

S. No	TYPE OF MOCK DRILL	OBSERVATIONS (including response time etc)	OUTCOME/SHORT COMINGS	SUGGESTIONS TO THE MANAGEMENT	
1	Out break of Fire (Shovel) Volvo-05	<p>In 1st shift a around 11:15 AM, all of a sudden, a dramatic condition was presumed at OB Rehandling Bench.(Shove Operator), hearing some abonormal sound & noticing fire at back side of cabin, disconnected the machine from Battery cut off switch. Fire extinguisher was not available in the Machine. The opertor immediately informed the matter to Overman Shir. Kumar and other co ncerned supervisor of M/s NEPL who was present there. kumar informed to MTK of Manager that fire has caught in outsourced shovel machine (Volvo -5) during Loading at Rehandling OB hench for road preparation. Manager i nformed to safety officer, sshift incharge shri NKumar & PE(X) about arrange reserve fire extinguisher and Water tanker. Assistant Manager informed to water tanker operator shri. Ram, Which was filling water in tanker at filling point. So, he reached with team at location within 8-10 minutes with full water at 11.25AM Manager, safety officer, OPeration Incharge and one staffs reached to location at 11.30am within 15 minutes just after getting informatio.</p> <p>Observation: 1. vechicle was available at pit office for loading ABC powder type/CO fire extinguisher from pit Office & substation. (Reached at face within 15 minutes) 2. Road for face is suitable for light vehicle. 3. Manual fire extinguisher/auto fire protection system was not available in Volvo-05 shovel Machine. 4 Tanker reache at face within 8-10minutes.</p>	<p>1. Manual fire extinguisher Automatic Fire Extinguisher (AFDSS) was not available in Machine. 2. Due to leakage of old hydraulic pipe, the droplets of hydrallic fell on the hot parts of machine engine, due to which the fire started.</p>	<p>1. Sufficient stopck of fire extinguiser shall be done in O/S Machine and insure installation of Automatic Fire detection & suppression system.2. Regular trating is required for fire fighting 3. strong focus on preventive maintence of machine 4. Daily precheck of all machine will be done befor commencemnt of work.5. Safety talk and awarenss needed.</p>	

2	While operating the pump switch in the Qry 02, the pume operator got elextrical shock and beco me unconscious, He was rescued and shock tr eatment was given and brought to area hospital by ambulanc.e	To Proper follow the SOP during operating the switch.	1. Proper traing is needed to use swithed 2. safety talk delivered. 3. Always use rubber hand gloves when operating the pump swith.	1. There should be proper supervision to ue PPE while operating the switch. 2. First Aid traing should be given to employees about electric shock tratment.	
3	Injury to pump Khalasi, Shri Ishaque Meah at Pump side due to inrush of water.	Information given by shrikumar foreman (E&M) to Amit kumar Sr. Overman.Sr. Overman to allendeance cleark. Attendance clear give information to Manager, Safety officer and project officer.First Aid was rendered by sri Thakuri Das Sr SPA. * Safety officer informed to the doctory and called ambulance. * Ambbulance arrived with in 20 minutes at the site. * After first aid, the injured person was sent to hospital by ambulance.	Mock drill was successful	Proper communination sysster shoul be provided.	
4	Mock rehearsal for sinking of pump in 7, 8 incline of Dhori (K) Colliery.	Mining sirdar Anup kuma rBarnwal along with his pump Khalasi went to star to pump. After reaching there they found that water has reached up to base plate of pump, Ming Sirdar informed about the same to the section overman Pankaj Kumar & MTK sheobharat Nonia through telephone. MTK passed on the information to Manager, Safety Officer, Project officer and Engineer and Emergenty Organised gor active. After taking necessary items they headed towards pumping	1. Swift action was taken and all the necessary actions were taken in time.	1. The rehearsal shoul be conducvted on reglar basis so theat all the organisation remain action and the action can be taken in short amount of time.	

		station. On reaching there, they were informed that it was a mock rehearsal.			
5	Mock rehearsal for electric shock in 4, 5 & 6 incline.	1st shift operation and cableman along with Mining Sirdar went to start work at face after inspection Operator then sat on the SDL Operator's seat then cableman without putting on gloves went on to put aside SDL cable and he felt electric shock and fainted unconsciously. Immediately, Ming Sirdar Ankaj Kumar informed to Overman Satyendra Nonia. Then he informed it to surface through telephone and instructed to shutdown power supply. MTK passed on the information to Manager, Safety officer, Project Officer and Engineer and Rescue team got active and ambulance was called. Rescue team reached the place put the cableman on the stretcher and brought to surface and first aid was given. Cable man was then put in the ambulance to carry him to the hospital. Then, Safety Officer Ravi Kant Singh informed that it was a Mock Rehearsal.	During rehearsal some person were found rushing to the ABS in panic.	The rehearsal should be conducted regularly so that the worker should not get panic.	
6	Fire in the mine office area	1. The mock drill has been conducted during shift end period with safety officer and security. 2. The response time was five minutes. 3. All employees involved in mock drill are observed following emergency plan prepared for mines. 4. It is observed that all are aware that all are aware about the handling of emergency and followed as per emergency preparedness plan at mines. 5. No panic situation at site and emergency handled properly with instruction from site controller.	1. When discussed with gathering after clearance of emergency about 05% are bit aware about the exact flow of information to be taken place during emergency.	1. There is a need of exercise so as to increase awareness amongst all concerns 2. Training on Emergency plan shall be given to all mine employees during refresher training.	

7	Overturing of excavator kobelco No 05 at top bench of outsourcing patch.	<p>Kobelco no.05 was running at top OB bench of outsourcing patch in which operator shir Tulsi Mahto and supervisor Shri Mohit Kumar ambasta (Mining sirdar) wre engaged. Shir Tulsi Mahto Kobelco operator wasoperating kobelco no 05 properly. Hw was loading OB in tipper from one side. during loading of OB, One big boulder which was beyond the capacity of machine and bucket capacity trying to give the load in tipper. When Shri Tulsi Mahto tried to pick up the boulder, machinekobelco no 05 got truned over. Shri Moht kumar ambasta present on the spot immediately informed throught walkie-talkie to O/s inchagre shir santosh Kumar there after incidence was informe to shir Nandkishore pandey supervisor and shire Ranjeet kumar singh, supervior. Thesame incidence immediately informed by Mohit kumar ambasta to MTK,Manager and PO. Shri DK Singhm MTK Present at 12 no. pit office informed to the ambulance driver to reach to top OB bench of O/S. Control room also informed the information to all the senior exexutives. The time of reaching of all officials and ambulance are as follows:- Outsuring incharge:-11:10AM PO & Manager:- 11:15AM, Ambulance: 11:17AM, Ranjit Kumar Singh (Pintu) 11.25AM</p>	Fire fifhting/Fire prrof jacket not available a t fire dealing place.	<p>1. Special traing and awreness programme shall be conducted to make them fully conversant to deal with situation and Ensure the use of PPE. 2 Safety belt and fire proof jacket should be used during fire fighting.</p>	
8	Fire in bushes nearly No. 13	<p>The day was very hot due to summer. It was presumed that a spark came out along the exhaust of a truck during its movement which caused fire in the dry leaves and grass accumulated neay with bridge, the fire quickly spread to the adjoining area which was noticed b the clerk who immediately informed the MTK. MTK also quickly respondedand informe all the key persons and emergeny organization team. Response time: Fire Fighter team :07 min.</p>	<p>All the key personnel arrived ontime on the site of mock rehearsal and the mock rehashes was done succvessfully. After mock rehearsal agent, Manager and safet officer addressed all workme gathered there and gave inportant safety tips. About fire fighting.</p>	<p>1. Cleaning of W?B plate form shall be done regulary. 2. No dry vegetation shall be allowed to accumulated at workplace. 3. Fire fighting equipments and accessories shall be kept at conspicuous place to quickly extinguish the fire. 4. Regular inspection of workplace shall be done by the concerned officials.</p>	

		<p>WI(Mining):07min PO & Manager: 10 min PE(X) & PE(E&M)- 12min WI (Elec & Mech)- 12min Ambulance: 14 min</p>			
9	Mock rehearsal for Air Blast in workign panel K of 7 8 incline.	<p>Ravi Kant Singh Signalled overman to blow th whistle which mens that Air Blast is about to occur, Overman Ssuder sensen and Ming Sirdar Bashant Kumar Singh ensured that everyone has taken shelter in ABS. After ensuring everyone's safety, it was informed by Safety office that it was an mock rehearsal for Air blast. Safety officer conveys all the worker taking ABS Shelter that if they are unable toreach ABS then they mumst not be in the line of blast. Mine in-Inchage RakeshMeena told not to panic while going to ABS and after listering to whistle, leaveevery work and move to ABS</p>	It was observe that few workers weren't aware of the location of ABS	<p>Workers shall be made conversant with the location of ABS. ABS shall be conbstructed and maintained provperly.</p>	
10	A Person getting unconscious and fell at the face	<p>Holes were getting charged for blasing at 06 no. Top OB bench, during stemming, one blasting crew member, Gopal Turi Gen. Mazoor gor unconscious and fell down at the face.Shri Tiku mahto overman was present there, immediately informed to control room by walkie talke. ManagerPO and Mine inchage also got the information by walkie talkie. Shri Santosh kosle, control room inchage informed MTK shri Devendra Kumar Singh and sent Ambulanc eat o6 no. Top OB bench. iot was found that shri Gopal Turi got unconscious due to heatwave. Time to arrival of all the official and Ambulance was noted down. Po & Manager: 1:35PM, Mine Manager: 138PM, Ambulance:- 1:35PM</p>	<p>(i) SOP for heat wave was not distrubuted. (ii) Gopal turi has no drinking water with him (iii) Gopal turi was not feeling well.</p>	<p>(i) SOP for heat wave should be distributed to all workers. (ii) Dringing water shoul be kept at the working place. (iii) One hould not attence duty if not feeling well and if already attended than if already attended than one should informe to the higer officials.</p>	

1 1	<p>Situation assumed: An overman whilst busy over mobile phone with others and tried to give direction to the hydraulic shovel operator and he came in swing area of shovel and got injured & became unconscious with no breathing.</p>	<p>1. One Rescue trained person, shift in charge and mining sirdar showing hustle and reached to the accident site within no time and subsequently informed Emergency Response Team and Ambulance for help.</p> <p>2. RTP with the assistance of shift in charge assesses the causality and performs CPR to revive breathing and blood circulation.</p> <p>3. After four cycles of CPR breath restores and causality put in to recovery position.</p> <p>4. After arrival of Ambulance, patient loaded with stretcher lift procedure and discharged to area Hospital.</p> <p>5. Mining Sirdar accompanied the causality in to Medical and gave all pertaining report of incident and treatment given with time record to doctor.</p> <p>4. Response time: A RTP Shift incharge Mining Sirdar and blasing crew present nearby reached at the site: Within 1 minute.</p> <p>B. ERP team/ other official: within 12 min.</p> <p>C. Ambulance & medical team within 15min.</p>	<p>Mock drill was successful conducted however one short coming was observed as Attendance clerk did not inform to Area safety officer.</p> <p>3. However Area safety officer came to the site after getting information from Area General Manager.</p>		
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1 2	Fire in HEMM	<p>At around 11.30AM smoke was detected by the syoervusir ub exc avator vikvi EC480 deployed in the OB bench of patch A3 (Revised) of Damoda Colliery.</p> <ol style="list-style-type: none"> 1. shift overman/supervisor immediately informed shift ACM about the incident. 2. Shift ACM: shift ACM who was present in the coal face, immediately rushed to the site and after accessing the situation and having a communication with the mine Manager declared emergency at 11:35AM. 3. Safety officer: Immediately rushed to the control room and infored ASO safety commttee members, rescue trained person and first alders of the Mine. 4. Manager: Immediately rushed to the control Room and took charge of it. Instructions wree given i n a paper countersigned by the manager for specific tasks to be poerformed for dealing with emergency. 5. Project officer: Informed Area GM, DDMS, GM(S&R) Rescue room and Rescue station, BJ outpost, CISF and Manager of Mines and helped in mobiling resouces for dealing with emergency. 6. General Manager:- immediately informed members of Area safety committee member and rushed to the control Room. 7. Area Safety officer: Immediately informed members os Area safety committee member and rushed to the control Room. 8. RRT Madhuband: Reported to the control room after 25 minutes of receving the information. 9. Ambulance and First Aiders: Ambulance with S numbers of first Aid Trained personnell reached the accidentsite within 10 minutes of task assigned by the manager. 10. Cisf: Reported to the control room within 30 minutes of receving the information. 	<ol style="list-style-type: none"> 1. AFDSS was not provided in the excavator which may esult in to delay in detection of fire and response time, thus poses a great risk to both the operators fire and the machinery. 2. Only 2 number of Rescue trained personnel are permanently employed in the mine which makes the mine totally dependent on Madhubad Rescue Room and RTP form nearby Mines in case of and emergency. 3. Shorgate of First Aiders as there is an acute shortage of Statutory supervisor. 4. Unavailability of Fixed line phone at control Room. 	<ol style="list-style-type: none"> 1. AFDSS must be provided in every HEMM before its deployment. 2. More and more number of young employees should be eccouraged to undergo Rescue Training so that we have a pool of RTOs to deal with any emergency should it occur. 3. Shorgage of statutory persons who are doubled as First Aiders must be fixed as soon as possible. 4. Fixed tLine phone immediately needs to be provide. 	
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		<p>11. Police: Reported within 30 minutes of receiving information and maintained law and other situation so that there were no disturbance while dealing with the emergency.</p> <p>12. Dealing with fire" The operator and detected the smoke and look out the manual Fire extinguisher provided in the machine and tried to extinguish the fire but he could not. He jumped out the excavator right in time. Fire tender from AMP colliery reached at around 12:05PM and till the mine service van which has water storage and spraying facility was engaged in the fire fighting. Fire was finally extinguished at 12:25PM. No person got injury in this accident except the operator who did seem to be in a state of shock with very minor bruises due to jumping from the excavator.</p>			
1 3	Mock drill based on fire fighting in transformer installed near swang magazine.	<p>1. Mock Drill was conducted smoothly</p> <p>2. Fire extinguisher availability and its proper use made the job easy</p> <p>3. Timely response of officers and employees.</p> <p>4. Better coordination and timely response against fire.</p> <p>5. Water tanker reaching time, tanker reaching time should have been quicker.</p>	<p>There should be proper supervision of place, work place or in machines to check the type of fire caused by electrical wiring, short-circuit, overloading etc and any leakage at regular interval and training to the workers, supervisor and all the concerned to deal with fire by fire extinguisher of ABC, DCP & CO2 type, whichever will be applicable. All the electrical appliances shall be maintained and</p>	<p>1. Proper training should be given to workers and supervisors about fire fighting by fire extinguisher of ABC, DCP & CO2 type. 2. Safety talk and awareness needed to follow guideline in case of fire.</p> <p>3. Demonstration to deal with fire should be done on regular basis.</p> <p>4. Regular checking of fire extinguisher for its better functionality.</p> <p>5. Regular preventive maintenance should be done to deal with short-circuit or overheating issue.</p>	

