MAHANADI COALFIELDS LIMITED
ମହାନଦୀ କୋଲଫିଲଡସ୍ ଲିମିଟେଡ୍
महनदी कोलफील्ड्स लिमिटेड
Office of the Project Officer, Jagannath Colliery
Jagannath Area, P.O: Balanda, Dist: Angul, Odisha
Pin:759103, Ph:06760-260212, 260458, 260321
email: jagannathcolliery@gmail.com
An ISO 9001:2008 & 14001:2004 Certified Project

Ref.No. PO/JNC/Envt./2022/ 2039

Date: 31-05-2022

To

The Dy. Director General of Forest (Central)
Eastern Regional Office,
MoEF & CC,
A/3,Chandrasekharpur,
Bhubaneswar 751016

Sub: Half yearly EC Compliance report of Jagannath Colliery (7.5 MTY), MCL for the period of October 2021 to March 2022.

Dear Sir,

Enclosed please find herewith the half yearly compliance report for Environmental conditions Vide letter no. J-11015/177/2015-IA.II(M) dated 09.09.2020 for expansion of Jagannath OCP from 6MTPA to 7.5 MTPA for the period of October 2021 to March 2022.

Thanking you.

Enclosed:
1.Point wise compliance report of EC conditions.
2.Annexure I to V

Yours faithfully,

31.5.22
Project Officer
Jagannath OCP
परियोजना अधिकारी
जगन्नाथ ओसीपी
Project Officer
Jagannath OCP

Copy:
1.The Additional Director(S), Envt. Monitoring Cell, MoEF, Pariyavaran Bhawan, CGO Complex, New Delhi 110003 **Regd post with AD**

MAHANADI COAL FIELDS LIMITED

HALF YEARLY COMPLIANCE STATUS FROM THE PERIOD 01/10/2021 TO 31/03/2022 OF THE CONDITIONS IMPOSED BY MOEF(GOI), NEW DELHI IN ENVIRONMENTAL CLEARANCE IN RESPECT OF JAGANNATH COLLIERY OF JAGANNATH AREA, MCL.

1.	Name of the Project	:	Jagannath Colliery, MCL
2.	Period of the report	:	01/10/2021 to 31/03/2022
3.	No. & Date of MOEF clearance letter	:	J-11015/177/2015-IA-II(M),dated 09.09.2020 of Jagannath OCP from 6 to 7.5MTY
4.	Actual date of commencement	:	26.01.1971
5.	Cost of Project	:	Rs.409.08crore

Compliance for Environmental Clearance Conditions of F.No.J-11015/177/2015-IA-II(M) dated 09.09.2020 of Jagannath OCP from 6 to 7.5MTPA with increase in mine lease area from 430.76 ha to 553.946 ha

4(i) An amount of Rs 3987.74 lakhs towards Remediation plan and Natural and Community Resource Augmentation Plan to be spent within a span of three years. The details are given below.

Table 1-Remediation plan with budgetary provision

Sl. No.	Component Remediation	Remediation proposed	Description	Locations	Rate (Rs.)	Total Qty	Total Cost(Rs)	Compliance status
1(a)	Water Environment	Water Treatment Plant for Supply of Portable Water	Installation of 5nos RO plant near Jagannath OCP and Supply of treated portable water to nearby villages	1.Dera 2.Ghantapada 3.Handidua 4.Rhodasar 5.Ekdal 6.Hiloi	8400000	05	4,20,00,000	Request made to the Executive Engineer, RWSS, Angul for issue of an NOC for installation of RO Plant in the said villages
1(b)			Installation of Iron removal & Chlorination plant of capacity 10000GPH for supply of Drinking water	Rakash village shifted people at R&R Site, Boulpur	35000000	01	3,50,00,000	Work completed, plant is commissioned
1(c)		Water Storage & Conveyance system	Installation of Overhead Tank with Pipe line	Narayan Sevashram, Kukudang village (6000 Ltrs)	1000000	LS	10,00,000	Work completed
Sub-Total							7,80,00,000	

