

**CENTRAL COALFIELDS LIMITED**  
**RAJRAPPA AREA**

**EMERGENCY RESPONSE PLAN**  
**RAJRAPPA OPENCASST PROJECT**

1.1 The organization required to deal with an emergency will function under the overall charge of the Project Officer, Rajrappa Project.

The Project Officer and Manager (Op.) shall keep themselves fully aware of emergency response men, equipments and materials available in the Mine and neighboring Mines.

1.2.1. **STANDING CONSULATATIVE COMMITTEE:**

The Committee have following members:-

General Manager	: Sri A.K. Chowdhary
Staff Officer(E&M)	: Sri D.Bihari
Staff Officer(Excv)	: Sri B.N. Bhaduri
Staff Officer(MM)	: Sri P. Thangavel
Staff Officer(Safety)	: Sri Satyajeet Kumar
MRS Suptd.	: Sri N.Singh
DDMS,Ramgarh	: Sri Deo Kumar

This Committee will meet in case of severe emergency and advise and help the Project to deal with situation.

1.2.2: **ACTION COMMITTEE:**

This Committee has been constituted with following members –

Project Officer	: Sri Sanjay Kumar
Manager	: Sri Sanjiv Kumar
Safety Officer	: Sri M.madhup
PE(E&M)	:Sri B.K.Biswas
PE(Excv.)	: Sri J.N. Pandey.
PE(C)	: Sri Ravi Kumar
Sr. Surveyor	: Sri Chetan Mahto

This Committee working under the guidance of the Project officer, will share the work of emergency response.

**1.2.3: EMERGENCY RESPONSE PLAN (ERP) SUPERVISOR :**

The following persons will be ERP supervisors and will be responsible for notification of the emergency and for taking steps to control the situation till the action committee or other senior officers take- over.

N a m e	Location	Shift	Phone No.
Shift In-charge	Section –II	All	8987784712
Shift In-charge	Section-III	All	8987784712
Shift Engr(X),Sec-II	Section-II	All	8987784712
Incharge ,BWS	B/ Workshop	Genl./2nd	8987784716

This list shall be displayed prominently at the respective location and updated without delay.

**1.2.4. RESCUE TRAINED PERSONS:-**

The list below given details of the rescue trained persons:-

Name	Designation	Tel.No.	Quarter no.
Sri Rajeshwar Sharma	Sr. Officer(M)	9771669025	Transit Camp
Sri Anand Singh	Mining Sirdar	9934336131	Transit Camp

**1.2.5. FIRE FIGHTING PERSONS:-**

All work persons are imparted training at our Vocational Training Centre.

**1.2.6: ORGANISATION FOR SYSTEM OF RELIEF :-**

A system of relief for the persons who have been given specific duties in the emergency organization scheme will be set- out as per the following guidelines-

- a) Rescue Supdt. : Supdt. (s) from other station
- b) Manager (opr) : Next in command .
- c) Shift In-charge : Next shift I/c(S)
- d) Project Engr.(X) : A senior member of his Deptt.
- e) Safety Officer : Senior most Asstt. Manager next to Manager
- f) Project Engr(E&M) : A senior member of his Deptt.
- g) Medical officer : Another medical officer or Sr. assistant .

1.2.7. **FIRST AID PERSONNEL :-**

A no. of first aid trained persons are available in all working sites , their names are displayed at site offices . First Aid Station are located at –

- a) Sec.II Pit Officer
- b) Base Workshop
- c) Main sub- station.

1.3. **ALLOCATION OF ROOMS :**

To avoid confusion and crowding at the time of emergency the following rooms shall be used for the purpose indicated against each of them.

- a) Operations Control Room : Manager 's site office.,Sec-II
- b) Rescue worker's assembly : PO's conference Hall
- c) Stretcher Casualties | SJ Hospital , Rajrappa
- d) Walking casualties |
- e) Mortuary |
- f) Trade Union | Dy. GM(P&A)'s room in
- g) Police | Area Office
- h) Press |
- i) Control

2. **PRECAUTION AGAINST FIRE:**

- a)All HEMMs are provided with Fire extinguisher of appropriate model viz. ABC type , CO2 type , D.C.P type and they are kept in readiness with proper operational training to operators.
- b)Fire sensors are fitted in all new 85(T) Dumpers which activate automatically fire suppression system.
- c) In case of emergency the water sprinkler of 28 K.L. capacity ( used for water sprinkling for dust suppression) may be utilized for fire suppression as we have sufficient water sprinkler i.e. 2 nos. in working order.