			keep in good condition.		
1 4	Mock drill on Fire Fighting in transformer room	<p>1. Mock drill was organized in a proper manner.</p> <p>2. Electricity supply was cutoff while dealing with fire</p> <p>3. Sufficient numbers of fire extinguishers were available in proper working condition.</p> <p>4. Sand buckets with dry sand were also available in sufficient numbers.</p> <p>6. All Electricians and SBA's were aware about the usages of fire extinguisher.</p>	<p>1. Rubber gloves for swithching the transformer off and on we re not available at transformer room.</p> <p>2. Transformer room was not clean.</p> <p>3. Dry leaves were found near the tra nsformer.</p>	<p>1. Use of rubber gloves is mandatory while doing any work in transformer.</p> <p>2. Tansformer rook and any electrical equipment kept there should be neat and clean.</p> <p>3. Area near transformer should be free from andy type of dry vegetations.</p>	
1 5	Persone unconscious due to Heat wave.	<p>1. The mock drill has been conducted during shift end period with safety officer and security. 2.The response time was five minutes.</p> <p>3. All employee involved in mock drill are abserved following emergency plan prepared for mine.</p> <p>4. It is obseved that all are aware about the handing of emergency and followed as per emergency preparedness plan at mines.</p> <p>5. No Panic situation at site and emergency handled properly with instructions from site controller.</p>	<p>1. When discussed with gathering after clearance of emergency about 05% are bit aware about the exact flow of information to be taken place during emergency.</p>	<p>1. There is a need of exercise so as to increase awarness amongst all concerns</p> <p>2. Training on Emergency plan shall be givento all mine employees during refersher training.</p>	

1 6	Safe withdrawal of person from XV seam of Kharkharee Colliery in emergency situation due to electrical Fire.	Mock drill started on xxxx at 1:30 PM and ended at 02:15 PM with safe withdrawal of all person from XV seam of Kharkharee Colliery through Pit 1 & 2.	some of the persons use travelling road and major persons use escape route for coming surface.	Awareness among the workman about the emergency in mines need to be enhanced..	
1 7	Timely quenching of fire in OB dump of sinidih section of Maheshpur colliery.	Mock drill started on xxxx at 01:30 PM and ended at fire In OB dump 03:30PM with Sinidih section of effective quenching heshpur Colliery of fire and avaflabilty of key persons and resources	- 1.Delay in arrangement of hose pipe	Instructed store keeper to make resources available on time and some key persons like security guard to be available on time	
			- 2. Delay in arrival of some persons, like security guard at the place of occurence of fire.		
1 8	INNUNDATIO	On dated xxxx, at around	1. Mining Officials are	1.Every Workman	
	N	2:30pm, M/S Shri Bhagwan Das	required to know much	are required to be	
		informed all workmen working	accurately about the	made aware of	
		belowground at I-Seam U/G mine,	manpower distribution plan.	"Standing Orders	
		that there is heavy inrush of water	2 .Particularly in monsoon	for Withdrawal of	
		from 38EL/8R.Sri Das directed all the	season, The means of	Persons" in case	
		workmen working belowground to	communication from	of Inundation	
		immediately stop their work and	surface to U/g (sound		
		reach to surface. Sri Das also ensured	powered telephone) should		
		all the ug-electrical appliances were	be in proper working		
		made switched off. Then he	condition.		
		accompanied with O/M Sri Sudhir			
		Sinha, took Pump Khalashi(main dip)			
		and reached to the surface, ensuring			
		all workmen have reached to surface.			
		Meanwhile Agent,RTP, Manager,			
		Area Safety officer, Area medical			
		officer etc were informed. The all			

		reached at mine. Response time-30 minutes.			
19	Collision of Vehicle at Patch 'C' of EBC	<p>1. Mock drill was done regarding collision of dumper on the hual road at Patch 'C' of EBC</p> <p>2. At 11:10 am Sr. Overman Sri Mritunjay Prasad informed shift incharge Md Fazlur Rahman (Sr. Manager) that collision of dumper has been occurred in II seam hual road at Patch 'C' of EBC and rushed for rescue.</p> <p>3. Md Fazlur Rahman informed to safety officer Sri Kamla Kant Kumar.</p> <p>4. Realizing seriousness of matter Sri Kamla Kant Kumar informed to Manager, Foreman, Overman and mining Sidar for this accident.</p> <p>5. Sr. Overman Sri Mritunjay Prasad reached the accident site and took out the dumper driver from the vehicle and put on clean ground and gave him first aid at site by bandage.</p> <p>6. He checked for consciousness of the victim driver.</p> <p>7. Driver of the other dumper stopped his dumper at safe distance and observed accident site.</p> <p>8. Fire fighting done properly by other dumper driver.</p> <p>9. Sufficient fire extinguisher available in machine and all were in working condition.</p> <p>10. Manager informed the Agent in time and rushed to the site. The Agent informed to the Doctor for his readiness at his hospital.</p> <p>11. Manager called the Ambulance for taking the victim for medical help.</p> <p>12. Overall response found satisfactory.</p> <p>13. The injured was rescued in safe procedure . . .</p>	<p>1. More awareness/ training to be given to all field workmen's.</p> <p>2. Flow of information chart needs to be prepared and provided to respective persons.</p> <p>3. Mock drills to be conducted at with more preciseness.</p>	To be alert always for own safety aswell as Company Safety.	
20	About Fire	Mock rehearsal about fire done in workshop of Salanpur Colliery as informed by Shri Narayan Dusadh (Foreman) that fire caught in bushes in Workshop. I along with Project Officer immediately rush in to workshop	<p>Stay alert while working</p> <p>- Don't panic during emergency, immediately evacuate all persons from</p>	<p>-- Immediate response in emergency situation</p> <p>- All persons must have knowledge about how to perform their respective duties in emergency situation</p>	

		and seen that fire near transformer room we put some sand on fire, we arrange fire Extinguisher and message sends to AKWMC manager, Workshop Incharge for Fire Tender, Message also send to Gm Katras Area, Rescue Station, Katras Thana, Safety Officer Fire Office CISF, etc.	hazardous places with keeping clam - If see any fire inform to supervisor - try to extinguish fire by sand, water Fire Extinguisher - clean all bushes near any place of working during summer season		
2	Fire in	At 1 PM,	1. All key	1. Fire tender	
1	excavator	information of Fire	personnel	under	
	G10277	in excavator	reached at	authority	
	deployed	G10277 deployed	site within 15	needed to	
	in XIII	in XIII seam OB	min.	be filled to	
	seam OB.	was given by	2. Fire tender of	full level, so	
		safety officer to	auto	that in case	
		attendance clerk	workshop	of fire,	
		& this information	found half	quenching	
		was further given	filled with	work can be	
		to Project officer,	water.	started very	
		ASO, colliery	3. Our tanker	soon.	
		manager, ACM	reached at	2. Separate	
		incharge &	site timely.	Four –	
		engineer	4. Due to lack of	wheeler in	
		excavation. Call	Four-wheeler	shifts are	
		was done for Fire	in shifts,	required for	
		tanker from	overman and	shift	
		Regional	ACM incharge	supervisor	
		workshop,	could not	to reach at	
		Kankanee. After, it	come at site	site	
		was announced by	timely..	immediately	
		safety officer that		in case of	
		it is mock drill.		emergency.	
				3. Jute and	
				paper, etc	
				should not	
				be left at	
				site.	
2	Fire Related	Mock Drill started at 10.15 am on xxx and ended at 11:10 am with prompt response and timely arrival of all personnel and equipment for fire fighting.	Commumication system used was moble phone and it is prone to faiture/cause delay in bed wether or if	Emergency Plan system be installed so as to minimize delay in information broadcasting is times as such.	
2			other person is. engaged in a call/moble switched off		

		<p>The fire fighting equipment provided on the machine was tested and was found in working condition.</p>			
		<p>It was also observed that the mining personnel and shovel operators present at the point of incidence were well versed in operating in fire extinguisher.</p>			
		<p>Water tanker was also found equipped with pump and hose for fire fighting.</p>			
2 3	<p>INUNDATION AT HIGHWALL PATCH (HIRED PATCH OPERATED BY M/S DECO-GCPL) OF ABOCP MINE BLOCK II AREA BCCL</p>	<p>MAXIMUM MEMBERS OF EMERGENCY ORGANISATION TURNED UP IN STIPULATED TIME. GENERAL MANAGER ALONG WITH TEAM REACHED IN TIME. NEAR BY RESCUE ROOM INCHARGE ALONG WITH TEAM ALSO ARRIVED IN STIPULATED TIME.</p>	<p>CISF PERSONNEL TURNED UP LATE BY 15 MINUTES ..</p>		
2 4	<p>Fire ecological site</p>	<p>2.00 PM -Sr. Overman Sri Mahesh Pd. Shaw given information over mobile to safety officer about occurrence of a fire at the ecological site of mine and they are trying to control it though it has spread to a large area very shortly.</p>	<p>There is no regular water source to refill the fire tender</p>	<p>1 UG pumping to be made in two shifts on daily basis, For use at right water to be stored separately.</p>	
		<p>2.05 PM Safety officer Immediately passed the information to Agent, Manager, MRS Dhansar, ISO BCCL, Regional hospital loyabad and reached the site at 2.05 pm.</p>			
		<p>2.10. PM-Manager also reached the fire site and a control room was formed at surface and activated in presence of SO. In house rescue members also reported at control room by 2.25 pm. Departmental fire tender took its position for fire fighting.</p>			
		<p>2.45 PM-MRS team reached the fire site with fire tender and reported at control room.</p>			
		<p>3.15 PM- All agencies who were Informed were attended the control room.</p>			

		3.30. PM- It was declared By Manager Sri Santosh choudhary, That it was a mock rehearsal.			
2 5	Fire in coal heap at coal depot, 26 A New og BGKKC.	It was orchestrated that during inspection of coal depot by the astt. ,amager at about 10:00 AM it was found that the coal heap at coal depot, 26 A New of BGKKC caught fire due to spontaneous combustion of coal in excess hot weather. The wataer tanker operator was instructed to reach at coal depot immediataely. At about 11:35 AM the fire is doused with water using water tankers.	1. Coal stored when exposed to air for a long time in hot atmosphere, caught fire due to slow burn phenomenon also known as spontaneous combustion of coal.	(1 Whenever coal heap crosses a critical maintenancae stock level it may be rehandled or transported to other place.	
			2. The pressure & the heat combined together leads to fire.	2.Also by sprinkling water over the heap for absorption of heat on a regular time interval may control the spontaneous combustion of coal.	
2 6	Slide of OB dump near Pump house at Patch-C of NGKC	Mock drill was done regarding information of OB Dump slide near Pump House at Patch-C of NGKC. At 11:30 AM supervisor Sri. Bablu Patro informed to ACM Sri. Sunil Kumar Singh that OB Dump slide has been occurred near Pump House at Patch-C of NGKC. Realizing seriousness of the matter Sri. Singh instructed to all supervisors and overman of the patch to withdraw all manpower safely who are deployed at pump house and stop all ancillaries work nearby pump house.	Purpose of mock drill to check preparedness in Emergency response plan. All responsible persons and Rescue recovery team of New Godhur Kusunda Colliery reached at spot after 45 minute.	Rescue and recovery work should be proactive and delay time may be minimized.	
		At the same time Sri. Singh informed the matter to UCC Infra JV management, Attendance Clerk and Rescue team of NGKC. All persons come out of the mine at 12:15 PM, view point of Patch-C of NGKC where Agent, Manager, Safety Officer and UCC Infra JV management alongwith Rescue team of NGKC were present. Manager addressed the persons that no emergency arised. It was a mock drill.			