Sl. No.	Component Remediation	Remediation proposed	Description	Locations	Rate (Rs.)	Total Qty	Total Cost(Rs)	Compliance Status
2(a)	Air and LULC and Ecology	Plantation / Greenbelt development & Maintenance	Urban Plantation at nearby villages, in vacant/open spaces near R&R site (for prevention of soil erosion) and areas outside Mine boundary with total Nos. of 42,500 local species covering an total area of 17.00 Ha	1.Dera 2.Derjang 3.Telisingha 4.Balanda 5.Balanda 6.Area outside Project boundary of Jagannath OCP	647.059	42500	2,75,00,000	Tahasildar of Talcher and Kaniha provided 8.85 Ha land for urban plantation. Request letter send to DFO, Angul to take up plantation in 2022-23 .
Total –Remediation Plan Cost (Rs)							**10,55,00,000**	

Table 2- Natural and Community Resource Augmentation Plan with budgetary provision

Sl. No.	Component Remediation	Remediation proposed	Description	Locations	Rate(Rs.)	Total Qty	Total Cost(Rs)	Compliance Status
1	Natural Resource Augmentation Plan	Conservation of ecology and bio diversity	Development thick green belt with width of 7.5 Mtrs for a total running length of Approx. 30 KM, covering total area of approx. 21.85 Ha land with total of 40000 nos of sapling of local species like sal, gambhari, kurum etc.	1.Along safety zone /around the Mine lease boundary	800	40000	3,20,00,000	Out of 21.85Ha development of green belt ,along safety zone ,plantation work in 19.85Ha will be done in following manner.

Sl. No.	Component Remediation	Remediation proposed	Description	Locations	Rate(Rs)	Total Qty	Total Cost(Rs)	Compliance Status
				2.Downstream direction near Bharatpur Coal Corridor Road 3.Along stream, ponds, etc. of peripheral villages			3,20,00,000	1.Plantation in 4Ha is completed in 2020-21 and 5Ha land in 2021-22 and 4.5Ha land will be planted in 2022-23 with local species like sal, gambhari, kurum etc. and rest plantation on backfilled area will be done after completion of Technical Reclamation 2. For Plantation on 2Ha land along stream, ponds etc. will carried out after finalization suitable site for which two round meetings already done with sarapancha Dera, Tentoloi and both are likely to provide site for plantation in ponds and stream etc..
Total-Natural Resource Augmentation plan							**3,20,00,000**	
2	Community Resource Augmentation Plan		Construction/ Renovation of following infrastructures • RCC Drains	Construction of RCC Drains in 1.Majhidian Pond to Chechari pond at Ghantapada -195 mtrs	LS	LS	11,12,74,000	1.Work not started due to land dispute

Sl. No.	Component Remediation	Remediation proposed	Description	Locations	Rate(Rs.)	Total Qty	Total Costs(Rs.)	Compliance Status
			• RCC Roads	2.R&R Sites,Boulapur-5650 Mtrs				2.The work completed
				3.Gurudwar to FCI gate chhak-3000Mtrs				3.The work completed
				Construction of roads in (a)R&R site, Boulapur-3890 Mtrs				(a)The work completed
				Renovation of roads in (i)Road from Regional Hospital, Dera to hanuman Mandir, Dera-519.5Mtrs				(i)The Work completed
				(ii)Gurudwar to FCI gate Chhak-1351mtrs				(ii)The Work completed

Sl. No.	Component Remediation	Remediation proposed	Description	Locations	Rate(Rs)	Total Qty	Total Cost(Rs)	Compliance Status
			• Community Toilets • Library-Cum Meeting Hall	Construction of community Toilets and Library cum Meeting Hall in respective locations. 1.Handidhua and Dera-3nos in each village 2.Sevashram, kukudang village				1. Request made to the Sub-Collector,Talcher for providing space at village Handidhua and Dera 2.The work completed at Sevashram, kukudang village
Sub-Total							11,12,74,000	
3	Community Resource Augmentation Plan		Constructions of a High school at Dera(New) with all facilities including , smart display board, separate library 10000 books etc and having 26 Class Rooms,06 Nos. Hall and 13 Toilets Nos. of rooms to provide education to local villager's kids	Dera	LS	LS	10,00,00,000	Work is in progress