- d) Water reservoir with filling arrangements are provided in both section-I & II. The reservoir in Sec-II ( decoaled area ) Quarry having sump capacity of 1.63 LM<sup>3</sup>m. and sec-III has a sump of 1.98LM<sup>3</sup> capacity near the running repair shop. Mine water availability 0.064LM<sup>3</sup>. & 34LM<sup>3</sup>. respectively .
- e). Fire extinguishers are provided at different places to arrest the spreading of fire
- f) A plan showing the deployment of fire extinguishers is kept ready in the office of the Manager(Opr.).
- g) At working site walkie –Talkie is provided to supervisors / officers in each shift. In attendance room walkie –Talkie / Telephones are provided .

**2.2.1 STANDING ORDER FOR IMMEDIATE ACTION TO BE TAKEN ON OCCURANCE OF FIRE IN THE MINE PREMISES.**

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**(A) Giving of warning :-**

**2.1.1 Duty of person:-**

- a) Any person who notices a fire in a mine shall take immediate steps to extinguish it using whatever / suitable material or applicances are available at / or near the site. Where more than one person is present , one of them shall proceed for getting further assistance and to give warning .
- b) Any person who notices a fire in a Mine , which is too extensive to be tackled by him or when he fails to control the fire by taking action as described in clause –I, above shall proceed to give warning .
- c) Any person who notices the appearance in any part of the Mine of smoke or other signs indicating a fire or heating has or may've broken out, shall take action to give warning .
- d) The person detecting the fire shall take steps to give warning by the fastest means to the nearest available Mining Sirdar, Overman , or any other Mine official.

**2.1.2. DUTY OF MINE OFFICIAL:**

The Mining Sirdar , Overman or other Mine official whom warning of fire is given , shall send warning by faster possible means to :-

- a) Manager or in his absence , the principal official present at the surface .
- b) Attendance clerk for sounding siren.
- c) Engineer
- d) Security Inspector.

**2.1.3. DUTY OF ATTENDANCE CLERK:**

On receiving information about the fire the attendance clerk shall give a siren 20 Hoots repeated at 30 sec. intervals . In the absence of a Colliery siren or the attendance clerk shall take steps to warn the members of Colliery Fire Fighting and rescue teams and ringing over telephone / walkie talkie to area control for fire tender facility.

**2.1.4. DUTY OF FIRE FIGHTING & RESCUE PERSONNEL:-**

On hearing the fire signal or on being informed through any other means , the Colliery fire fighting & rescue teams shall immediately collect at Operation Control Room.

**2.1.5. DUTY OF MANAGER:-**

On getting information about a fire or heating at the Mine, the Manager or in his absence, the principal official present at the Mine shall either himself inform or take suitable to inform the Agent and other senior officers of the Company , the Rescue Station and the Dir. General of Mines Safety.

**2.2 RESTRICTION ON EMPLOYMENT OF PERSONS:-**

No persons other than those permitted by the Manager or in his absence by the principal official present at the Mine, shall be allowed to remain in or to enter the mine for the purpose of dealing with the fire.

Explanation :- Every such authorization shall , as far as possible be in writing.

3.

**PRECAUTION AGAINST DANGER OF INUNDATION :-**

- a) A careful assessment of the danger of inundation from surface water is made before the on set of rainy season and Monsoon preparation. Action Plan has been prepared and circulated to all concerned.
- b) Proper pumping arrangements are made well before the rainy season.
- c) All the garland drains are repaired before Monsoon and are being cleared through- out the year .
- d) During heavy rains , the Manager or senior most Mine officials present goes round the surface area of the Mine to check vulnerable points and effectiveness of safety Measures. In case of any doubt , he shall withdraw men and machineries to Safety from threated working .
- e) Water Danger Plant is being maintained a made up-to-date.

3.1.