2 7	Smoke coming out from 21LS 3D of Benidih Incline	At around 03:15 pm Overman Sri Gaurav Dubey who was inspecting the mine reported to Shift Incharge that smoke has been detected from 21LS 3D, Shift Incharge immediately went to the site and inspected the area and confirmed the same. Shift Incharge reported to the control room at the surface and the control room informed the Mine manager, Mine Incharge and the safety officer, ventilation officer Mine Incharge after getting the information ordered to raise the person immediately and smoothly.	1.Overall ERP(emergency response plan) was effective in dealing with the situation. 2. People nervous getting while facing the unwanted situation but overman and shift ACM tackled the situation properly. help them to calm down and raised to the surface safely.	1.All the person should report to the control room and take their duty card along with their assignment from the Manager. who is also the Incharge of the control room However, few persons had deviated from the plan and did not report immediately after reaching the control room.	
			2. All the key officials of the mine, RTP, Medical team and RRRT Madhuban reached within 35 minutes of declaring emergency.		
		2. Manager who was inspecting nearby reached the control room, assessed the situation, verified the information, and declared emergency and took the charge of control room and informed Area GM, DDMS, ISO. RESCUE ROOM/RESCUE STATION, BARORA THANA, INSPECTOR CISF, Rescue Trained persons of the mine, manager of adjoining mines.		2. Regular inspection of First aid box and First aid kit needs to be done and necessary supplement must be refilled.	
		3. Within 30 minutes of declaring emergency 07 RTP from mine and 05 RTP from RRRT Madhuband underground. was ready to descend		3.CISF role to be expedited for effectively coordinating the activities at site to facilitate emergency dealing free from any obstruction.	
2 8	Fire in 11839 Dozer			4. Location of control room and reporting to the control room for receiving instructions should be mandatory part of emergency declaration message. Few officers have found deviated from the plan.	
		11:00 AM- The Dozer operator shri Satyendra Chouhan gave information about occurrence of fire in Dozer 11839 to shift	1.Lack of Awareness among all concerned persons regarding	Walkie talkie should be fitted in all machines	

		Mining Sirdar Shri Birendra Mandal by mobile phone.	use of fire extinguisher.		
		11:03 AM-Shift Mining Sirdar Shri Birendra Mandal immediately informed about the danger due to fire to shift ACM Shri C.M Singh and attendance clerk by mobile phone.	2.walkie talkie was not available there.	AFDSS should be fitted in all machines 1 Preper training should be provided regarding use of fire extinguisher to everyone.	
		11:06 AM- Attendance clerk informed to the water tanker operator and also informed to safety officer, Engineer I/C (E&M/ Excv), Manager and Project Officer by mobile.			
		11:08 AM-Shift ACM Shri C.M Singh along with some persons in workshop rushed towards Dozer 11839 with fire extinguisher.			
		11:14 AM-water tanker operator reached near Dozer 11839 in OB Dump as per advice by attendance clerk and shift ACM along with Fire extinguisher & some persons also reached at the place of incident. Manager and safety officer were present were already present and inspection was going on.			
		11:22 AM- Finally, Safety officer announced that it w was a mock drill. At that time there was no panic, whole operation was safe and secured. Total activities within 11:00 AM to 11:22 AM.			
29	Withdrawal of manpower from underground on the apprehension of inundation (from	The mock drill was triggered with the telephonic information by Sri Mithilesh Kumar, AGM(Min.) to the person deployed at J1 air lock and to the attendance clerk at surface, stating that the water level is gradually increasing in underground mine.	1(The timing between dissemination of information i.e. at 8.18 pm and hoisting of the persons to surface through Noonodih shaft i.e. at 8.44	1)Further mock drills are to be conducted.	

	underground sources)	<p>The information was disseminated by the attendance clerk to the Colliery Manager at 8.10 pm, who instructed for withdrawal of all persons deployed underground. The attendance clerk then informed all persons deputed at/near conspicuous telephone stations for withdrawal of all manpower. Subsequently, the attendance clerk informed the Safety Officer, Colliery Engineer and Agent at 8.22pm, 8.24 pm and 8.26 pm respectively. All the 28 persons including Shri ManojKumar Sahoo, DMS, R-II, CZ, DGMS, who had proceeded underground for inspection, were hoisted through J3 and Noonodih Shafts.</p>	pm was 26 min. The above timing requires to be shortened.	2)Provision of availability of manpower distribution plan at attendance room to be ensured by management.	
		<p>All 11(eleven) persons of 14 seam dip and J1 airlock and 09(nine) persons of 16 seam were hoisted to surface through J3 shaft. The hoisting of the J3 cage from 14 seam commenced at 8.29 pm, reached 16 seam inset at 8.32pm, hoisting commenced from 16 seam at 8.34 pm and reached J3 pit top at 8.36 pm. All 08(eight) persons, including Shri Manoj Kumar Sahoo, DMS, R-II, CZ, DGMS were hoisted to Noonodih Pit top through Noonodih shaft at 8.44 pm, hoisting of the cage of which commenced from 14 seam pit bottom at 8.39 pm.</p>		3)Management to ensure availability of hand plan of rescue tracing.	
				4)Marking of the escape routes more prominently.	
				5)Attendance clerk has been instructed to keep prepared written document of the persons deployed underground seam wise immediately after completion of booking of attendance.	
				6)Siren to be installed and commissioned at surface.	
				7)Though 05(five) nos. of Rescue Trained persons, 03(three) at surface namely Sri Dinesh Chandra, Sri Dilip Kumar and 02(two) nos. at underground namely Shri Manoj Kr. Singh & Shi	

				Biswanath Prasad, were present, but management should ensure presence of all available Rescue Trained persons of Jitpur Colliery.	
30	Bench Failure	Observation: Satisfactory	Some officials came late	Response time to be reduced to 15 min.	
		Response time: 20 Min,			
	Fire in HEMM	Observation: Satisfactory	Some officials came late	Response time to be reduced upto 10 min.	
		Response time: 15 Min,			
	Inundation	Observation: Satisfactory improvement required.	Some officials came late	Response time to be reduced upto 10 min.	
		Response time:			
		18 Min.			
31	Preparedness for withdrawal of machine from Deep Mining Zone during heavy rain	Safe withdrawal of man & machine response time 20 minutes	Alertness during heavy rain in monsoon period is very essential for all of us	Everyone should be full alert during heavy rain in monsoon period.	
				There should be no panic in organizing the whole situation.	
32	Mock	1) At around 11:00AM one pump khalashi Shri. Mangal Tudu was found drowning in the sump of pit -2 Chilgo side, and after seeing him drowning two pump helpers Shri. Lukhiram Kisku & Shri. Manager Hembrom rushed to save him wearing life saving jacket and they rescued him at around 11:05AM.	No such lapses was noticed during the time of mock rehearsal	Mock Rehearsal on other probable incidences is required to be carried out at a regular interval	
	Rehearsal				
	Regarding Drowning of pump	2) Mr. Subodh Sharma, Pump station in-charge informed the emergency rescue team members and accordingly Shri. Abhilash Kumar Piyush, WI (Mining) WBPDC and Arjun Kumar, Safety Officer, BGRMIPL reached there and brought the victim Shri. Tudu at a safe place. Then they checked his body condition and found that he was unconscious. Also checked his pulse and they provided him CPR as a part of first-aid to continue his breathing. (timing of CPR -11:10 AM)			
	khalashi in the sump of Pit -2.				

		3) Mr. A.K.Piyush then informed the Shift In-charge, Safety Officer, and Mine Manager immediately by WALKIE TALKIE within two minutes.			
		4) Safety officer called the ambulance (11:15 am) and it arrived in the quickest possible time at around 11:25 a.m. from the BGR camp.			
		5) Mine Manager and Safety Officer reached the site and enquired about the incident and gave necessary instructions.			
		6) The victim was then shifted into the ambulance along with the attendant under the supervision of safety officer at 11:28 a.m. and brought him to first-aid room.			
		7) Safety Officer rushed to the first aid room and arranged to take out the victim from the ambulance and handed over the victim to the attending doctor at first aid room at 11:35 am where he was rendered first aid.			
		8) Response time 35 minutes.			
33	Electrocution	Negligence of Electricians during work	The team concerned with E & M department to be briefed about proper use of PPE and following SOP / COP	Implementing LOTO in substation	
		Not following proper procedure for shutdown		Implementing SOP / COP in grass root level	
34	Supervisor fainted in OB Dump due to heat stroke	1 Supervisor name Shivaji Kumar fainted in west size 15 m OB Dump due to heat stroke.	1 To way communication (Walkie Talkie) was not provided which delayed the communication.	1. Mine is not fully equipped to handle emergency that may occur in a new mechanized OC Mine.	
		2. Overman Mukesh Yadav was working nearby immediately reported to pit office and shift in-charge.	2 Delay in communication due to poor network connectivity.	2. Control room and emergency contact number to be displayed at prominent places.	
		3. A quick preliminary assessment was conducted and First Aid was given to him by overman,	3. The stretcher was not found in good condition.	3. Awareness to be increased.	

		4. Ambulance reached spot along with paramedical staff and employees was transported to first aid station.	4.This delay further hindered our efforts to promptly get to the victims and to the first aid station.	4. Resonsibility is to be clearly defined and demonstrated.	
		5. After reaching first aid station preliminary treatment as giving to the employee by Doctor and worker was asked to take rest.	5. Control room emergency contact number needs to be updated.	5. Number of trained emergency response team members to be increase.	
		6. Mine Manager and emergency response team were duly informed of the incident who in turned notified the agent.		6. Flow of information is required to be explained to all the workers.	
		7. Overall response found satisfactory.			
		8. The employee was rescued in safe procedure.			
		Time details : Time receipt of information at pit office/ designated emergency control centre 10:45 AM,			
		a. Control room incharge informed ambulance : 10:46 AM			
		b.Further inform Sr. Officer (Safety Officer, Mine Manager, Incident Controller) : 10:47 AM			
		c. Ambulance arrived at point of incident : 10:58 AM			
		d. Person evacuated and reached at First Aid station : 11:15 AM			
3 4	Fire in Dozer at OB dump	Information of incident given by Prabir Banerjee (contr. Supervisor) to mine manager. Total time taken about 40 min Observation: Satisfactory		Shantui make Dozco dozer should be fitted with automatic fire detection and suppression system.	Nil
3 5	Fire in Shovel at working face	Information of incident given by Vishes Raj (Mining Sirdar) to mine control room. Total time taken about 45 min Observation: Satisfactory		No such shortcomings found (AFDSS was fitted at shovel and portable fire extinguishers also provided. Moreover the operator was well known about use of AFDSS and portable fire extinguisher)	Nil
3 6	A mock drill had been planned by a team comprising of the safety officer and respective shift overman in order to find out the	Communication help desk operator: The control desk operator received the information from the Overman about an accident happened. "Fire of bushes had broken out in the approach road, outside & away from explosive magazine house." He forthwith communicated to		Mine-Manager declared that it was mock drill and appreciated about the participation & involvement of working pesonnel as per their emergency Job Card.	1) Adequate wetting of fire area and surrounding s to be done to avoid revival of fire again.

