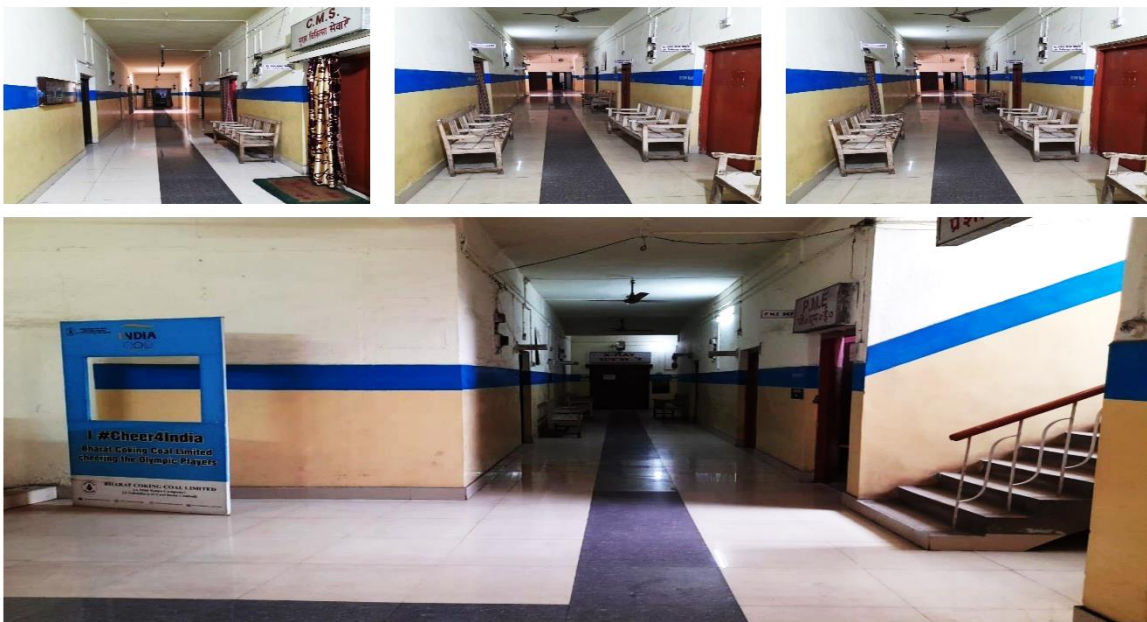
दिनांक - 23/8/2022

विषय-लोयाबाद कोकलान नदी डैम प्रोटेक्शन की भरमात करने के उपलक्ष में धन्वाद् अधिवादन करने के संबंध में महाराज

कठिनाई पूर्वक सूचित किया है कि लोयाबाद कोकलान नदी डैम प्रोटेक्शन की भरमात कई वर्षों से लंबित था जो सफलता पूर्वक की गयी थी। एत (विशेष) द्वारा सफर हो जाने पर वहाँ के निवासी आप सभी का आभार व्यक्त करते हुए सभी कोटि-कोटि धन्वाद् करती है।

भरदीप  
 लोयाबाद कोकलान निवासी  
 Anand Kumar  
 Anand Kumar  
 विनोद राजवार  
 रविंद्र राजवार  
 Ishwar Kumar  
 Rakshit Kumar  
 राजेश कुमार  
 प्रदीप पाशवान  
 राजेश राजवार  
 राज कुमार भुईरत  
 गान्त पाशवान  
 मनोज पाशवान  
 गति

Am (Civil)  
 24/8/22



- ✓ Small step to Green Energy: Ground mounted 10 kW capacity of grid connected Solar Power Plant with Battery storage in Magazine of Sijua has been installed and will be operational soon after test run.

