

सेन्ट्रल कोलफील्ड्स लिमिटेड हजारीबाग क्षेत्र, चरही

1. CCL, Hazaribagh Area, Charhi
2. History of CCL, Hazaribagh Area, Charhi

Central Coalfields Limited is one subsidiary of Coal India Limited. Hazaribagh Area is one Area amongst Twelve Area of Central Coalfields Limited, Ranchi.

Following are the Projects of Hazaribagh Area.

A. Parej East OCP

Parej East Opencast Project is a part of CCL, Hazaribagh Area. It is located in West Bokaro Coalfield. Parej East OCP is 12 KM away from Charhi on NH-33. The Project Report for Parej East was sanctioned for a rated capacity of 1.75 MTY in March'93.

Parej East OCP is producing W-IV & G-9 grade of coal. Coal is dispatched to NR Siding, TTPS, Lalpania and by road sale.

B. Tapin North OCP

Tapin North Opencast Project is a part of CCL, Hazaribagh Area. It is located in Tapin Block of Hazaribagh District & is situated in the North-Western part of the West Bokaro Coalfield and lies adjoining to Parej East OCP. It is about 7 KM east of Charhi village, which lies on NH-33. Project Report of Tapin North was approved by CCLBoard in Oct'1986.

Tapin North Opencast Project is producing W-III & W-IV grade of coal. W-III coal is linked with washery, while W-IV coal is dispatched to NR Siding, TTPS, Lalpania and by road sale.

C. Tapin South OCP

Tapin South Opencast Project is a part of CCL, Hazaribagh Area. It is located in Tapin Block of Hazaribagh District & situated in the North-Western part of West Bokaro Coalfield which lies adjoining to Parej East OCP. It is about 7 KM east of Charhi village, which lies on NH-33.

Presently, Tapin South OCP has been outsourced to M/s Hindustan Steelworks Construction Ltd, Bokaro for coal production as well as overburden removal.

Tapin South OCP is producing W-IV grade of coal. One part of this coal is linked to Washery and rest part is dispatched to NR Siding.

D. Kedla OCP

Kedla Opencast Project is a part of CCL, Hazaribagh Area. In West Bokaro Coalfield, Kedla Opencast Project is located 20 KM towards south-east of Charhi. The Feasibility Report for Kedla OCP was approved in Sept'1979.

Kedla OCP is producing W-IV grade of coal. Coal is dispatched to NR Siding and by road sale. This coal is also linked with Washery.

E. Jharkhand OCP

Jharkhand Opencast Project is a part of CCL, Hazaribagh Area. It is situated in the North-Western part of the West Bokaro Coalfield. The western boundary of Jharkhand coincides with Kedla Opencast Project. Its Feasibility Report was approved in 1976. This Project is 22 KM away from Charhi NH-33. Another approach is through Giddy Washery road, which is 12 KM.

Jharkhand OCP is producing W-IV grade of coal. Coal is dispatched to NR Siding, TTPS Lalpania and by road sale. This coal is also linked with Washery.

F. Kedla Underground Project

Kedla underground Project is a part of CCL, Hazaribagh Area. N.C.D.C. conducted drilling and exploration work from 1965 to 1968 in Kelda Block and a Geological report was drawn up in November 1972. Based on the report, Kedla Underground was approved in June 1975 for production of medium coking coal. Kedla underground Project is situated in the eastern part of West Bokaro Coalfield. The western limit forms a common boundary with west Bokaro Colliery of TISCO. This Project is about 20 KM away from Charhi NH-33.

This U/G Mine is being worked through Inclines.

Kedla underground Project is producing W-III grade of coal. Entire coal of the Project is linked to Washery.

Manpower of CCL, Hazaribagh Area, Charhi

| SN | Units of CCL, Hazaribagh Area, Charhi | Manpower |
|-----|---------------------------------------|----------|
| 1. | Tapin North Opencast Project | 552 |
| 2. | Tapin South Opencast Project | 80 |
| 3. | Parej East Opencast Project | 685 |
| 4. | Kedla Opencast Project | 466 |
| 5. | Jharkhand Opencast | 531 |
| 6. | Kedla Underground Mine | 707 |
| 7. | Kedla Washery | 439 |
| 8. | RR Shop | 94 |
| 9. | RSP | 39 |
| 10. | GM Unit | 282 |
| 11. | S.Ch | 20 |
| 12. | JRH | 32 |
| 13. | Total | 3927 |

3. Source Map- Map Enclosed (Not to scale) – ANNEXURE - II

| Unit | Equipment available | Nos | Contact person | Contact no. |
|---------------------------|---|------|---|-------------|
| Parej Opencast | Fire Tender | 1 no | Sri P.K.Nayak, Project Officer | 8987784309 |
| | Crane 12 Ton | 1 no | | |
| Tapin North OC | Crane 12 Ton | 1 no | Sri R.D.Singh, Project Officer | 8987784299 |
| | Water Tanker | 1 no | | |
| RR Shop, Parej | Water Tanker | 1 no | Sri Rameshwar Kumar, Project Officer | 8987784328 |
| Kedla Underground Project | Mini Rescue Van Equipped with (a). Breathing apparatus – 12 nos (b). Folding stretchers – 2 nos (c). Blanket – 2 nos (d). Oxygen reviving apparatus- 2 nos (e). Oxygen cylinder – 2 nos (f). Self rescuer – 4 nos. | 1 no | Sri. S.K.Parsharey, Project Officer | 8987784327 |