	<p>efficacy of emergency response. The mine manager was apprised about the mock drill and acted as an observer, being present at considerable distance away from the mock incident site.</p>	<p>the Mine Manager and according to Manager's advice, he started to circulate the information as per emergency protocol.</p>			<p>2) Regular cutting & cleaning of bushes to be done to stop such pocket fire.</p> <p>3) SOP to be followed to deal and extinguish the fire.</p>
		<p>Blasting Officer : Blasting Officer received the information from the overman and also from the communication help desk. Blasting Officer on receiving the report immediately</p> <ol style="list-style-type: none"> 1. Rushed to magazine house from his current location inside the mine. 2. Asked shift In-charge of the mines to reach the spot. 3. Simultaneously called the 18 KLFire tender through wireless to reach the spot. 4. Asked Shift Security Supervisor to reach the spot, as described by him. 			
		<p>Engineering Dept : Colliery Engineer immediately informed the Electrical Supervisor to check any cable passing through the spot. He also asked the store to arrange and send 25 Kg Fire extinguisher.</p>			
		<p>Sub-station Electrician: Electrical supervisor alerted his team to be ready for electrical disconnection, if required; to check for nearby cables towards the location. As soon as the information received, immediately rang the emergency siren, to alert the other persons working therein.</p>			
		<p>Head-Security: After receiving information about the location of the incident, he moved to the spot with security pool to cordon off the area.</p>			

		Fire tender : After receiving the information, the fire tender operator filled the fire tender with water and proceeded towards the incident site. His quick response was really commendable.			
		All concerned persons from various department (Engineering, Blasting, Welfare, Survey) Arrived at accident side very shortly.			
3 7	Pump-Pontoon Submurgged	Leakage in empty drums Response time: 45 minutes		The pontoon and few drums were too old and they become rusted.	The Pontoon is always placed in a safe place. During some intervals (at least once a month) the pontoon and drums are to be checked regularly.
3 8	Sudden inrush of water due to heavy rain.	Water enter in the mine from the south side of mine (Near Muktaichandi pahar) garland drain Response time : 20 minutes		Danger Siren was not working due to failure of Electric power	Danger Siren required an alternate source of power (Battery operated type or Mechanical type)
3 9	Fire	Dumper Catching fire, response time 15 Min.		During mock rehersal workers stopped the production and rumours started in mine premises.	Safety talk shall be given to workers to act in emergency condition. Fire extinguisher filling report shall be maintained and periodically checked by a

					responsible person.
40	Inundation	Water level has touched the danger level. Response time 10 Min.		Workers were panic after hearing about the incident. All the HEMM and work persons were evacuated properly to safe place.	Key persons should act according to the responsibility given to them in the Monsoon Action Plan.
41	Inundation	Onset of Pit bottom 04 informed that water level of bottom seam is increasing rapidly to CDS operator. He informed to WI (Min.) and section incharge Mr. B.K Singh (Sr. Overman), immediately he instructed all the face worker to reach the pit bottom by following escape route along with Mining sirdar Mr. Harendra Prasad. Then, section incharge went to dip side pumping station at 17L/22D and 10D/19L to inform pump operators to immediately stopped the pumps and reach to pit bottom of 04 No. All the person reached to pit bottom of 04 no. at about 02:30 pm and after that all the persons were raised to surface by 02:40 pm.		<ol style="list-style-type: none"> 1. The total time taken from evacuate the mine since water level increases information was about 01:00 hr. 2. There was no telecommunication working at dip side pumping site at 17L/22D and 10D/19L. 3. Through safety talk, already trained all the workmen to follow escape route, so no one mistaken. all followed the escape route. 4. Tracing of evacuation of manpower were not informed regularly to CDS. 5. The attendance clerk could not clear about how many numbers of worker left in under ground. 	<ol style="list-style-type: none"> 1. All the workplace of underground should be connected with telephonic communication system. 2. All the supervisor should be ensure to communicate the real time tracing and status of evacuation of workmen to CDS operator. 3. Attendance clerk should be instructed to ensure keeping records of the workers who are still in underground.
42	Fire in BE300	Fire extinguisher available in BE300 Shovel operator extinguished the fire by operating the fire extinguisher. there was no delay in response.		Good	AFFDS system not work

4 3	Dump Slide & Heavy rain	Satisfactory, Response time 30 min		Good	Alert all person in shift workers and other workers present in the Mine
4 4	Fire in Excavator	Information of the incident given by Sri. Prince Kumar, Site Incharge of M/S DECO to Mine Manager Total Time- 40 Mins		AFDSS was not fitted in Excavator	Nil
4 5	Evacuation of Men & Machinery during Heavy Rain	As attendance clerk got the information regarding incident, he immediately blow the siren. Total time taken about 45 mins.		Haul road became slippery due to heavy rain which causes difficulty in evacuation of men by vehicles.	
4 6	Inrush of Water	Satisfactory		Good	Need to improve system of communication
4 7	Fire in Dozer While working at OB bench	<p>1. No firefighting station was provided in nearby working place, so that fire could be tackled with the help of other fire extinguishers at the earliest before arrival of fire van.</p> <p>2. AFDSS was not available & the Portable Fire extinguisher provided in the Dozer was not in good condition.</p> <p>3. No first aid station was available in nearby area, so that presumed burn injury sustained by the Dozer operator could have been provided first aid at the earliest, so as to preserve life and promote recovery of the injured.</p> <p>4. Ambulance was not provided with first aid box along with necessary medicine.</p> <p>5. Water tanker with Fire fighting pressure gauge (Fire Van) reached to the incidence site late.</p>		1. Supervisors were not having the phone numbers of Security person.	<p>1. Emergency contact list to be displayed at View Point.</p> <p>2. Installation of CCTV camera at View Point, MDO Mines Office, TEWB-WBPDCL Mine office and Security Office.</p> <p>3. AFDSS should function properly in such condition.</p> <p>4. Weekly maintenance and pre shift Safety Checks inspection need to be ensured of each</p>

					machinery operated
48	Regarding Danger of innundation in R-IV seam at No-2 Pit	All workpersons present in the face were assembled at the Miner station of 23L/2D and on instructions of the Overman they were send to surface via trvaelling road and all the reherasal was completed within 25 minutes. Response time was about 05 minutes		Coutning of workpersons by Shift Overman at Miners station was incorrect and during recounting by attendance clerk at Pit top actual figure was obtained.	On the spot, Safety talk regarding innundation or inrush of water should be given to all workmen present there to make them aware about emeregency preparedne ss..
49	Regarding Danger of innundation in R-VI seam at B Pit (from east side of J-17 panel)	Miing Sirdar whsitled and instructed all face crew to assembled at Miners station (24L/4-5D) urgently and also he informed pump operator and they reported at Miners Station within 05 minutes and all of them were send to surface via trvaelling road and all the reherasal was completed within 25 minutes. Response time was about 08 minutes		Two pump operators did'nt get information,So O/Man went there and sent to surface	The Agent ,Manager and engineer gave safety talk on pit top of No. B Pit about what to do in emergency.
50	Regarding Noxious Gas which was coming out from 39L/-1D. R-IV Seam No-2 pit	Miing Sirdar whsitled and instructed all face crew to assembled at Miners station (41L/7D) urgently and also he informed pump operator and they reported at Miners Station early and all of them were send to surface via trvaelling road and all the reherasal was completed within 39 minutes. Response time was about 08 minutes		Mock drill was succesfully completed without any panic .	The Agent ,Manager and engineer gave safety talk on pit top of no 2 Pit about what to do in emergency.
51	DUMPER CRASHED camper	Mining sirdar Inform overman Shift manager & Safety officer. Ambulance was Called immediately With Doctor by SO. Everyone In the camper were Examined by the Doctor and each Person was found not in bad condition- Responsetime :- 05mins Ambulance reached In		Mock drill Done in Smooth manner ambluance slight late than expected time	Light vehicle to use only LMV Road with high Mast & flag with Beacon lights

		20 mins and total Taken was 40mins			
5 2	Sudden inrush of Water at 0 Rise District from -7L/OR	All persons obeyed the instructions of the Overman and it took 10 minutes to withdraw all persons from the district and 25 minutes to complete the operation and resumption of work.		The Mock Drill was successful one.	To organize such type of practices at the regular interval without fail
5 3	UG Innundation	All persons from the district obeyed the instructions of the Overman. Some people found in panic state. The overman guided them with aasurance of safety, no injurry occured to anybody during the entire process. Total time taken to evacuate all workers 35 mins.Observation Satisfactory.		Response time should be less than 35 min.	All proaration should be adhered as per monsoon plan
5 4	Inundation	Satisfactory,Workers are withdrawn within 15 minutes		Although regular safety talks and SOP/COP briefings are being conducted but regularly update and review SOPs/COPs to reflect the latest safety standards and practices should be consistently conducted.	All proaration should be adhered as per monsoon plan
5 5	Inundation in mines (27L/0D)	Total time taken to evacuate working was 22 minutes.		All employees are evacuated successfully from main Dip pumping station to the safe base.	All the workmen should make aware the different escape route during Inundation.
5 6	Fire damp Explosion	Total time taken to evacuate all worker was 55 minutes.		Some Confusion among workers regarding location of firefighting equipment and SCSR and all doubts removed during course of mock drill.	Proper escape route should be marked & make all workers aware of it and also the maintenanc e of stone dust barrier should be done time to time.

57	Accident in Tippers in the dumping area.	Due to overcrowding of tippers in the ob dump area. Supervisor informed Management immediately and rescue operation started without delay. Response time was 30 minutes.		No shortcoming was observed.	Overcrowding should be avoided in the dumping area.
58	Heat stroke, Heat cramps, Heat exhaustion	Ambulance was immediately called and person taken to the hospital. Response time was 25 minutes.		No shortcoming was observed.	
59	Fire in Dozer	fire extinguisher was available in the dozer. Dozer operator extinguish the fire by operating the fire extinguisher. There was no delay in response.		No shortcoming was observed.	Fire fighting training need to be given to more number of persons.
60	Accident in Tippers in the coal depot.	The supervisor informed Management immediately and rescue operation started without delay. Response time was 30 minutes.		No shortcoming was observed.	Overcrowding should be avoided in the coal depot area.
61	Heat stroke, Heat cramps, Heat exhaustion	Ambulance was immediately called and person taken to the hospital. Response time was 25 minutes.		No shortcoming was observed.	
62	Fire in surrounding area of the magazine	fire extinguishers, fire buckets filled with sand in sufficient nos were present in the magazine with the help of this fire was extinguished within short intervals. There was no delay in response.		No shortcoming was observed.	
63	Underground fire in R-VIIB Seam Panel No. PB-IV.	1. At 11:32 AM emergency alarm is rang upon detection of simulated fire by Banksman and all personnel were notified of the drill. 2. The evacuation procedure were indicated promptly. Mines workers were instructed to the follow designated escape route by the supervisor. (3) Communication and Co-ordination including public address system. The mine emergency response team including fire brigade and rescue team and Co-ordination efforts efficiently. After information of ACM at 11:45 AM both fire fighting emergency team active. (4) Medical team present at 25 minutes after getting information		(1) Evacuation process was prompt. (2) Mine workers followed except route. (3) Avoid use of faulty equipment. All equipment should be intrinsically safe or fire proof. (4) Checking of all fire extinguishers validity.	(1) Training programme of fire extinguisher for handling and use. (2) Making of except route should be minimum interval. (3) Training of mine workers about emergency in case of fire should

		by the mine of ECL. Head count is matched with the attendance report in the return way by guard. (5) Mine fan was switch off and all persons withdrwn from the mine.			be at regular interval.
64	Fire in coal stock yard at CM Project	1. At 1:11 PM Security Guard informed to the all personal about simulated fire in coal stock yard at CM Project and 1:12 PM emergency alarm was rang by security guard. (2) Good use of latest communication system observed. (3) All employee (surface) involved in mock drill observed following emergency plan prepared from coal stock yard at CM Project. (4) No panic situation at site and emergency handled properly with instruction of site. (5) Response time: Safety Officer- 12 minutes, Strata Control Officer - 15 minutes, Ambulance - 10 minutes, Water tank - 20 minutes, Local emergency fire fighting team - 20 minutes		(1) Emergency contact number to be displayed at more places. (2) Lack of training to operate fire extinguishers.	(1) Emergency contact number should be displayed at more places. (2) Sufficient number of fire extinguishe r should be provided. (3) The training should be arranged at regular interval about emergency and to operate fire extinguishe rs.
65	Inundation of water at OCP Mines	(1) At 1:02 pm shift in-charge to all person about simulated inundation and at 1:04 pm emergency alarm was rang by security guard. (2) The evacuation procedure were initiated initially by L.M.V. to mine workers instructed by M.S. (3) Head count is matched with attendance report by shift in-charge. (4) Response Time: Manager - 15 minutes, Safety Officer - 16 minutes, Medical Team with ambulance - 20 minutes, (4) Local rescue team - 25 minutes.		1. Turnijore should be properly cleaned for smooth flow of water. (2) Kachha drain was not made to divot rain water to entering into mines. (3) Lack of water safety jacket, water safety tube and nylon rope.	(1) Turnijore should be properly cleaned for smooth flow of water, (2) Kachha drain should be made to divert rain water to entering into mines, (3) Water safety jacket, water safety tube and nylon rope should be provided.