**STANDING ORDERS FOR IMMEDIATE ACTION TO BE TAKEN IN CASE OF INUNDATION IN MINE:-**

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(A) Giving of warning :-

3.1.1.

**DUTY OF A PERSON:-**

- a) Any person who notices the danger of inundation of inflow of water to Mine shall take immediate action to give warning .
- b) The person detecting the danger of inundation or in rush of water in Mine shall take steps to give warning by the fastest means to nearest available Mining Sirdar , Overman or any other Mine Officials .

3.1.2.

**DUTY OF MINE OFFICIALS:**

- a) The Mining Sirdar , Overman or other Mine Official to whom warning of inundation is given shall send warning by fastest possible means to-
  - a) The Manager or in his absence , the principal official present in Mine .
  - b) Attendance Clerk.
  - c) Person responsible for sounding Colly. Siren .
  - d) The Engr. I/C (E&M). Egr I/C (Excv).
  - e) The Safety Officer.

3.1.3. **DUTY OF ATTENDANCE CLERK:**

On receiving information about the danger of inundation or in rush of water in Mine , the attendance clerk or the person in-charge of sounding Colliery Siren shall given siren of 20 Hoots at an interval of 30 sec. and in absence of a Colliery Siren, he shall take steps to warn the concerned persons on phone.

3.1.4 **DUTY OF THE MANAGER :**

On getting information about the danger of inundation or in rush of water in mine, the Manager or in his absence, the principal officer at the Mine, shall either himself inform or take suitable action to inform the Project Officer and other Senior officers of the Area, the Rescue Station and the DGMS.

3.2. **RESUMPTION OF WORK:-**

Normal work shall not be resumed in the Mine / section of Mine except with prior permission of Manager.

4. **PRECAUTION AGAINST FALL OF THE HIGH WALL AND SPOIL :**

- a) Height / width and slope of the benches are kept as per permission of DGMS.
- b) When persons are employed within 5 mtr. of the working face, precaution are taken to ensure their safety by dressing the side of the benches .
- c) All the spoil dumps are being biologically reclaimed by afforestation to avoid any slide of spoil.
- d) All the workers working near the high wall , spoil, etc. are clearly instructed to not sit / take rest within the vicinity of high wall.

5. **GENERAL PROCEDURES IN CASE OF ANY EMERGENCY:-**

- a) On event of emergency , the emergency siren should be switched on and all concerned should be alert to meet with the situations.

- b) The register keeper is provided with telephone / walkie talkie & fixed wireless set. He shall inform the Manager, Engr. I/C(X)/ (E&M) on phone or walkie –talkie.
- c) The Supervisor , worker , officers whosoever have been given training to deal with the situation should be summoned or if they are already on duty should reach to emergency site without delay.
- d) The Manager (opr.) alongwith other competent persons should reach the site and take charge of the place and he should inform the Medical Supdt. to rush with ambulance and other First- Aid Equipments.
- e) If life of person or persons are involved , attempt should be made to rescue them with proper care. If injured , should be rendered first-aid and shifted to hospital.
- f) Attempts should be made to remove the cause of emergency with care taking into consideration that no more lives are put into danger.
- g) Efforts should be made to avoid panic among the workers. The Manager or other higher official should address the workers about the rescue operations the damage caused & appeal to co-operate in rescue work. The Personnel Deptt. should be instructed to deal with Trade Union Leaders , Local Police Authorities & press etc. Avoidance of any rumour should be taken into consideration.
- h) Emergency Telephone Call Register should be mentioned by Register Keeper. He will record all incoming and out- going calls which deal with the emergency.