Sl. No.	Component Remediation	Remediation proposed	Description	Locations	Rate(Rs)	Total Qty(Rs)	Total Cost(Rs)	Compliance Status
3(a)	Community Resource Augmentation Plan	Energy Conservation (Green Energy)	Providing 200 Nos. 5KW Capacity Solar Lighting system(includes panels, inverters, structure, connectors, wiring, junction boxes, etc.) to households in nearby villages.	• Dera, - 75 • NewJiinda - 75 • Ekdal - 50	200	250000	5,00,00,000	NOC given by the Sarpanch of Dera village for installation of solar light. Other two villages people are already paid for rehabilitation so place to be change.
Total-Community Resource Augmentation Plan(Rs.)							**26,12,74,000**	

Summary

Sl. No.	Activity Proposed	Total (Rs. in Lakhs)
1	Cost of remediation plan	1055.00
2	Natural Resources Augmentation for 3years	320.00
3	Community Resources Augmentation Plan for 3years	2612.74
Total		**3987.74**

Sl no.	Condition	Compliance Status
4(ii)	Project proponent shall be required to submit a bank guarantee of an amount of Rs. 3987.74 lakhs towards Remediation plan and Natural and Community Resource Augmentation plan with the SPCB prior to the grant of EC.	The Bank Guarantee for Rs. 3987.74 lakhs has been deposited with SPCB, Bhubaneswar on 19.06.2020.
(iii)	Remediation plan shall be completed in 3 years whereas bank guarantee shall be for 5 years. The bank guarantee shall be released after successful implementation of the EMP. followed by recommendations of the EAC and approval of the regulatory authority.	The activities in remediation plan are undertaken and will be completed in 3 years.
(iv)	Fund allocation for Corporate Environment Responsibility (CER) of Rs. 2.80 crore/- to be implemented as per the details submitted in the Ministry.	The activities under Corporate Environment Responsibility will be undertaken.
(v)	Impact due to groundwater abstraction during mining operations analytical and numerical modelling by micro water shed analysis shall be completed at the earliest and submitted to the Ministry and its concerned regional office	Avenues for knowing the impact of groundwater due to groundwater abstraction during mining operation is been looked in to. The report shall be submitted as the earliest.
(vi)	Embankment to be constructed along the Bangaru nallah	Work order has been issued. The work of construction of embankment is in progress.
(vii)	No discharge of mine water outside the Mining lease area.	Mine water is not discharged outside the Mining lease Area.
(viii)	Regular water quality to be monitored in upstream and downstream of Brahmani river with flow of the river to observe the impact of Bangaru nallah.	Work is assigned to CMPDIL for monitoring the water quality in upstream and downstream of Brahmani river with flow of the river to observe the impact of Bangaru nallah.
(ix)	Action plan as submitted to Ministry to control air pollution at Rakas village to be implemented in toto.	The Rakas village will be shifted completely.
(x)	All statutory precautions shall be taken as per the DGMS permission.	All statutory precautions are being undertaken as per DGMS permission.
(xi)	Wildlife conservation plan shall be prepared for Schedule I (Peafowl) species present in the study area and submitted to the Competent Authority for approval. Same shall be implemented after approval of the Competent Authority.	Wild life conservation plan will be prepared and implemented in consultation with the State Forest Department.
(xii)	The Environmental Clearance will not be	Deputy Director of Mines,Talcher

	operational till such time the Project Proponent complies with all the statutory requirements and judgment of Hon'ble Supreme Court dated the 2nd August 2017 in Writ Petition (Civil) No. 114 of2014 in the matter of Common Cause versus Union of India and Ors.	filled special leave petition bearing SLP(C) NO. 7283/2021 against the final judgement and order dated 5-2-2021 passed by Hon'ble High Court, Odisha in WP(C) NO.-38635/2020 where by the Hon'ble High Court dismissed the order dated 11-11-2019 passed by Revisional Authority ,whereby the demand notice issued to MCL, Jagannath OCP for depositing of amount Rs9433272639.00 as compensation in reference to judgment dated 2-8-2017 of Hon'ble Supreme Court in the matter of WPC NO.114/2014-Common cause vs Union of India & others. Hence the matter is now subjudice before the Hon'ble Supreme Court of India.
(xiii)	State Government concerned shall ensure that mining operation shall not commence till the entire compensation levied, if any, for illegal mining paid by the Project Proponent through their respective Department of Mining & Geology in strict compliance of judgment of Hon' ble Supreme Court dated the 2nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India and Ors.	Deputy Director of Mines,Talcher filled special leave petition bearing SLP(C) NO. 7283/2021 against the final judgement and order dated 5-2-2021 passed by Hon'ble High Court, Odisha in WP(C) NO.-38635/2020 where by the Hon'ble High Court dismissed the order dated 11-11-2019 passed by Revisional Authority ,whereby the demand notice issued to MCL, Jagannath OCP for depositing of amount Rs9433272639.00 as compensation in reference to judgment dated 2-8-2017 of Hon'ble Supreme Court in the matter of WPC NO.114/2014-Common cause vs Union of India & others. Hence the matter is now subjudice before the Hon'ble Supreme Court of India.
(xiv)	Automatic mist type sprinkling system shall be installed at crusher house. During transportation of coal from Mine to CHP shall be done by covered trucks with tarpaulin. Adequate number of water sprinklers shall be provided to control dust along coal transport roads	CHP is not in operation since TTPS/NTPC stopped receiving the coal by belt. 4 nos of water sprinklers are plied for dust suppression in CT roads.Also One mobile fog canon is in operation for dust suppression.
(xv)	Effective dust suppression system shall be adopted along the railway siding area and between villages.	There are no railway siding under the administrative control of Jagannath

