

Geo Fence

Task	Responsibility	Implementation Status	Working Status	Time frame for implementation (if not implemented) / to set right the system (if implemented)
To identify the actual boundary of the mine with route for transportation of coal	Mine Manager	Implemented		
Confirmation of boundary of the mine with route for transportation of coal for creation of virtual geo-fence	Project Officer / Sub Area Manager/ Agent as designated.			
Approval of boundary and Coal transportation route	Area General Manager			
Creation of Geo-Fence boundary as per data provided by SO (Mining) / GM (Operation) of the Area.	Area SO (E&T) / SO (System) / Nodal officer of the Area			
Any change in Geo Fence boundary / route shall follow same procedure for implementation	--do--			
Movement of the vehicles carrying coal to be monitored and any violation to be recorded and acted upon.	--do--			
All mines of the Area, the System should be maintained • For monitoring and correctness.	SO (Mining) / AGM (Operation) and SO (E&T) / SO	Practice to be adopted		

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- For Drawing correct boundary as per (System) / Nodal requirement. Officer

GPS/GPRS based VTS (Vehicle tracking System)

Task	Responsibility	Implementation Status	Working Status	Time frame for implementation (if not implemented) / to sat right the system (if implemented)
To assess the requirement of GPS device (at least two month in advance) depending on the internal coal transportation requirement	Project Officer	To be implemented		
To forward the requirement of GPS device at HQ. (minimum two month in advance)	Area GM	Action to be taken		
To confirm the requirement to GPS device to service provider	Control Room In-charge at HQ. / GM (E&M) I/c	Process to be followed		
To deploy service provider for fitting GPS device as per requirement of Area	Control Room In-charge at HQ.	Implemented.		
Inclusion / exclusion of vehicles in the VTS for monitoring	Project Officer / AGM (Mining)	To be followed strictly		
Integration of GPS fitted device in VTS System for monitoring purpose	Area SO (E&T) / SO (System) / Area Nodal Officer	Implemented		

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9 Movement of the vehicles carrying coal to be monitored and any violation to be recorded and acted upon.	--do--	Implemented Partially & Action to be taken		
Forwarding intimation to CISF / Security for action on the alert generated by the system	Area SO (E&T) / SO (System) / Nodal Officer	To be implemented		
10 For acting upon violation of Geo fence boundary / route and further action thereon	Security officer / CISF	--do--		
Action taken report (on the alerts generated by the system) should be submitted to HQ control room on regular basis	Area SO (E&T) / SO (System) / Nodal Officer	--do--		
Recovery of cost of GPS device / accessories in case of deliberate damage by transporter from the transporter's bill with intimation to HQ. control room In-charge	Area Nodal Officer, AFM & Area GM	To be followed strictly		
HQ Control Room to verify the report & reason for the alerts generated by the system and in case of any violation without proper justification is detected, the same should be brought to the knowledge of Director-In Charge	Control Room In-charge at HQ. / GM (E&M) I/c	--do--		
Daily reporting about Geo Fence / route violation to Area GM with action taken thereon	Area SO (E&T) / SO (System) / Nodal officer	--do--		

Task	Responsibility	Implementation Status	Working Status	Time frame for implementation (if not implemented) / to set right the system (if implemented)
A Monthly report on the alerts generated and action taken thereof should be submitted to GM (Production)	Area GM / GM (Ws)	--do--		
Submission of a complied monthly report of all Area to Director(T) OP & CVO, BCCL	GM (Production)	--do--		
<i>After finalization of SOR for internal Coal transportation by CMC</i>				
NIT for transport contract should be suitably framed for fitment and Functioning of above devices	GM (CMC)/Tender Inviting Authority	Action is yet to be taken		
Selection of service provider to facilitate the service for GPS based Vehicle Tracking System	GM (E&M) I/c			
Vehicle with GPS fitted device should only be allowed for deployment in internal Coal transportation after implementation of order as per revised NIT	AGM (Mine) / Area GM	Action to be taken after finalization of service provider		
To ensure deployment of GPS fitted device in internal Coal transportation and its integration in the VTS system with intimation to HQ. Control room	Area SO (E&T) / SO (System) / Nodal Officer	Action to be taken after finalization of service provider		
Record to be maintained for availability and functioning of GPS device in all the internal Coal transportation vehicles	--do--			
To follow the existing system for identification of Mine boundary / Geo fence , approval of Geo fence, Inclusion / exclusion of vehicle in the VTS system, Creation of Geo Fence, integration with monitoring system,	Manager / Project Officer / AGM (M) / Area GM / Area			

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smooth functioning of system & to ensure action on the alert generated by the system	Nodal Officer (as indicated above)			
Monitoring of System at HQ. and submission of report periodically (fortnightly / monthly) to Director In-charge	Control Room In-charge at HQ. / GM (E&M) I/c			
A Monthly report on the alerts generated and action taken thereof should be submitted to GM (Production)	Area GM / GM (Ws)			

Submission of a compiled monthly report of all Area to Director(T) OP & CVO, BCCL

GM (Production)

CCTV at vulnerable points

Task	Responsibility	Implementation Status	Working status	Time frame for implementation (if not implemented) / to set right the system (if implemented)
To assess requirement of CCTV (with location details i.e. longitude / latitude) for surveillance at vulnerable as per guidelines of MoC	Project Officer	Implemented partially		