4. Recovery Plan – Enclosed as ANNEXURE –I.

5. Training Plan- As per VT Rule

- (i) Initial Training – At the time of appointment
- (ii) Refresher training – In every Five years
- (iii) Special Training – As and when required

Safety meetings and review on safety & healthy working held at different level

- (i) Mine level- Safety address at pit top on every morning, Monthly safety Meeting
- (ii) Area Level- tripartite meeting on safety(with Unions attached with mines, Directorate General of Mines Safety and Management)
- (iii) At Head Quarter Level – Bipartite Meeting on Safety (with Directorate General of Mines Safety and Management)

Safety Management Plan framed for safe working to achieve “zero” Accident potential.

6. Mock Drill – For Fire and Inundation. Mock drill is practiced frequently.

7. Equipments to fight against any possible Disaster- with contact details mentioned at point no. 3.

Details of Hospitals with available facilities

(a). Hospitals/Trauma Centre:

3 nos.(Area Office- Charhi, Shramik Chikitsalya, Parej & Jubilee Hospital- Kedla U/G)

(b). Dispensary:

4 nos(Tapin, Parej, Jharkhand & Kedla U/G)

(c). Hospitals & dispensaries are equipped with following facilities/resources:

| SN | Name of Hospital /dispensary | Ambulance | No. of Beds | Doctor in charge | Contact no. |
|-------|------------------------------|-----------|-------------|------------------|-------------|
| (i) | Charhi Dispensary | 1 no. | 1 no. | Dr. Anil Kumar | 9534211341 |
| (ii) | Shramik Chikitsalya Tapin | 1 no. | 20 nos. | Dr.B.D.Choudhary | 9431527175 |
| (iii) | Jubilee Hospital, Kedla | 1 no. | 1 no. | Dr.M Choudhary | 9934315762 |
| (iv) | Tapin North Dispensary | 1 no. | 1 no. | Dr. Anil Kumar | 9534211341 |
| (v) | Parej Dispensary | 1 no. | 1 no. | Dr.B.D.Choudhary | 9431527175 |
| (vi) | Jharkhand Dispensary | 1 no. | 2 nos. | Dr.A.K.Toppo | 9279286814 |
| (vii) | Kedla U/G Dispensary | 1 no. | 1 no. | Dr.S.K.Singh | 9031786724 |

8. **Review Plan after Disaster** – After any disaster, the following steps are taken for finding the cause of the disaster, fixing the responsibility of accident and also for adopting safe practices for prevention of the re- occurrence of the same.

(i) Enquiry by Safety Officer

(ii) Enquiry by Internal Safety Organization

(iii) Enquiry by Directorate of Mines Safety

(iv) Court of Enquiry

Specific recommendations in the form of circulars/bye laws issued by DGMS after any disaster are strictly complied.

RECOVERY PLAN**STEP BY STEP ACTION PLAN DURING AND AFTER ANY DISASTER**

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| Any person in Mine no.1,2&3 | On realizing that anything serious has happened (explosive, fire & inundation) below ground he will immediately inform the mining official-mine in-charge, mining sirdar and overman whoever present in U/G. He will also inform to attendance clerk by telephone. |
| Mining official-Mine in-charge, General shift O/M or M/Sirdar of Mine No. 1,2,3 who ever is present below ground. | On hearing the information about the emergency verify the correctness of information and send information by a special messenger to- a) Other parts of Mine wherever any person is present deployed like pump house, Tugger haulage room & all working faces. b) To any mine official who is present in the U/G working at that time. He will also inform to attendance clerk by U/G Telephone. On verification of incident try to withdraw all work presents through a escape route which is demarcated by red color. Escape route for mine no. 1,2,3 travelling roadway(Escape route shown on plan) If unsuccessful in escaping withdraw all people to the safe position and wait for rescue. |
| Attendance clerk mine no. 1,2,3 | On receiving information of emergency in U/G he will send information to the following person Concerned Mine In-charge, S.O,S.O.M, P.O Kedla, Rescue Room In-charge, PE(E&M),VHF operator and lamp room in-charge. He will sound the emergency siren continuously for 1 minute and switch off 5 seconds. Repeat this 3 times. Prepare statement showing number and names of person in different parts of the Mine and send it to control room, KUGP& informed at regular interval. He will allow anybody to proceed belowground without authorisation by SOM. |
| VHF Operator | On arising any emergency in Mine No.1,2&3. Try to establish contact details & information over telephone to- a) PO KUGP b) SOM, KUGP c) Safety Officer, KUGP d) Doctor, KUGP e) Colliery Dispensary f) Security In-charge g) Personnel Officer, KUGP h) Rescue room, KUGP i) Civil Engineer, KUGP Try to establish contact over VHF to- a) CGM(H), Charhi b) SOM, KUGP c) P.O, SOM Jharkhand O/C project He will keep a record of all outgoing and incoming information. |
| Lamp Room In-charge | On receiving information on emergency 1) Stop issue of lamp without authorisation from SOM of control room in-charge(PO Kedla). 2) Prepare a statement showing name of person who were issued lamp with cap lamp no. & send copy to control room at regular interval. 3) Keep all lamps got up from U/G separately until further orders. Do not |