	Fabric wind barrier shall be established along the Railway Siding and between villages.	OCP. However, the railway sidings I,II, III,IV,V & VI are installed with fixed type fog cannons 100m throw to curb dust pollution. Also, the proposal for wind barrier is under process.
(xvi)	Solid waste management as per SWM rules 2016 shall be comp lied within theircolony.	Solid waste generated in the colony are handled by disposing on contractual basis
(xvii)	Energy conservation measures adhering to part of ECBC norms shall be complied with.	57 nos of 110W ,20nos of 120W,24 nos of 250W,05 nos 400W LED lights are installed in Jagannath colony and Balanda Colony. 08 nos of 400W , 12 nos of 200W and 12 nos of 110W LED lights are installed in mines from October 2021 to March 2022 to conserve energy.
(xviii)	Quality of Mine discharge water, if any, will be used for drinking purpose shall be checked and should meet the prescribed drinking water standards	Mine discharge water is not used for drinking purposes. It is used for dust suppression.
(xix)	Periodical health check-up shall be conducted to monitor the impact of heavy metals present in core zone & buffer zone air quality and also to prepare an action plan to reduce heavy metals concentration and also report to be submitted to concerned regional office of MoEF & CC.	Heavy metals are monitored half yearly and are below detectable level. Also periodic health checkups are undertaken yearly.
(xx)	Study on "Impact of coal mining dust on the soil quality with respect to Physico-chemical, fertility status, exchangeable cations, CEC, and productivity of soil to be carried out and the study report with dully authentication and verification by the concerned authority be submitted to Ministry and concerned regional office by 31.3.2021	The Final report was submitted on 16.11.2021
(xxi)	Project proponent shall obtain closure report from the concerned regional office regarding time bound action plan submitted for partially complied earlier EC conditions	Due to the covid pandemic, the closure notice from the concerned regional office could not be obtained.
(xxii)	The mining lease holder shall, after ceasing mining operations, under take re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to condition which is fit for growth of fodder, flora and fauna etc.	The land after mining is technically reclaimed and brought back to the ground level and then it is biologically reclaimed.
(xxiii)	Persons of nearby villages shall be given training on livelihood and skill development to make them	In OB outsourced company i.e SRG Earth Mover Ltd, employment given to 176nos

	employable.	people of Rakash, Dera, Joragadia village.
(xxiv)	To ensure health and welfare of nearby villages, regular medical camps shall be organized at least once in six months	Due to covid pandemic regular medical camps were not setup. However, a 100 bedded hospital was set up in Talcher under the management to tackle the pandemic. Also, Sanitizers: 750 litres and masks: 1,33,000 nos. were distributed to villagers.
(xxv)	Thick green belt of 75m width at the final boundary in the down wind direction of the project site shall be developed to mitigate/check the dust pollution	Plantation in 9Ha land has been completed in 2020-21 and 2021-22.The rest of the area in the boundary of expansion will be taken up after technical reclamation.