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Forwarding of proposal after assessment of requirement of all units / projects to HQ.	Area GM			
Processing of proposals received from Area GM	GM (E&M) I/c			
Issue of Supply Order after observing tender formalities	GM (MM) Purchase			
Inspection of material at Central Stores	GM (E&M) I/c			
Issue of material from stores, handover of sites, availability of stable power supply, Installation & Commissioning	Area Nodal Officer			
Day to day live monitoring of CCTV surveillance system at Area control room & forward the information of any untoward incidence to Security Agency / CISF for needful action	--do--	Action to be taken for strict compliance		
Action on the basis of input received from Area Control Room	Security Officer / CISF			
To coordinate with supplier during warranty / AMC period for maintenance purpose with intimation to HQ.	Area Nodal Officer	Implemented		
Prevention of illegal activities so observed with due assistance from CISF / local police as well as officials posted in the Project/Mines.	Area GM	To be complied strictly		

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To arrange procurement / replacement of material damaged due to force majeure & not covered under AMC at Area level	Area Nodal Officer	To be complied at Area level		
Shifting of location of CCTV during contract period				
Record of other CCTVs shall also be made and maintained for minimum seven days				
Daily report based on monitoring at control room and action taken thereon to be forwarded to Area GM				
Sharing of CCTV footage of Railway sidings with costumer through public network	GM (E&M) I/c & Area GM	System to be developed		
Submission of Monthly report highlighting the incidences observed through surveillance system during the month with action taken thereon	Area GM / GM (Ws)	System to be adopted		

Submission of a complied monthly report of all Area to Director(T) OP & CVO, BCCL

GM (Production)

Road Weighbridge with RFID based Boom Barrier

Task	Responsibility	Implementation Status	Working Status	Time frame for implementation (if not implemented) / to set right the system (if implemented)
J To assess requirement & initiate proposal for RFID based boom Barrier & CCTV camera at Road Weighbridge	Area Manager (E&M)			
J To recommend the proposal for centralised procurement	Area GM			
Procurement of RFID based boom Barrier & CCTV camera and its integration with existing weighment system	GM (E&M) I/c			
Issue of supply order after observing tender formalities	GM(MM) Purchase			
Implementation / Installation & Commissioning of RFID based boom Barrier and CCTV system at Weighbridge in coordination with HQ.				
Barricading (just before) Road Weighbridge platform (to prevent entry of multiple coal transportation vehicle from sideby) to prevent possible damage of electronically operated boom barriers	Area Manager (E&M)		Implemented at all working Road weighbridges / To be implemented in new upcoming Road weighbridges.	

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Nomination of Nodal officer (in consultation of Area GM) for ensuring effective use/ functioning of the devices used including installation, commissioning and repair maintenance as per requirements	--do--			
Arrangement for live monitoring of CCTV footage of weighbridge at Area Control Room	Area Nodal Officer	To be implemented		
To ensure issue of RFID Tag and pasting on vehicle wind screen	Area Nodal Officer & CISF	To be implemented		
Provisions for capturing transport vehicle data at Weigh Bridge from RFID tag (pasted on vehicle) should be made automatically with Tare Weight, Gross Weight etc. without manual interference	Area Nodal Officer	Implemented		
Provisions for display of Weighment outside the cabin/room and nobody should be allowed to enter in the cabin/room to avoid any outside influence.	Area Manager (E&M) & Area Sales Manager	To be implemented		
Positioning of CCTV Cameras shall be in such a way that weigh bridge staff can see positioning of the truck, number plate, drivers cabin & loaded area from his seat on the monitor placed in his cabin. And during the printing of the challan/e-way bill all should be displayed	Area Nodal Officer	Implemented		

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Weigh bridge staff shall be made responsible for instantaneous reporting about any failure observed during his duty period to Area sales Manager, who will in turn report to Nodal Officer	Area Sales Manager	To be implemented		
Cleanliness at Weighbridge Room (by using Vacuum cleaner) & Weighbridge platform	Area Sales Manager / Nodal Officer	--do--		
To coordinate with service provider for attending breakdown / repair during warranty / AMC period	Area Nodal Officer	Implemented		
Submission of Monthly report highlighting the incidences observed through system during the month with action taken thereon	Area GM / GM (Ws)			
Submission of a complied monthly report of all Area to Director(T) OP & CVO, BCCL	GM (Production)			
<u>Installation of RFID based boom barriers & CCTV at entry & exit points of Area / Project / Mine</u>				
To identify entry & exit points of Area / Project / Mine	HOD (IED) & Area General Manager			
To compile proposal of RFID based boom Barrier & CCTV system. (with location details) received from all area and forward the same for procurement & installation	HOD (IED)	Yet to be Implemented		

Task	Responsibility	Implementation Status	Working Status	Time frame for implementation (if not implemented) / to set right the system (if implemented)
To initiate a comprehensive proposal for procurement, installation & commissioning of RFID based boom barrier & CCTV system	GM (E&M) I/c			
Procurement of RFID based boom barriers & CCTV system	GM (MM) Purchase			
Inspection of material at Central Stores & Issue of release order to different Area	GM (E&M) I/c			
Lifting of material from Central Stores, Handover of sites for installation & Providing stable power supply to supplier	Area Manager (E&M)			
Installation & Commissioning of RFID based boom barrier & CCTV System within stipulated period	Area Nodal Officer			
Monitoring of System & action on any irregularities detected	--do--			
Operation & Maintenance of system within warranty / AMC period	--do--			
Submission of Monthly report highlighting the incidences observed through system during the month with action taken thereon	Area GM / GM.(Ws)			
Submission of a complied monthly report of all Area to Director(T) OP & CVO, BCCL	GM (Production)			

Note: The implementation status indicated above is based on the information available with us. In case of any ambiguity, the same may be corrected as per updated status.