6 6	In-undation at Madhaipur 5 & 6 Pits	Information was given to district and the overman withdrew the workers from 39A without causing any panic. The evacuation was smooth. Information to 1 no pump operators reached late		Workers were withdrwan and reached pit top in 40 minutues	Safety Officer gathered everyone and gave information about dos and don'ts during inundation or associated emergency . Responsible person at the surface to be alert
6 7	In-undation at Madhaipur 5 & 6 Pits	The contractor representative withdrew all the pump operators from the pumping locations. The shovel operators and dumper operators withdrew from face in 10 minutes after passing the information		Workers were withdrawn and reached pit top in 15 minutes.	Safety Officer gathered everyone and gave information about dos and don'ts during inundation or associated emergency . Responsible person at the surface to be alert
6 8	Surface Inundation at Belbaid Colliery	All key persons including Managers, Safety Officers, Engineers, attendanc Clerk, CDS Operators, Lamp Incharge, Trade Union Representatives, responded timely, withdrawal of all persons was completed within time limit of 65 minutes.		(1) Mock drill was done in smooth manner, but time taken for information and withdrawal of last man time was more than exception. (2) Medical Officer also responded from Kunustoria Area Hospital	(1) Withdrawal timing could have minimised by at least 10 - 15 minutes. (2) Arrival time of the medical officer may be also minumized.
6 9	Inundation and sudden in rush of water below ground at no. 3 pit RVIIA seam.	Satisfactory response observed in all stage of emergency operation. Response Time: 45 minutes		Carried Out Successfully	Coordinatio n between near by mines to be made for sending of ambulance

					in case of emergency of the near by colliery.
70	Underground fire in pit no. 3 RVIIA seam	Satisfactory response observed in all stage of emergency operation . Response Time: 50 minutes		Carried Out Successfully	Proper Co-ordination from all nearby mines are expected, hence communication channel shall be strengthened.
71	Inundation and sudden in rush of water below ground at no. 3 pit RVIIA seam.	Satisfactory response observed in all stage of emergency operation . Response Time: 40 minutes total operation		Carried Out Successfully	Rescue team from rescue room should respond quickly.
72	Inundation, No. 2 Incline	All work persons were evacuated successfully. Total evacuation time : 25 minutes.		Good response and good communication between employees.	Awareness increased among the workers for using Escape route 2nd outlet in case of emergency.
73	Regarding fire at 21R/40L of 6 no pit.	After getting information from general shift overman about fire at 2 no pit bottom substation, Safety Officer reached the place, in the mean time sub station attendant including section workers have been withdrawn from escape route within 30 minutes.		Most of the workers have been withdrawn from escape route within 30 minutes.	Safety Officer gathered everyone & gave information about dos & don'ts during any emergency such as fire. Responsible person at surface to be alert.
74	Regarding danger of inundation surface water '-7L/72R TO -17L/73R	After getting information from general shift overman about inundation near section pump, Safety Officer reached the place in the mean time pump optr. Including section workers have		Most of the workers have been withdrawn from escape route within 40 minutes.	Safety Officer gathered everyone & gave information

		been withdrawn from escape route within 40 minutes.			about dos & don'ts during any emergency such as inundation. Responsible person at surface to be alert.
7 5	Regarding danger of inundation 11L/28D of 5 no. pit	After getting information from general shift overman about inundation near section pump, Safety Officer reached the place in the mean time pump optr. Including section workers have been withdrawn from escape route within 20 minutes.		Most of the workers have been withdrawn from escape route within 20 minutes.	Safety Officer gathered everyone & gave information about dos & don'ts during any emergency such as inundation. Responsible person at surface to be alert.
7 6	Inundation	NO PANIC SITUATION WAS ARISED DURING THE WHOLE OPERATION. ALL WORK PERSONS WERE EVACUATYED SUCCSESSFULLY ABOUT 60 MINS WAS TAKEN DURING THE WHOLE OPERATION.		BETTER COMUNICATION SHOULD BE PROVIDED.	AWARENES S AMONGST THE WORKER TO BE INCREASED BY SAFETY TALK. PROPER TRAINING FOR USE OF SELF RESCUER SHOULD BE GIVEN TO ALL WORKERS.
7 7	Irruption of Noxious Gases from the old disused workings	PANEL- S8 (TOP DEV)REPORTING TIME- 2:45PM, RESPONDING TIME- 2:50PM, ALL REACHED SURFACE THROUGH ESCAPE ROUTE AT 3:20PM EVACUATION TIME- 30 MINS		COMMUNICATION SYSTEM (CDS) TO BE IMPROVED.	1. SPECIAL TRAINING REGARDIN G MOCK REHEARSAL TO BE PROVIDED. 2. MORE COMMUNIC ATION POINTS TO BE PROVIDED

					IN UNDERGRO UND.
7 8	Mock rehearsal in the event of UG Gas irruption.	Initially there was panic in the mine but after knowing the actual fact, it was normal. All key persons like attendance clerk, W/e operator, banskmen etc. responded timely. Response time was 15 min and withdrawal time was 65 Minutes.		The withdrawal could have been more orderly.	MORE COMMUNICATION POINTS NEED TO BE PROVIDED IN THE UNDERGRO UND
7 9	Water intrush at Panel 21	(1) Initially there was panic occurred but after knowing the actual situation it was normal. (2) All key personss, attendance clerk, PSC members, Trade Union representative and rescue trained persons responded timely. (3) Withdrawal time of all persons was 45 minutes.		(1) Mock drill has been done in smooth manner. (2)Withdrawal timing would have been decreased by 10 minutes.	Time of gathering of all employees from different part of the mine to pit bottom should be reduced.
8 0	Spontenious heating	On dated 24.05.2024 at about 2:30pm, an information was recieved at CDS from shift overman that a smoke is coming out from a coal heap. Shift overman then informed pump operator and pit manager and all the employees underground. The CDS operator immediately informed to all the officers on duty. The reporting time for the officers to tackle the incident was 2:45 pm. The evacuation of men through winding done at 3:30 pm. Time taken from information to withdraw of persons was 45-50 mins.		Total time taken from sign of spontaneous heating to withdrawal of all persons was about 50 mins.	Mockdrill training classes can be organised to increase awareness amongst all persons working belowground and to tackle any dangerous occurrence in minimum time.
8 1	Inundation	1. After Noticing a huge amount of water intrushing into the mine from Singaran Jore the machines from the dipmost face withdrawn to the safe place by the face supervisor withing 15 minutes during the heavey rainfall. (2) The pump from the sump has been withdrawn within 1 hour. (3) All key persons responded timely.		A little bit delay for arrangement of hydraulic shovel for withdrawal of the pump.	Every concerned persons should be alert during heavy rain fall including arrangement of machinery.

8 2	Smoke coming out	Satisfactory response observed in all stage of emergency operation. Response time- 45min		No short coming observed	Awarness among all persons needs to increase through safety talk.
8 3	Smoke coming out	Satisfactory response & good communication observed between all persons during operation. Response time- 50 min		No short coming observed. Carried out successful	Matters regarding the use of escape route during emergency should be discuss repeatly in Pre-shift safety talk.
8 4	Inundationion	Satisfactory response & good communication between all person during operation. Response time- 45 min		No short coming observed	Awarness among workers regarding inundationion and need to increase safety of people through safety talk.
8 5	Spontaneous Heating	The whole operation was carried out swiftly and everything was as per plan. Information system was maintained as per Emergency Evacuation Plan. Total time taken 1 hour 15 minutes. Response time 2 minutes.		Every person involved in the process are aware of their responsibilities & duties and prompt actions in case of an emergency.	Nil
8 6	Inundation	Some time lag found in contractual persons. Response time 20 minutes.		Contractual work persons were not aware of the process and attendance clerk missed the timely response.	Prompt action and timely response suggested from the whole team.
8 7		1. All the employee from JT -20 panel came to the surface smoothly. 2. No Panic situation Occurred during withdrawal of persons from JT - 20 panel to surface. 3. Withdrawal time of all the persons was 20 minutes.		No adverse outcome	Mock drill must be conducted every quarter so as to remind the employees how to go to the

					surface/safe place without panic and through safe manner.
88	Inundation in underground at 10 no Pit.	Almost all the employees of section including Pump Operators, Haulage operators at different locations, stowing crews are responded quickly and reached at Pit bottom within 55 minutes.		Most of the employees were very serious and responded well. A contractor gang engaged in side stitching job were not aware of the process and panicked after getting information.	Prompt action and timely response suggested for whole team.
89	Spontaneous heating at 18th Level/1 North Dip pump site at 11 no pit	All employees including pump operator, Face workers, haulage operators responded quickly and collected at 1south dip/ in-between 4th & 5th level within 20 minutes.		Most of the employees were very serious and responded well. Resumption of work permission has not been properly obtained as per ER&EP.	Awareness regarding Emergency Response & Evacuation Plan to be imparted.
90	inundation	All Employees responded very well and reached at pit bottom within 4 minutes.		Mock drill completed successfully and in smooth manner.	Awareness and Training for quick response system shall be given to all work persons.
91	Inundation	Mock rehearsal has been organized on Inundation in OC Mine . All employees responded within 25 minutes.		Most of the employees were unshown about the Inundation. few workers tried to scape by riding the HEMM i.e. tipper.	Spacial training to be give on Inundation (Danger from underground water and surface water.)
92	Inundation from hearby existing Quarry	After information received from attendance room shift Official & supervisors immediately vacated the face & all men are withdrawn from UG within 30-40 Minutes.		Mock drill was found satisfactory.	Emergency route should be clean all the time.
93	Sudden inrush of water at 4D main sump	1. It was assumed that sudden inrush of water was observed at 4 Dip sump and water level is rising drastically. 2. It was observed after inspection that water flowing in huge quantity from roof side and floor from 8 Dip / 30 level to 8 Dip / 31 level till 7D/31 level from cracks and gaps.		1 Manager ,Safety officer , W.I(M),W.I(Mech) Coll Engg.Pit manager went to inspect the site 2.They inspected all the area , sump and discovered no cracks to be widened at any places but water was flowing out from the cracks but is small quantity.	1. Water flow must be monitored regularly at the V-Notch installed at 7D/31L for any abnormal

		<p>3.Sri Saibal Goswami reached the site immediately when he got the information from pump operator of 4dip sump , he reached the sump at 02:50 pm he got information at 02:40 pm .He then informed all employees of 8 dip development district for evacuation to surface from C pit bottom immediately.</p> <p>4. He then informed to all superior authorities over CDS telephone at 3:05 pm</p> <p>5. All person come to surface at around 03:40pm under the supervision of Subro Banerjee O/M</p> <p>6. Withdrawal time 45 mins .</p> <p>7. last person came surface at 03:40pm</p>		<p>3. Total 32 employees come to surface from 8 Dip development district via escape route. Manager declared that it was a mock drill</p>	<p>flow. 2. O/M must carry the multi gas detector with him all the time .</p> <p>3. M/S must carry with him Flame safety lamps. 4. Hourly reporting of water level to be given to control room during monsoon.</p> <p>5. Regular inspection of sump by shift foreman and shift manager in back shifts</p>
94	Head & Tail Collision between two Dumpers.	<p>At about 12.30 pm Sri Asish Mondal, Shift.In-Charge shouted on the walkie talkie that Dumper no. 9092 & 2148 have been collided near the approach road of the OB dump.On listening, the Emergency Organisation responded immediately.</p> <p>Response Time: Manager reached within 8 minutes, SO reached within 8 minutes, Team Members reached within 9 minutes, Fire Tender reached within 10 minutes and Ambulance reached within 10 minutes.</p>		Mock drill was found satisfactory	<p>Dumpers shall not move in close succession. At least a distance of 30 mtrs. Or 100 ft. shall always be maintained between two dumpers.Special attention shall be given during water spraying on the ramp. Excess water shall not be sprinkled so as to cause slippery.</p>

9 5	Fire/Spontaneous heating at V.K Unit	Observation was satisfactory in respect of communication in time except the pump operator left the safety lamp at the pump site due to panic. Total time taken is 50 minutes.		No shortcomings were observed except the leaving of the safety lamp.	The pump operator has been instructed and made him understand that in any situation he should not indulge in panic.
9 6	Inundation at NKJ Unit, Khandra Colliery	Observation was satisfactory but the store keeper could not be informed due to change of his Mobile No. Total time taken is about 1 hour.		No shortcomings observed except the absence of the Store keeper.	The Store keeper was told to inform the Management for the same.
9 7	Inundation at V.K. Unit, Khandra Colliery	Observation was satisfactory to a great extent in respect of communication in time except the small breakdown was there in CDS board for about 10 minutes. Total time taken is about 55 minutes.		No shortcomings observed except CDS board was under breakdown for 10 minutes.	Such standard of Mock Drill should be maintained and continued. The CDS linemen were instructed to carry out maintenance within 30 minutes of start of the shift.
9 8	Mock rehearsal on Fire and Smoke conducted in LHCM1 District of R-VIIA Seam at 3 & 4 Incline Unit	(1) All key persons such as Ambulance, Doctor, Attendance Clerk, PSC Members and Trade Union Representative responded in time. (2) Evacuation started from 2:05 PM after emergency whistle was started from 2:00 pm. Most of the persons were evacuated to pre-decided rest shelter within estimated time.		(1) There was lack of sincerity in the mock drill especially from Rescue team to respond within the trigger time. (2) Ventilation in between 14 L to 16 L of 3rd Dip and 17 L & 18 L of SD was disturbed. (3) One person who did not respond after hearing the emergency whistle was educated about the Emergency Response and Mock Drills.	(1) More interaction and awareness among the work persons about the advantages of Mock Drills is required. (2) Withdrawal time could have been reduced.