5.1 (a) Statutory compliance

Sl . no.	conditions	Compliance status
(i)	The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.	For 58.096 Ha Forest land FC obtained vide letter no.8-70/2004-FC,dt-19.11.2004 and for 24.64Ha Forest land FC obtained vide letter no. 8-87/2012-FC dt-15-03-2013
(ii)	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable	The clearance will be obtained after the specific wild life conservation plan is made.
(iii)	The project proponent shall prepare a Site-Specific Conservation Plan / Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan/Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report (in case of the presence of Schedule- I species in the study area).	Wild life conservation plan will be prepared and implemented in consultation with the State Forest Department.
(iv)	The project proponent shall obtain Consent to Establish/Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/Committee	The project has obtained CTE on date 04/10/2018 for 5years vide letter no. 11986/IND-II-NOC-6181 & CTO valid up to 31.03.2023 vide letter No-

		5122/IND-I-CON-199 Date 30.03.2022
(v)	The project proponent shall obtain the necessary permission from the Central Ground Water Authority.	Complied NOC issued by CGWA, New Delhi vide NOC No-CGWA/NOC/MIN/ORIG/2020/7354 with validity up to 30/01/2022. The application for renewal of NOC from CGWA is in process.
(vi)	Solid/hazardous waste generated in the mines needs to addressed in accordance to the Solid Waste Management Rules, 2 016/Hazardous & Other Waste Management Rules, 2016.	Hazardous waste authorization was obtained vide no. IND-IV-HW- 225 / 4265 Dated 21.03.2022 and valid up to 31.03.2023

(b) Air quality monitoring and preservation

Sl. No.	Condition	Compliance status
(i)	Continuous ambient air quality monitoring stations as prescribed in the statue be established in the core zone as well as in the buffer zone for monitoring of pollutants, namely PM10, PM2.s, SO 2 and NOx. Location of the stations shall be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets in consultation with the State Pollution Control Board. Online ambient air quality monitoring stations may also be installed in addition to the regular monitoring stations as per the requirement and/or in consultation with the SPCB. Monitoring of heavy metals such as Hg. As, Ni, Cd, Cr, etc to be carried out at least once in sixmonths	Complied. In consultation with the state pollution control board, the ambient air quality monitoring stations area established in core zone and buffer zone after due consultation with the State Pollution Control Board. And also monitoring of heavy metals such as Hg,As,Ni,Cd, Cr are being carried out once in six months.
(ii)	The Ambient Air Quality monitoring in the core zone shall be carried out to ensure the Coal Industry Standards notified vide GSR 742 (E) dated 25th September , 2000 and as amended from time to time by the Central Pollution Control Board. Data on ambient air quality and heavy metals such as Hg, As, Ni, Cd, Cr and other monitoring data shall be regularly reported to the Ministry/Regional Office and to the CPCB/SPCB.	Complied. The ambient air quality monitoring is carried out fortnightly and the monthly monitoring reports are submitted to Ministry and regional offices.

(iii)	Transportation of coal, to the extent permitted by road, shall be carried out by covered trucks/conveyors. Effective control measures such as regular water/mist sprinkling/rain gun etc shall be carried out in critical areas prone to air pollution (wit h higher values of PM10/P M2.s) such as haul road, loading/unloading and transfer points. Fugitive dust emissions from all sources shall be cont rolled regularly. It shall be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central/State Pollution Control Board.	All trucks carrying coal which move out of the Mine premises are covered. Effective dust suppression is being done near the CHP roads and the points of loading and unloading operations. The following dust control measures are installed. In FC ,56nos of misters installed in 4 circuits and 4nos of 30mt and 20nos of 20mt sprinklers along belt line are installed. Water tankers-4 nos of 28KL used for dust suppression in haul roads. Also One mobile fog canon is in operation for dust suppression.
(iv)	The transportation of coal shall be carried out as per the provisions and route envisaged in the approved Mining Plan or environment monitoring plan. Transportation of the coal through the existing road passing through any village shall be avoided. In case, it is proposed to construct a 'bypass' road, it should be so constructed so that the impact of sound, dust and accidents could be appropriately mitigated.	Complied. Coal corridors roads are used for transportation of coal outside the mine. The coal corridor does not pass through any villages. Bypass roads for villagers are constructed. Total length of coal corridor road- 21 KM
(v)	Vehicular emissions shall be kept under control and regularly monitored. All the vehicles engaged in mining and allied activities shall operate only after obtaining 'PUC' certificate from the authorized pollution testing centres.	Complied. All vehicles having PUC certificate are allowed to operate and having valid permit.(Attached in Annexure-III) No of vehicles (Hyva) deployed in one shift – 90 nos.
(vi)	Coal stock pile /crusher/feeder and breaker material transfer points shall invariably be provided with dust suppression system. Belt-conveyors shall be fully covered to avoid air borne dust. Side cladding all along the conveyor gantry should be made to avoid air borne dust. Drills shall be wet operated or fitted with dust extractors.	At feeder and transfer points, misters and sprinklers are installed. Belts are fully covered and side cladding along the conveyor are made. All 9 nos drills are fitted with dust extractor and wet cutting arrangements.
(vii)	Coal handling plant shall be operated with effective control measures w.r.t. various environmental parameters. Environment friendly sustainable technology should be	CHP is not in operation due to stoppage of coal transportation to TTPS/NTPC. In FC ,56nos of misters installed in 4 circuits and 4nos of 30mt and 20nos of