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**EMERGENCY TELE. CALL REGISTER**

Date	Time	Person called or calling	Telephone no. for outgoing call	Sig. of



6. LIST OF EMERGENCY TELEPHONE NOS:

Sl.No.	Name	Designation	Mobile No.	Office	Resid.
1.	Sri A.K.Choudhary	GM(R)	8987784650	5200	5246
2.	Sri Sanjay Kumar	CM(M)/PO(RP)	8987784669	5202	5335
3.	Sri S. Kumar	SO(Safety)(R )	89877844656	5269	5289
4.	Sri Sanjit Kumar	Manager(RP)	8987784670	5215	5228
5.	Sri M. Madhup	Safety Officer(RP)	8987784673		
6.	Sri J.N.Pandey	PE(Excv.)	8987784672		5256
7.	Sri B.K.Biswas	PE(E/M)(RP)	8987784671	5214	5223
8.	Sri Ravi Kumar	PE(C )(RP)	9934137538		
9.	Sri P.K.Biswas	Manager(M)(RP)	8987784676		
10.	Sri P.K.Patra	Manager(M)(RP)	8987784678		
11.	Sri R. Sharma	Sr. Officer(M)(RP)	8987786480		
12.	Dr.(Mrs.) S.Lal	AMO,SJH(RP)	8987784661	5253	
13.	Sri G.S.Sanyal	ASO(R)	8987784657		
14.	Sri D. Bhandari	In-charge,BWS(RP)	8987786394		

7. STANDING ORDER IN CASE OF EMERGENCY :-

- a) On receiving information about serious disaster at Mine and having obtained authorisation from the Manager or Sr. Official present at this site the attendance clerk or person in charge of sounding the Siren, shall sound the siren of 20 Hoots, thereby declaring a state of emergency in Mine.
- b) After hearing the warning siren every official shall post himself at his appointed place and shall discharge his duties as assigned to them.
- c) The Colliery shall observe the mock drill twice a year for prompt action in case of emergency and for familiarising the supervisors and officials with their duties.

8. OPERATION CONTROL ROOM:-

The Manager's Room situated at Section-II will be utilised as Operation Control Room in case of emergency . In order to provide adequate supervision and control at all times ,duty roster covering 24 hrs. will be prepared to ensure

continuity of control room reference. The duty roster will be maintained as per the following

**DUTY ROSTER FOR SUPERVISION AND CONTROL:**

SN	Name of job	Name of official on Roster		
		Ist shift	IInd Shift	IIIrd shift

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In a serious emergency the key officials of the Area will assist the Manager in planning rescue and recovery operations the consultative body will be limited to following members.

Area General Manager, Project Officer, Area Safety Officer, Safety Officer of the Project and Manager of the Colliery , Dir / Dy. Dir of Mines Safety, Workmen’s representative(s) . Representative(s) of overman / mining sirdars.

**9. FIRE FIGHTING PLAN :-**

Fire Stations , pump Installations , deployment of Fire Entinguisher , sand buckets and water reservoir etc. kept at Manager ‘s office.

**10. UPDATING OF INFORMATION:-**

Manager(opr.) will notify Safety Officer for relevant changes of residential address phone nos., transfer of person in the project and transfer of key persons in the Area etc. It ‘ll be the responsibility of safety officer to keep the informations constantly updated .

**11. PERIODIC INSPECTION ::**

Safety Officer ,alongwith Sr. Overman( Safety) will inspect all fire stations / installations atleast once in 6 months. However Sr. Overman( Safety) will inspect as per requirement.

**12. MOCK PRILL REFERSHER TRAINING & WORKSHOP**

In order to ensure that every – one concerned clearly knows his assigned duty, to test the communication arrangements and to test the preparedness of emergency organizations mock drill / rehearsal will be held once in every six months.

After every mock drills there should be discussion about the betterment of preparedness .

**13. ASSISTANCE FROM OUTSIDE THE PROJECT:**

In case of emergency other mine /HQ officials are to be contacted as per requirement . Their details are give below:-

SN	Name & Designation		P& T no.	Mobile No.
1.	Sri S. Gosh	CGM(S&R)	0651 – 2360276	8987784110
2.	Sri M. Kumar	GM(Excv.)	0651-2360050	8987784112
3.	Sri V.K.Sharma	CMS	0651- 233251	9835369546
4.	Sri A.K.Singh	GM(E&M)	0651-2360788	8987784113
5.	Sri J.L.Singh	GM(Op.)	0651- 2360302	9470193910
6.	Sri G.K.Singh	GM(MM)	651-2360716	9470590977
7.	Sri Shailendra Singh	COS	0651- 2361017	8987784139

Area Phone nos. MART/ Wireless Room are 06553- 251119, 251107.