9 9	Mock Drill on Sudden Fire observed at L/W Panel 14 at MIC Unit	(1) All key persons such as CDS Operator, Ambulance, Rescue team, Attendance Clerk, PSC members and Trade Union representative responded in time, whereas there was late response from the Doctor. (2) Evacuation started from 1:06 pm after emergency whistle was started from 1:05 pm. All the persons (except one) were evacuated to pre decided safe shelter within estimated time. (3) Initially there was a panic situation among the workers due to which one person (Shri Suku Soren) fell down but after knowing the actual situation the condition got normal.		(1) Initially panic situation was observed among the workmen and due to hurriedness one person fall down during evacuation. (2) Persons positively participated and responded to the Mock drill. (3) Emergency evacuation response of the work person has been improved as compared to previous mock drill.	(1) SOP should be religiously followed. (2) More interaction and awareness among the work persons about the advantages of Mock Drills shall be developed. (3) Contractor workers who are engaged in the section shall also be educated regarding Air Blast. (4) Response to emergency situations could be improved.
1 0 0	Mock Drill on Inudaation in LHCM 1 District of R-VIIA Seam at 3 & 4 Incline Unit	(1) All key persons such as , Attendance Room, Ambulance, Doctor PSC Members and Trade Union Representative responded in time. (2) Evacuation started from 2:32 pm after emergency whistle was started from 2:30 pm. Most of the persons where evacuated topre decided safe Shelter within estimated time.		(1) Miner of Service provider forgot to blow emergency whistle due to hurriedness. (2) Emergency evacuation response of the work person has been improved as compared to previous mock drill.	(1) More interaction and awareness among the work persons including service providers about the advantages of Mock Drills is required. (3) Withdrawal time could have been reduced.

101	Mock Drill on Air Blast in LHCM-2 District of R-VII Seam at 3&4 Incline Unit	(1) All key persons such as , Attendance Room, Ambulance, Doctor PSC Members and Trade Union Representative responded in time. (2) Evacuation started from 2:32 pm after emergency whistle was started from 2:30 pm. Most of the persons where evacuated to pre decided safe Shelter within estimated time.		All the workers were wearing Chain Strap of the helmet. (2) Miner of Service provider forgot to blow emergency whistle due to hurriedness. (3) SOP was distributed and deliberated to all the work person and their emergency evacuation response was satisfactory.	(1) More interaction and awareness among the work persons including service providers about the advantages of Mock Drills is required. (3) Withdrawal time could have been reduced.
102	On event of Spontaneous Heating.	(1) Initial there was panic occurred but after knowing the actual situation, it was normal. (2) All key persons attendance Clerk, PSC Members, Trade Union Representative and rescued Trained Persons respond in timely. (3) Store Keeper was delay by 20 minutes. (4) Withdrawal time of the all persons was 48 minutes. It should be withing 30 minutes.		(1) Mock Drill has been done in smooth manners. (2) Withdrawal timing could have been decrease by 15 minutes. (3) Store keeper should come on time.	Pump Operator should be trained to leave the place immediately after getting information of spontaneous heating/inundation from CDS. Withdrawal timing could have decreased by 18 minutes.
103	Inundation from ug source	All employees including pump operators were responded excellently and reached at pit bottom via escape route established inundation within 40 minutes.		Most of the employees were very serious and responded well. Very few employees among them were confused and panicked.	
104	Inundation from surface source	All employees including pump operators were responded excellently and reached at pit bottom via escape route established inundation within 40 minutes.		Most of the employees were very serious and responded well. Very few employees among them were confused and panicked.	

1 0 5	Inundation from surface source	All employees including pump operators were responded excellently and reached at pit bottom via escape route established inundation within 40 minutes.		Most of the employees were very serious and responded well. Very few employees among them were confused and panicked.	
1 0 6	Fire	As soon as supervisor shouted about the fire in the current working section, a fear has been seen in the working people. Immediately they left the section and followed the intake road to come at the pit bottom. The supervisors blow the vessels and gathered the information about the incident. From pit No. 2 all the workers reached the pit top safely within 48 minutes.		All the manpower followed the intake route during the evacuation. Vessel should be resented with all the supervisors.	Firefighting equipment should be available near the machines. Firefighting refresher training should be given to the supervisors.
1 0 7	Fire	When an emergency occurred about the event of fire all the work persons followed the intake path and collected at No. 2 pit bottom for evacuation to surface within 45 minutes.		Ambulance reached on pit top within 20 minutes with first aid kits and medical staff.	Firefighting refresher training should be given to the supervisors.
1 0 8	Inundation	When an emergency occurred workers showed signs of fear and urgency and the workers followed the intake road to reach the pit bottom. There was minimal panic and workers assisted each other in moving swiftly and safely. The evacuation was completed in 46 minutes. No injuries were reported.		All workers were calm and followed the instructions of the supervisor and there was no pushing or shoving and ambulance reached on pit top within 14 minutes with first aid kits and doctor.	More awareness to be carried out in work persons regarding seriousness in case of emergency.
1 0 9	Preparedness of Emergency Organization for Detection and dealing of KD Dump's Bench Failure at Tikak Colliery (Open Cast Coal Mine)	Location: LOWER OB DUMP Participants: Emergency Response Team, Mine Management and out-sourced HOE- Contractor, NDRF & SDRF Objective: The objective of the mock drill was to assess the readiness and effectiveness of the emergency organization in detecting and responding to slide of KD 4th OB bench at our open-cast coal mine. Scenario: Designated Top soil dump is established in a designated area where all top soil dumping was placed. The emergency response team was required to respond promptly, assess the situation, and take necessary actions to control and manage the dump slide while		No delay in relay of information	Mock Drill on assessed hazards (identified as per SMP of the mine) should have been conducted at specified interval with due intimation to the statutory authority

		<p>ensuring the safety of personnel those engaged.</p> <p>Key- Highlights: Prompt Response: The emergency response team demonstrated a quick and coordinated response to the dump slope failure showing excellent- readiness.</p> <p>Communication : Communication within the emergency organization was efficient and clear. CUG mobile phones, mine siren & walkie talkie were used effectively to notify relevant personnel. Toe wall / retaining wall: Dump slope is monitored by total station in strategic location pegged therein. Evacuation: The Manager along with safety officer ensure the safe evacuation of personnel from the affected area and to warn beforehand the dangers associated with dump failure.</p> <p>Coordination: Close coordination between the emergency response team, Mine Management and out- sourced HOE- Contractor was observed , ensuring a well organized- response.</p> <p>Training: The mock drill is highlighted the importance of regular training, discipline and preparedness exercises, as all participants demonstrated a good understanding of their roles and responsibilities.</p> <p>Recommendations: Continue regular mock drills to maintain and improve preparedness levels. Evaluate and update the emergency response plan based on lessons learned during drill. Conduct post- drill briefings to gather feedback and identify areas for improvement. Ensure that all emergency response equipment is regularly inspected and well- maintained.</p> <p>Conclusion: The mock drill evaluates the preparedness of the emergency organization for dump slope failure at Tikak open- cast coal mine, demonstrated the team's ability</p>		
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		for dump slop failure at tikak open-cast mine, demonstrated the team's ability to respond effectively to such untoward incidents. it highlighted the importance of unpreparedness in ensuring the safety of personnel and mining machineries . Response time -10 am to 02.30 (270 mins)			
1 1 0	In rush of water from P-3 Panel consequences Main dip water gradually increases along 5L /7R of N.K. Seam(R-VII) of Pit No.- 2	1st information received at CDS- 8.00AM 1st Response/ Evacuation started at 8.05AM Evacuation completed at 08.30AM		As response time found adequate, so no such shortcomings is observed (escaping through reverse incline to Main incline)	The drain of reverse incline has cleaning required.
1 1 1	incident/ accident due fly rock in blasting.	1. The person concerned was blasting overman effected by blasting fly rock cause injury in his shoulder. 2. After providing first aid and informed to MTK by blasting officer. 3. The Mine manager along with safety officer with emergency team rushed to the site of incident. 4. After 15 min of incident ambulance reached to mine from parking at site office. 5. The injured person kept in ambulance by using stretcher and immediately sent to nearby govt superspeciality hospital at barjora.		1. Negligency of blasting overmen not using shelter as it is available in mine. 2. Overcharging of face. 3. Drilling of holes in undulated watery face.	1. Special training to be arranged for all member of blasting including SOP to be followed. 2. Compulsory use of blasting shelter. 3. Proper stemming of watery holes. 4. Blasting shelter shall be placed opposite of free face.
1 1 2	Fire on dumper no. 42	1.Availability of fire extinguisher in dumper. 2. Response time of safety team to implement ERP / SOP was satisfactory. 3. Better coordination and communication among team members.		Maintenance of all HEMM should be on time and as per schedule.	1. Regular check of fire extinguisher to know its functionality. 2. Advance training to deal with situation in

					case of extent of fire is more. 3. Safety talk on regular interval.
1 1 3	Hand injury to fitter using hammer while working at workshop.	After getting information the foremen at workshop provide first aid to injured person. The mine manager , safety officer & shift in charge immediately rushed to place of incident. Ambulance arrived at site within 15 minute.		1. Foremen was not properly trained to provide first aid to person concern. 2. Worker working in workshop without wearing helmet.	1. Foremen was not properly trained to provide first aid to person concern. 2. Worker working in workshop without wearing helmet.
1 1 4	Feeling Heat stroke in OB face(Supervisor)	After getting information from Overman In-Charge, the Welfare Officer along with safety assistant(MDO)immediately reached to place of incident.The person concerned given glucose water and ORS in nearby shelter.The medical Officer along with medical attendant reached there after 20 minutes of incident.After checking pulse and BP,sent him to nearby dispensary.		1.The working hour of face supervisor in day time was 08 hour 2.Non-availability of walkytalky in place of incident for better communication.	1.To follow guidelines given by competent authority regarding working in excessive temperature. 2.To provide sun glasses ,umbrella and 02 liters of cold water to each individuals. 3.Rotational duties of supervisors (Directly under Sun light, inpit dumping ,workshop, pump site Etc). 4.Working hour shall be reduce to 05 hour in first shift.

1 1 5	Inundation from surface water	Everyone at panel S2 and at pumping station responded promptly upon information from surface . Response time = 15min		No shortcomings observed	N/A
1 1 6	Inundation	All persons withdrawn safely within 30 minutes through Pit no -1 without Panic and hurriedness		Satisfactory	No any
1 1 7	Regarding inundation	It was reported in CDS by Overman from O-(B)-x-cut that abnormal waterflow from 20 east dip from water seal of I.S. 107 which may arise risk of inundation. after receiving information from CDS, manager immediately activated emergency evacuation plan and instructed Overman at underground through CDS to evacuate all workpersons. All employee from 9 dip(east) section, 15L west and pumping station gathered at safe base within 06 minutes of response time except 02 pump operators from 17 dip east pump who came after 12 minutes. All employees came to surface in 40 minutes.		Two pump operators could not reach safe base within response time as he answered telephone after 5 minutes.	Training is required to all work persons to answer telephone promptly.
1 1 8	Dangor of Inundation	1)No hurriedness, no panic amongst persons working at below ground.2)All person followed escape route. 3)Responce time 10 minutes escape time 25 minutes.		Outcome:- Mock Drill was successful. Shortcomings:- Two employees aged above 58 years were unable to walk fast and hence reached surface within one hour.	1)Awarenes s shall be increased among all workers towards alteration against any danger. 2)All pump operators at remote shall be aware of remain to be active during duty

					and not to fell asleep.
1 1 9	Bench failure	During inspection of W/I (M),the cracked OB bench collapsed all on a sudden at 10.30 am with an area of 20 mt.X7 mt. and he reported the incident to the Mnager & Safety Officer.They reached the spot and observed that previously cracked zone was widened & fell down.No man & machinery were deployed beneath the bench..Control room had establishedquickly and declares all man & machines are in safe . Incidence occured at 10.30 am & completed the procedure at 10.55 am.		Although information given as per Emergency Response Plan but some time has been killed due to weak network,low range walky takies and repetation of information system.	1.Wide range of Local net work(walky talky)2.Special vehicle for the purpose 3.Frequent Training for the engaged persons.
1 2 0	Mine Fire	1) When W.I(mining) blown the whistle. 2) panic was observed among the workmen. . 3) All found in a state of shock & panic.		1. A Driller reached at 77WL/ 2 dip late by 10 Min.	1.Workmen shall be made aware of the panic driven situation. 2) Being organised & calm during panic is key of safe withdrawal workmen.
1 2 1	Inundation	Safety Officer, Shri.T.S. Yadav was informed to this mine manager, Mr.S. chakarborty at 12.30pm that due to failure of drain system, water has accumulated Around BGML Mouth. As soon the message received, the Banksman. He informed the Overman. mining sirdar, of UG. through the telephone, All the workers started to move. Through escape route with Overman & Mining sirdar within 45 minutes.		Pump operator at 24 dip informed late & they come at pit Bottom after 30 minutes late.	Telephonic communica tion system to be provided at 24 dip.