	implemented for mitigating such parameters.	20mt sprinklers along belt line are installed.

(c) Water quality monitoring and preservation

Sl. No.	conditions	Compliance status
(i)	The effluent discharge (mine waste water, workshop effluent) shall be monitored in terms of the parameters notified under the Water Act, 1974 Coal Industry Standards vide GSR 742(E) dated 25th September , 2000 and as amended from time to time by the Central Pollution Control Board.	The effluent discharge is being monitored as per notification by Central Pollution Control Board. The monitoring report is being submitted to the SPCB.
(ii)	The monitoring data shall be uploaded on the company' s website and displayed at the project site at a suitable location. The circular No. J-200 12 / 1/2006-IA.11 (M) dated 27th May, 2009 issued by Ministry of Environment, Forest and Climate Change shall also be referred in this regard for itscompliance.	Complied. The monitoring data is uploaded in the company's website regularly and monitored data is being displayed at display board fitted at Project Office of Jagannath OCP.
(iii)	Regular monitoring of ground water level and quality shall be carried out in and around the mine lease area by establishing a network of existing wells and constructing new piezometers during the mining operations. The monitoring of ground water levels s hall be carried out four times a year i.e. pre-monsoon, monsoon, post-monsoon and winter. The ground water quality shall be monitored once a year, and the data thus collected shall be sent regularly to MOEFCC /RO.	The ground water level around the mine lease area are monitored through piezometers four time a year i.e pre monsoon, monsoon, post monsoon and winter and data collected is being sent to Ministry. Groundwater quality is monitored once in a year. (Attached in Annexure-III)
(iv)	Monitoring of water quality upstream and downstream of water bodies shall be carried out once in six months and record of monitoring data shall be maintained and submitted to the Ministry of Environment , Forest and Climate Change /Regional Office.	Monitoring of water quality is carried out once in six months and submitted to the Ministry of Environment, Forest and Climate Change /Regional Office.
(v)	Ground water, excluding mine water, shall not be used for mining operations. Rainwater harvesting shall be implemented for conservation and augmentation of ground water resources.	Only mine water is used for mines operations and dust suppression etc. Rain water harvesting to augment ground water resources are done at 23 points i.e at Project office, JET Hostel, South balanda civil office, JD/02, JC/14,