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|--------------------------------------|---|
| | examine or interfere with them. |
| Officer in-charge of surface centers | <ul style="list-style-type: none"> (i) Ensure that key personnel are on duty accordingly to pre-arranged plan on surface. (ii) Organise an authorisation system. (iii) Check materials available in stores. (iv) Organise a system of relievers. (v) Arrange for transport of materials belowground (vi) Arrange for rescue teams in consultation with the rescue station supdt. & rescue room in-charge. |
| Members of consultative committee | <p>On hearing about emergency belowground rush to operations control room authorise a line of action and authorise different officers for:-</p> <ul style="list-style-type: none"> a) Surface control b) U/G Control c) Officer In-charge for control room and send information to manager of adjoining mine, likely to be on dangers. |
| Engineer | <ul style="list-style-type: none"> a) Report to control room b) Contact the store-keeper c) Arrange to call workman and machine as requires. d) Check the haulage & ventilation plans. e) Establish transport system from stores like dry sand bags, Brattice cloth, Timber, Girders, Auxiliary fans, Ducts, Water pipes, Hydrant valves for house extinguisher refills and any other material which may be required. f) Issue authorisation cards to surface emergency workman g) Make arrangement of vehicles. |
| Store keeper | <p>On hearing of emergency, immediately-</p> <ul style="list-style-type: none"> a) Proceed to stores. b) Check the materials according to emergency list. c) Send a copy pf the list to the operation control room. d) Arrange for procuring additional materials from central stores/other mines in consultation with control room and arrange for transport of materials U/G. |
| Surveyor | <p>Arrange to keep in readiness 10 copies of rescue plan in addition to updated mine plan Staff and await instructions.</p> |
| Doctor | <ul style="list-style-type: none"> a) Report to control room. b) Proceed to the mine forthwith, taking stretchers and drugs(particularly morphine) as are likely to be useful after availing hospital/dispensary staff to be ready to receive casualties. c) Supervise the preparation of the following accommodation. d) Room for rescue teams to assemble in & receive accommodation. e) Sleeping accommodation, if rescue operations are going to be prolonged. f) Get a copy of the list of man in the pit from the attendance clerk to make notes of the man who have come out of the pit. g) Co-operate with the following for identification of bodies. h) Deal with enquiries from relatives. i) Arrange for rescue team. j) Prepare a list of volunteer workers. |
| Security In-charge | <ul style="list-style-type: none"> a) Control work and keep the records of ambulance and other motor vehicles & guard. The outpost of the mines for free movement of rescuers. b) Control Law & order at the spot. c) Contact/Inform to head police station & take necessary help. d) Arrange for identification of bodies. |

EMERGENCY ORGANISATION PLAN
COMPOSITION OF COMMITTEE

A. INCIDENT CONTROL ROOM

LOCATION-Office of Agent/Project Officer

Members-

1. GM of area as controller
2. GM(safety)
3. Agent/Project Officer
4. Dy. Director of Mines Safety
5. President of trade unions.
6. Superintendent Rescue Station
7. Inspector of Mandu-Police
8. Secretary of RCMS

Responsible for overall direction of all operations connected with emergency .The controller can call in other persons with special knowledge as required.

B. SURFACE CONTROL ROOM

Location:- Office of shift engineer excavation

Members-

1. Project Engineer (E&M) as Controller.
2. Welfare Officer/Sr.Personnel Officer.
3. Officer in- charge, Ghato Police station
4. Store/Depot Officer
5. Area Medical Officer, Charhi

To direct the operation of all surface workmen and organise the supply of materials and equipments.

C. MINE CONTROL ROOM

Location office of Manager

1. Operation in charge as controller
2. Shift in-charge
3. Safety officer
4. In-charge of rescue room
5. Workmen inspector
6. Representative of IMNOSA

To direct the operation of all mine workmen and to organise rescue and recovery work.

CHECKING OF PERSONS

As soon as the incident has been reported, the entry and departure of men to and from the mine shall be in accordance with the following system-

All persons who are required to go mine in an emergency must first obtain authorisation from mine control room.

Each authorised person will be given an envelope containing two tokens with a common number but with different colours. The name of person receiving the envelope will be recorded.

The yellow must be handed over to attendance clerk.

The copper token must be worn suspended from the neck whilst in a mine.

On returning to the surface all persons must collect and hand over their tokens to the Mine Control Room