1 2 2	inundation	All Personal withdrawn From Panel P-6 through traveling Way and incline no 1 haulage Way within 53 minutes. it is observe that we have 2 minute faster then previous time. every one does there job properly without any delay.		Satisfactory	need only improveme nt in telephone Communica tion
1 2 3	Inundation	Safety Officer, Shri. G. Sethi was inspecting the bore holes of 31R of Jemehari Colliery Mine Boundary. He observed that large amount of water was coming from the boreholes. He understood that it was danger of inundation. He immediately informed from CDS phone of 32Dip/8L to the Pit Manager and Shift In-charge of R-V Seam. The Pit Manager who was at 62Dip Dev. Section instructed the electrician to cut off the power supply and moved towards the shaft quickly along with the section in-charge and all the workmen deployed at 62Dip Dev. Section. Total evacuation time is 1hr 20min. Initial panic observed but after moving towards all workmen settle down.		Telephonic communication system of 26L/32Dip haulage was not working properly. While returning from 62Dip Dev. Section Mining Sirdar informed the Haulage operator.	Telephonic communica tion system to be provided of haulage should be regularly maintained.
1 2 4	STRATA FAILURE	Total time taken to evacuate all workers – 40 MIN. OBSERVATION-SATISFACTORY		1. NEED IMPROVEMENT IN COMMUNICATION SYSTEM. 2. RESPONSE TIME SHOULD BE LESS THAN 35 MIN.	1. NEED PROPER AND VIGILANT DRESSINF IN ROOF AND SIDES. 2. MINING SIRDAR SHOULD CHECK FOR SOUNDS AND CRACKS IN FACES BEFORE DRESSING.
1 2 5	Fire Dealing	After receiving information from Superintendent at 12:30 am , emergency siren was put into operation in time for summoning		No major short comings was noticed. Only timing may be improved to two to three minutes.	More prompt action is

		all brigade members and drivers. At 12:40 am Instructors, brigade members, and Driver with Fire Tender were ready for moving out. One Instructor, three brigade members boarded at Fire Tender and moved out from MRS at 12: 45 am.			expected from all.
1 2 6	Inundation	On xxxx in the 1st relay near about 2.30 pm over man Mr. Imtiyaz Ansari, who was deputed at 4no. East Level transit Dist. found that massive flow of water coming from rise side and flowing through dip side, he ran immediately and informed to Pit Manager Mr. P. Kumar to assemble all the workers at 5 no. golai of 16 Dip & informed through CDS to Manager, Safety Officer of Mithani Colliery. Mr. P. Kumar led all the workers through 4 no. East Level (Escape Route) and reached at 3 no. Rise/4 EL, up to 1 no. pit bottom after all the workers assembled at Pit bottom he then instructed the On setter to move them up through cage without any hurry it took about 45 minutes to move al workers on the surface safely. Total response time taken for withdrawal of all persons from District to surface is 45 minutes.		There was no Telephonic communication system available at 4no. Rise Haulage. Mining Sirdar have personally inform the Haulage operator.	Telephonic communication system to be provided at 4no. Rise Haulage and should be regularly maintained.
1 2 7	TIPPER CRASHED camper	Mining sirdar Inform overman Shift manager & Safety officer. Ambulance was Called immediately With Doctor by SO. Everyone In the camper were Examined by the Doctor and each Person was found -it Responsetime :-05mins Ambulance reached In 16 mins and total Taken was 37mins		Mock drill Done in Smooth manner	Light vehicle to use only LMV Road with high Mast & flag with Beacon lights
1 2 8	EDGE DUMPING ACCIDENT	Mining sirdar inform overman shift Manager Safety officer and manager. Ambulance was Called immediately With Doctor by SO. Dumper driver was Examined and given First aid and was sent To area hospital For further Examination Total response Time was 41 mins		Mock drill Done in Smooth manner	Follow traffic Rules Edge dumping to Be stopped Wherever berm Height is Insufficient.

1 2 9	Inrush of water	Late withdrawal of 3 persons. Response time - 35 minutes.		Workers should be more conscious and take more importance in case of any emergency.	Response time to be reduced. Distance is long from 50D/52L dev. dist. to surface, so more attention to be given.
1 3 0	Fire on Tripper	D.A Tiwari, SO, Nimcha (R) Colliery, was inspecting Haul Road and Safety Features of Highwall Project at Nimcha (R) Colliery. He observed that there was large amount Smoke\Fumes was coming out from tipper.He immediately informed to A. Kumar(Incharge of Highwall Project) that excess quantity of smoke is coming from lower part of the Tipper. Then they took necessary action immediately by activating Emergency Response and Evacuation Plan and Rahul chatterjee (o\m) and their team have Extinguished fire from affected place of tipper by fire extinguisher. Total withdrawn person was 11 and Total response time is 15 min. Initial panic observed but after moving forward all workmen settled down.		Communication system was not proper as there was no local wireless communication system.	1.Required additional water pipes for controlling dust and class AB fire for dealing with fire. 2.Wireless communication system(walki-Talki) to be provided at Highwall project.
1 3 1	Inundation	RESPONSE TIME -30 MIN AND ESCAPE TIME 25 MINUTES. ALL PERSON FOLLOWED ESCAPE ROUTE. NO INJURY, NO HURRIEDNESS,NO PANIC		1)Response time should be less than 30 minutes.	1)caved out area shall be regularly monitored on surface 2)Remote pump operators shall remain active during duty.

1 3 2	Inundation	1. At 61dip junction information was not conveyed due to non functioning of CDS operator 2. Emergency siren was not blown. Response time 10min. Total time taken 35min.		1. CDS telephone not maintained at all 61 golai 2. Emergency Siren not tested and maintain	1. CDS telephone not maintained at all 61 golai 2. Emergency Siren not tested and maintain.
1 3 3	Inundation	1. . Information to the west side 12 cross cut Pump operator got delayed due to non functioning of CDS telephone . 2. the old aged persons were not so prompt for immediate evacuation 3. Time taken in the evacuation of manpower was 35 min from working section/Panel to the incline No.1 escape route.		1. CDS telephone communication at west side pump was not working 2.Manpower distribution Plan was not present at the pit top	1. CDS telephone not maintained at Pump site 12 cross cut 2. New and better CDS board need to required for the proper communication system. 3. Manpower distribution plan should be maintained in every Shift .
1 3 4	Sudden water level increased too much at North side (lower pumping station). Pontoon carrying pumps moved upwards. Coal production immediately stopped & shifted the shovel to a safe place. Pump operator informed the Overmen, who conveyed the message to the higher	Manager(Statutory), Manager(MDO), Engineer and Safety Officer rushed to the upper place of pumping site at North side. Shift ACM, Workmen Inspector,shift Overmen sent all the persons including HEMM to a safe place. Security personnel restrict the area for entry of persons. They found suddenly huge water coming out from Marshy land. Afterwards Mine Manager stated that there was no such happend,it was a just for Mock drill rehearshal, a pipeline cut intentionally for discharge of water from marshy land. He thanked to all persons of emergency organisation and conducting successfully Mock rehearshal. Response times- Manager(Statutory)- 4 min, Manager(MDO)- 4 min.		Some workers got panicked.	Frequent Mock drill rehearshal helped persons always to keep themselves safe and alert, and how to deal with any unwanted situations. Through Pit Safety Committee Meetings and regular Safety talks given to the workers for enhanced

	authirity and took precaution for safe guard of place and persons.	Safety Officer- 4 min.Colliery Engg- 4 min.			their safety and awareness.
1 3 5	Inrush of water in OCP (Overflow of water in periphery drain)	As there was heavy rainfill and there is the chance of in rush of wter in the Quarry by overflowing the drain. After getting infromation about the situation assistant Manager of OCP advised to all mining supervisor to leave the workplace with all workers along with machines except pumps. Total time taken about 30m.		Mork Drill was successfully implemented	
1 3 6	1.At the time of mock drill area was not barricaded 2. Auto fire protection system was working but in addition to that manual fire extinguisher was not operated because of rush & lack of attentiveness	1. Operator should operate manual fire extinguisher patiently to extinguish fire 2.mock drill area should be barricaded	1. Ensure all operators should be imparted fire safety training on regular basis. 2.Additional water tanker should be available every time for emergency 3.Area should be barricaded during mock drill		

1 3 7	<p>1. Location: Khub Mine Entrance</p> <p>2. Person Present at the place of incident: Mr. Harish Kumar (Shift Mining Mate) Mr. Aditya Vardhan Singh (Shift in charge) Mr. Rajeev Ranjan (General Shift In-Charge).</p> <p>3. Imagine of incident: Dramatically created a situation where one of the tipper operators slipped and fell down while getting onto the Tipper, causing Arm and head injury.</p> <p>5. Instructor: Mines Manager & Medical Officer.</p> <p>6. Mock Drill (Response time as per Mock Drill Timing): Around 03:40 PM a long siren had rang at View point of Khub Limestone Mine indicating emergency situation. Mr. Harish Kumar (Shift Mining Mate) saw a Tipper Operator who fell down while getting onto the Tipper, Mr.</p>	<p>1. Co-ordination between First-Aiders & workmen has to be improved.</p> <p>2. Handling of situation by workmen and co-ordination should be improved.</p>	<p>Requesting the VTO to provide additional training to all workmen about the handling and co-ordination during any emergency situation.</p>		
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<p>Harish without any delay informed Mr. Aditya Vardhan Singh (Shift In-charge) about the incident, subsequently telephonic information at around 03:41 PM had been given by Mr. Aditya Vardhan Singh to Mr. Rajeev Ranjan (General Shift In-Charge) who further informed to Mr. Satyajit Palia (Mine Manager) & Dr. Sarungbam Sharatchandra Singh (Medical Officer/OHC Team Member) about the incident at around 03:42 PM. Mr. Aditya Vardhan Singh who was first to attend the location had cleared the workmen from the vicinity of the accident and guided the emergency team of the Shift to clear the panic situation around the accident prone area. Mr. Rajeev at around 03:42 PM called the Ambulance which was deployed at</p>				
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<p>First Aid station (Khub Mines Office), the ambulance happened to be installed with all the necessary equipments required for treatment of a injured persons. Ambulance reached the incidental area at around 03:46 PM with an Emergency Medical Technician (EMT) along with First Aid Team members & succesfully departed the injured person to the OHC (Occupational Health Centre); in mean time (03:47 PM) Mr. Palia also reached the location & informed Mr. S. S Singh about the forthcoming of the Ambulance. The ambulance reached OHC at 4:00 PM where Mr. S.S Singh attended the pietient and gave relevant treatment to the patient. The mock drill ended at 4:05 PM. Mr. S. S</p>				
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	<p>Singh went to the Mine & conducted a live demo, teaching the workmen about proper application of First-Aid and also conducting questionnaire among the workmen to enhance their involvement. After which Mine Manager had briefed the importance of life & First-Aid in Mines. Mr. Rajeev also discussed about the awareness of First-Aid and importance of First-Aid among minors as stated Rule 45 & 45A of MR, 1955. HOD Mines has also appreciated the effort of First-Aid team and focused to continue such noble job.</p>				
1 3 8	First Aid (Snake Bite)	Ambulance and First aid boxes with contents availability.	Mining Operation was running slowly	No of participation shall be increased in next demonstration for more awareness campaign.	
1 3 9	First Aid (Snake Bite)	Ambulance and First aid boxes with contents availability.	The vehicle movement was on.	Training required for workman and staffs from Medical Officer.	