		Primary school, CMPF Office, JB/03, JB D/S, Kalakendra, Dispensary, A type(Gobara line), A type(STP Line)
(vi)	Catch and/or garland drains and siltation ponds in adequate numbers and appropriate size shall be constructed around the mine working, coal heap s & OB dumps to prevent run off of water and flow of sediments directly into the river and water bodies. Further, dump material shall be proper consolidated/ compacted and accumulation of water over dumps shall be avoided by providing adequate channels for flow of silt into the drains. The drains/ ponds so constructed shall be regularly de-silted particularly before onset of monsoon and maintained properly. Sump capacity should provide adequate retention period to allow proper settling of silt material. The water so collected in the sump shall be utilized for dust suppression and green belt development and other industrial use. Dimension of the retaining wall constructed, if any, at the toe of the OB dumps within the mine to check run-off and siltation should be based on the rainfall data. The plantation of native species to be made between toe of the dump and adjacent field/habitation/water bodies.	Catch drains are constructed around the mine working area, coal heap and OB dump .The run-off is being collected in existing 3 number of sumps of the mine to prevent flow of sediments directly in to the river and water bodies .External dump of mine is stabilised and biologically reclaimed. Toe wall is constructed at the foot of the dump. All drains present in the mines are de-silted regularly before the monsoon
(vii)	Adequate groundwater recharge measures shall be taken up for augmentation of ground water. The project authorities shall meet water requirement of nearby village(s) after due treatment conforming to the specific requirement (standards).	Groundwater recharge is done in the 23 nos. recharge pits developed at Jagannath colony, PO Office building , Jet Hostel and civil office building. Apart from that in the Mines, 3 nos large sumps acts as reservoir and recharge the ground water. The nearby villages are being provided with water from IWSS for drinking water purposes by water tanker.
(viii)	Industrial waste water generated from CHP, workshop and other waste water, shall be properly collected and treated so as to conform to the standards prescribed under the standards prescribed	Near workshop, ETP is in operation for treatment of industrial waste water. The capacity of ETP is

	under Water Act 1974 and Environment (Protection) Act, 1986 and the Rules made there under, and as amended from time to time. Adequate ETP /STP needs to be provided.	140cum/day. One STP of 1 MLD capacity is in operation for treatment of domestic effluent. All parameters are maintained as per prescribed standard.
(ix)	The water pumped out from the mine, after siltation, shall be utilized for industrial purpose *viz.* watering the mine area, roads, green belt development *etc.* The drains shall be regularly desilted particularly after monsoon and maintained properly.	The water pumped out from the mine, after siltation is being utilized for fire fighting, dust suppression. The drains are regularly desilted.
(x)	The surface drainage plan including surface water conservation plan for the area of influence affected by the said mining operations, considering the presence of river/rivulet/pond/lake etc, shall be prepared and implemented by the project proponent. The surface drainage plan and/or any diversion of natural water courses shall be as per the approved Mining Plan/EIA/EMP report and with due approval of the concerned State/Go! Authority. The construction of embankment to prevent any danger against inrush of surface water into the mine should be as per the approved Mining Plan and as per the permission of DGMS or any other authority as prescribed by the law.	A Mound/embankment (dimensions of 600 m (Length) X 2.00 m (width) X 3.00 m (Height)), from earthen material with stone pitching towards the nallah side is under progress. The surface drainage plan has been prepared as per the approved mining plan .
(xi)	The project proponent shall take all precautionary measures to ensure riverine/riparian ecosystem in and around the coal mine up to a distance of 5 km. A rivarine/riparian ecosystem conservation and management plan should be prepared and implemented in consultation with the irrigation / water resource department in the state government.	With permission and consultation from irrigation and water resource dept. precautionary measures are taken as and when required

(d) Noise and Vibration monitoring and prevention

Sl. No.	Conditions	Compliance status
(i)	Adequate measures shall be taken for control of noise levels as per Noise Pollution Rules, 2016 in the work environment. Workers engaged in blasting and drilling operations, operation of HEMM, etc shall be provided with personal protective equipments (PPE) like ear plugs/muffs in conformity with the prescribed norms and guidelines in this regard.	The noise level survey at the working place and at mine operations are being conducted regularly(copy enclosed in Annexure –V) . Personal Protective equipments are being distributed to workers engaged

	Adequate awareness programme for users to be conducted. Progress in usage of such accessories to be monitored.	in blasting ,drilling and HEMM operations. Awareness programmes and safety talks at the start of shift are conducted. Safety day celebrated and Safety meeting once in a month is conducted. Competitions between mines are conducted once in a year regarding safety.
(ii)	Controlled blasting techniques shall be practiced in order to mitigate ground vibrations, fly rocks, noise and air blast etc., as per the guidelines prescribed by the DGMS.	Control blasting techniques with help of RAYDET/NONEL is used for initiation down the hole . Also proper stemming is being done to control the fly rocks. In addition guidelines prescribed by DGMS are followed.
(iii)	The noise level survey shall be carried out as per the prescribed guidelines to assess noise exposure of the workmen at vulnerable points in the mine premises, and report in this regard shall be submitted to the Ministry/RO on six-monthly basis.	Complied. Noise level survey is carried out as per the prescribed guidelines set by the DGMS. Monthly survey is being carried out to assess the noise exposure of workmen at vulnerable points.(copy enclosed in Annexure -V)