140	Fire in loading machine	<p>Location , Time & Date: A mock drill for a fire incident involving a loading machine was meticulously conducted at South Khlliehjeri Limestone Mine under GVTC, m/s Meghalaya, at approx. 4.00 PM on the xxxxx.</p> <p>Scenario: A fire broke out in a loading machine during a routine operation , promptng an immediate emergency respone.</p> <p>Persons Present at the place of the incident: Jitendra Kr Singh (Excavaror Operator) , Noril Shylla (Dumper Driver) , S. Dasgupta (Mine Foreman) , M adhob phukon (Mining Mate)</p> <p>Imagine of incident: Machine operator: On noticing the fire, the machine operator promptly shut down the loading machine and attempted to exit the cabin.</p> <p>Drumper Driver (Rescuer) : Observing the situation, another dumper driver quickly approached the scene and effectively rescued the operator from the loading machine.</p> <p>Observer: The incident was observed by a team comprising - the hoD of the safety and vigilance Dept, the Mine manager, the Vocational Training Officer, and the Vocational training instructor and other miners & loaders and helpers.</p> <p>Mock Drill Activity: Shri Jitendra kr Singh, an Excavator Operator working the general shift at South Khliehjeri Limestone Mine, was engaged in loading limestone when he noticed a fire breaking out in the machine.</p> <p>Reacting swiftly , he immediately shut down the machine to prevent further damage and attempted to exit the cabin. Noril Shylla, a Dumper Driver, obsreved the situation unfolding. without hesitatin, he quickly approached the scene and effectively rescued the operator from the loading machine. He carefully extracted Shri Jitendra Kr Singh from the cab and placed him on</p>	<p>Emergency Response: The prompt actions of the machine operator, dumper driver, and other personnel were crucial in ensuring the safety and quick rescue of the injured operator.</p> <p>First Aid Readiness: Immediate first aid and consciousness checks are essential in stabilizing injured individuals on-site.</p> <p>Communication: Effective communication between the Manager, Agent, and medical personnel facilitated a timely medical response.</p>	<p>Regular Drills: Conduct regular mock drills to ensure all personnel are familiar with emergency procedures and response protocols.</p> <p>Equipment Checks: Continue regular checks of firefighting equipment to ensure all fire extinguishers are functional and accessible.</p> <p>Emergency Training: Provide ongoing training for all staff on emergency response, first aid, and firefighting techniques to maintain a high level of preparedness.</p>	
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	<p>clean ground, ensuring he was a safe distance away from the fire and in a secure location. Acting promptly, Noril Shulla informed the shift incharge, Shri S. Dasgupta (Mine Foreman) about the incident. Responding to the alert, Shri S. Dasgupta and Shri Madhob Phukon (Mining Mate) arrived at the spot by 4:10 PM. They promptly provided first aid to the operator, applying bandages to any visible injuries. Both the Mining Mate and the Foreman checked the operator for consciousness and responsiveness, ensuring that he was stable. Immediate Action Taken: By 4:12 PM, another dumper driver, recognizing the danger, had halted his vehicle at a safe distance from the fire. He assisted in the fire fighting efforts, equipped with a fire extinguisher. The driver effectively extinguished the fire in the loading machine, preventing further escalation and ensuring the safety of the surrounding area.</p> <p>Communication and Medical Response: 4.13 The Manager quickly informed the Agent about the incident. The Agent then notified the Doctor, ensuring readiness at the hospital. 4.15 PM The Manager also called for an ambulance to transport the injured operator to the hospital. The ambulance arrived 4.20 PM with the rescue team.</p> <p>Conclusion of Mock Drill : Overall Response.: The response to the fire incident was found to be satisfactory, demonstrating effective coordination and prompt action by all involved. Safety and Rescue: The injured operator was rescued using safe procedure, and first aid was administered efficiently on site. Firefighting Preparedness.: The availability and functionality of</p>		
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		fire extinguishers were confirmed to be adequate , contributing to the successful containment of the fire.			
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1 4 1	Fall of person from Excavator renders severe head injury	<p>Location, time and Date: A mock drill for an incident due to fall of person from Excavator was conducted at Khliehjeri Limestone Mine of M/s Meghalaya Cements Ltd under our GVTC, at approximate 4.30 pm on the 22nd May 2024. Scenario: Shri Akhilesh Singh, Excavator operator succumbed to severe head injury due to slip from machine while coming down following a Lunch Break, prompting an immediate emergency response.</p> <p>Persons present at the place of the incident. Shri Devid Tiru (Drill Operator), Shri Pradip Bhandari, (Dumper Driver), Shri A. Sraven Kumar (Asst. Mine Manager), Shri Ashok Kumar Pandey (Mine Foreman).</p> <p>Imagine of incident: Shri Akhilesh Singh, Excavator Operator was in duty on General shift and he was operating the machine at High Grade limestone Bench under supervision of Shri A. Sraven Kumar (Asst. Mine Manager), Shri Ashok Kumar Pandey (Mine Foreman) Safely. He was coming down from machine for lunch break after parking the excavator safely at demarcated place in mine while his foot slip from the operator's cabin and suddenly fall on ground and succumbed severe head injury.</p> <p>Observer: The incident was observed by a team comprising - the HoD of the Safety and Vigilance Dept, the Mine Manager, the Vocational Training Officer, and the Vocational Training instructor and other miner's & loader and helpers.</p> <p>Mock Drill Activity: Shri Akhilesh Singh, Excavator Operator was working in the general shift at Khliehjeri Limestone Mine, was engaged in loading limestone, have been fallen down to ground while coming down from machine following a Lunch Break. He has fallen side back</p>	<p>Emergency Response: The prompt actions of the dumper driver, and other personnel were crucial in ensuring the safety and quick rescue of the injured operator.</p> <p>First Aid Readiness: Immediate first aid and consciousness checks are essential in stabilizing injured individuals on-site.</p> <p>Communication: Effective communication between the Manager, Agent, and medical personnel facilitated a timely medical response.</p>	<p>Regular Drills: Conduct regular mock drills to ensure all personnel are familiar with emergency procedures and response protocols.</p> <p>Equipment Checks: Continue regular checks of HEMM to ensure that the machine has a safe landing down accessories and always free from slipping solvent, liquids and other oils.</p> <p>Emergency Training: Provide ongoing training for all staff on emergency response, first aid, and Machine ergonomics techniques to maintain in a high level safe condition.</p>	
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	<p>fall and his head strike directly to be ground very hard at 4.30 pm. Shri A Sravan Kumar (Asst. Mine Manager) who was in the same location immediately rushed to the place of incident and attend the persn at 4.02 pm. He saw that the operator , Shri Akhilesh Singh was unconscious at the place of accident . Without, delay. A Sravan called to the Medical officer , In-charge of the occupational Health Center, M/s Meghalaya Cemet Limited at 4.30 pm for medical aid to the injured person because the person was in unconciousness stage and having internal injury and no bleeding or swelling was observed which may not need first aid. Without wasting time , he called to Shri Ashok Kumar Pandey, Mine Foreman who was nearest to him and also called to Shri Odiweising Rymbai, Tipper Driver. All together, carried him to nearest safe place where shelte free from sun light was available and ensured that enough cool air was available. Shri Odiweising Rymbai allowed to have some air blow with a piece of har paper and waited for the medical aid.</p> <p>Communication and Medical Response: 4.04 PM The Manager after being intimated quickly informed the Agent about the incident. the Agent then notified the Medical officer , ensuring readiness at the hospital 4.06 PM. The Manager also called for an ambulance to transport the injured operator to the hospital. The ambulance arrived 4.16 PM with the rescue team.</p> <p>Conclusion of Mock Drill: Overall response: The response to the incident was found to be satisfactory, demonstrating effective coordination and prompt action by all involved.</p> <p>Safety and Rescue: The injured operator was rescued using safe</p>		
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		procedure and first aid was administered efficiently on site.			
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1 4 3	Fire near the Explosives Magazine.	<p>a. Objective: To Examine Emergency Response Preparedness for fire occurring near Explosive Magazine.</p> <p>b. Scope: This drill covers Emergency Response to fire and handling the situation if it results any injury.</p> <p>c. Persons involved: ERT member, Mine Foreman, Mine Manager, Medical Team, and HSE Team.</p> <p>At around 12.35 pm, while the Security Guard was inspecting, he saw a fire near Explosive Magazine in the forest. The guard shouted for help and immediately informed shift in-charge Mr. Amrit Pegu, who reached the area within 1 minute. Meanwhile, Mr. Amrit Pegu had informed the dispensary, HSE team, security and Mines Manager at around 12:40 pm about the incident. As soon as the emergency siren blown, all the employees present on the spot gathered at the nearby assembly point. A total of 06 persons were evacuated from the site. The medical team reached the spot with an ambulance and paramedical staffs. The fire brigade team arrived and took control of the emergency site and barricaded it. The team inspected the incident site and extinguished the fire and made the area safe. A long siren was blown to clear the emergency.</p> <p>Mr. Amrit Pegu shift in-charge communicated and addressed the person gathered at the assembly point in respect to responsibility of a general person and first Aider during an emergency.</p> <p>At 12:46 PM ERT team rushed to the site with all the necessary first aids needed for the emergency.</p> <p>At 12:45 PM HSE & security team reached to the scene with</p>	<p>a. It was observed that the diesel tank of the Fire Tender was half filled.</p> <p>b. The persons handling the fire tender shown lack of experience in its operation.</p>	<p>a. It should be ensured that the fire tender is filled with HSD and is ready at all times for use in emergency situations. This should also be recorded in the log book available.</p> <p>b. Regular training should be given to individuals to handle fire tender in case of emergency.</p>	
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		<p>fire tender.</p> <p>At 12:50 PM Ambulance reached at the site.</p> <p>At 12:46 PM Sh. Phani Krishna Kumar, Mines Manger reached at the site.</p> <p>At 12:59 PM team extinguished the fire and made the area safe.</p> <p>At 01:01 PM siren blown to clear the emergency.</p> <p>At 01:04 PM Mr. Amrit Pegu Shift in charge briefed the gathering about taking safety precautions and responsibility of general person in case of emergency.</p>			
1 4 4	Tipper driver get fainted during duty hour	<p>1. Removal of sandstone was going on , with the help of Excavator (Kobelco 220) and Bharat Benz tippers.</p> <p>2. Suddenly Tipper No. 4 (T0224TN543913) of M/s R S Infra, stopped on the bench , approx. 40-50 m away form loading point.</p> <p>3. Mr. Prahalad Borah (Blaster) observed the incident. He went near the tipper and found that driver Mr. Noor Mohamad is lying unconcious at driver's seat. Tipper engine was stopped. He applied wheel chocks to avoid vehicle movement.</p> <p>4. Immediately at 11.50 am, Mr. Prahalad Borah called on emergency contact no. for help.</p> <p>5. At 11.53 am Mr. Deo Prakas (Mines Manager), Mr. Kripa Shankar Choubey (asst.</p>	<p>1. Observed emergency response time 10 minutes , due to communication gap.</p> <p>2.Ensure Health Checkup of persons employed in mines as per Mines Rules 1955.</p>	<p>1. Need to review communcation system and make it more effective , so that, response time can be minimized . Need to spread awareness by emergency response training.</p>	

		<p>Manager) and Mt. V. Raghavendra (Asst. Manager) arrived there, visited the site and informed to superior officials regarding the incident, immediately.</p> <p>6. Emergency support team (Mr. Charles Dhar- compounder & Sucurity team) along with ambulance reached at site by 12.00 Hrs. Total 12 head counts were there excluding the patient.</p> <p>7. Emergency support team, immediaely (12.03 Hrs) shifted the patient to plant OHC for necessary check up and medical support.</p> <p>8. Situation brought under control by 12.10 Hrs.</p> <p>9. Debriefing given by Mr. Deo Prakash (Mines Manager) . All clear signal / message given at 12.15 Hrs.</p> <p>10. Total 25 minutes time took to conduct the overalll scenario.l</p>			
1 4 5	Dizziness to a worker	<p>1. A about 14.20 hrs. a worker name Mr. Prakash Nat (Khalasi) felt unconcious while working near face and fell down .</p> <p>2. Mines Foreman Mr. Arbind Kumar Singh saw him unconcious and immediately informed to OHC & Safety Officer by 14.22 hrs.</p> <p>3. Evacuatin started at 14.24 hrs after calling Mr. Anjani Kumar Mining Mate.</p> <p>4. Safety Officer rushed at site by 14.25 hrs and instructexd all workers to gather at assembly point,</p> <p>5. Mining Mate Mr. Anjani Kumar started giving CPR to the victim.</p> <p>6. ambulance (OHC) Sutnga arrived at incident scenario by 14.40 hrs with 2 First aiders</p> <p>7. At 14.42 hrs. Mines Foreman performed head count activity. Total 13 workers were working at mines at that time.</p> <p>8. First aiders performed / given first-aid/ check -up to victim and shifted him in Ambulance at 14.45 hrs.</p>	<p>1. Driver & First - aider ware found not wearing safety belt during emergency response.</p> <p>2. First- aider chosen wrong body portion to apply CPR</p> <p>3. Stretcher used without their straps</p>	<p>1. Training for safe driving awareness to be conducted and wearing of safety belt to be made mandatory while driving.</p> <p>2. First- aid refresher training & certification nned to conduct.</p> <p>3. Stretcher nned to keep in ambulance with other appliances.</p>	

		<p>9. Victime shifted to the OHC via Ambulance by 15.08 hrs.</p> <p>10. Briefing given by Safety Officer Mr. Dhananjay Kumar at 14.50 hrs.</p> <p>11. All clear signal given at 14.55 hrs.</p> <p>12. Total 35 minutes time took to conduct the overall activity.</p>			
1 4 6	Fire Mock Drill	<p>1. People gathered at the assembly point immediately after raising the siren and their response time was good.</p> <p>2. Crew personnels were aware about the use of the fire extinguisher, when asked to rig crew to demonstrate the fire extinguisher.</p> <p>Response time - 1 minutes, 30 seconds</p>	<p>1. All persons were gathered at assembly point and their response time was good .</p> <p>2. Rig crew personnels were aware about the use of fire Extiguishers.</p>	Nil	
1 4 7	Emergency Evacuation Drill	<p>Response time - 2 minutes.</p>	<p>1. All persons were gathered at assembly point and their response time was good .</p> <p>2. Observed few persons were missed to take their T-Card from board. Informed to the person and then they take.</p>	Nil	
1 4 8	Emergency Evacuation Drill	<p>Response time - 1 minute 25 seconds</p>	<p>All persons were gathered at assembly point and their response time was good</p>	Nil	
1 4 9	Emergency Evacuation Drill	<p>Emergency siren is not audible up to compressor area.</p>	<p>1. Employee & other staff reported to assembly point without any panic.</p>	Nil	

		Response time- 1 minute 30 seconds			
150	Medical Emergency Mock Drill – Level II	1. First aid & rescue team took prompt response after the incident. 2. Ambulance reached the location on time. 3. Response was good . Response time- 1 minute 30 seconds	1. First aid & rescue team promptly responded and performed their job satisfactory 2. Response of rig crew was good.	NIL	
151	Emergency Evacuation Drill	Response time- 40 seconds	All persons were gathered at assembly point and their response time was good	NIL	
152	Fire Mock Drill	Response time- 2 minute	1. Employee & other staff reported to assembly point without any panic	NIL	