(e) Mining Plan

Sl. No.	Conditions	Compliance Status
(i)	Mining shall be carried out under strict adherence to provisions of the Mines Act 1952 and subordinate legislations made there-under as applicable.	Mining is strictly carried out as per Mines Act 1952 & subordinate legislations
(ii)	Mining shall be carried out as per the approved mining plan (including Mine Closure Plan) abiding by mining laws related to coal mining and the relevant circulars issued by Directorate General Mines Safety (DGMS).	Mining is carried out as per the approved mining plan including mine closure plan and abiding by mining laws and relevant circulars issued by DGMS
(iii)	No mining shall be carried out in forest land without obtaining Forestry Clearance as per Forest (Conservation) Act, 1980.	Mining is carried out in forest land after obtaining forest

	Forest (Conservation) Act, 1980.	clearance. For 58.096 Ha Forest land FC obtained vide letter no.8-70/2004-FC,dt-19.11.2004 and for 24.64Ha Forest land FC obtained vide letter no. 8-87/2012-FC dt-15-03-2013
(iv)	Efforts should be made to reduce energy and fuel consumption by conservation, efficiency improvements and use of renewable energy.	57 nos of 110W ,20nos of 120W,24 nos of 250W,05 nos 400W LED lights are installed in Jagannath colony and Balanda Colony. 08 nos of 400W , 12 nos of 200W and 12 nos of 110W LED lights are installed in mines from October 2021 to March 2022 to conserve energy.

f) Land reclamation

Sl. No.	Conditions	Compliance status
(i)	Digital Survey of entire lease hold area/core zone using Satellite Remote Sensing survey shall be carried out at least once in three years for monitoring land use pattern and report in I :50,000 scale or as notified by Ministry of Environment, Forest and Climate Change(MOEFCC) from time to time shall be submitted to MOEFCC/Regional Office(RO).	Complied. Note:-The digital survey of entire lease hold area/core zone using satellite remote sensing survey has been done & the report has been submitted to MoEF&CC vide letter no. MCL/SBP/GM(E&F)/2018/9075 dated 15.06.2018
(ii)	The final mine void depth should preferably be as per the approved Mine Closure Plan, and in case it exceeds 40 m, adequate engineering interventions shall be provided for sustenance of aquatic life therein. The remaining area shall be backfilled and covered with thick and alive top soil. Post-mining land be rendered usable for agricultural/forestry purposes and shall be diverted. Further action will be treated as specified in the guidelines for Preparation of Mine Closure Plan issued by the Ministry of Coal dated 27[111] August, 2009 and subsequent amendments.	Noted and complied. The final mine void will be kept as per the approved mine closure plan. Mine closure plan for 7.5MTPA has been approved by the MOC,GOI on 16.05.2017
(iii)	The entire excavated area, backfilling, external OB dumping (including top soil) and afforestation plan shall be in conformity with the "during mining"/" post mining" land-use pattern, which is an integral part of the approved Mining Plan and the	Complied. Jagannath OCP Expansion 6.00 to 7.5 MTPA) is a on going project .The details of excavated area,backfilling& afforestation plan is in conformity to

	EIA/EMP submitted to this Ministry. Progressive compliance status vis-a-vis the post mining land use pattern shall be submitted to the MoEF &CC/RO.	approved Mining plan & EIA/EMP submitted to Ministry & progressive compliance status vis-a-vis the post mining land use pattern are submitted six monthly basis. Status up to March 2022: Area excavated-379.18Ha De coaled Area-363.36Ha Technically Reclaimed-212.13Ha Biologically Reclaimed(Internal Dump)-138.15Ha Area under External Dump-36.47Ha Biological Reclaimed (External Dump)-36.47Ha
iv	Fly ash shall be used for external dump of overburden, backfilling or stowing of mine as per provisions contained in clause (i) and (ii) of subparagraph (8) of fly ash notification issued vide SO 2804 (E) dated 3rd November, 2009 as amended from time to time. Efforts shall be made to utilize gypsum generated from Flue Gas Desulfurization (FGD), if any, along with fly ash for external dump of overburden, backfilling of mines. Compliance report shall be submitted to Regional Office of MoEF &CC, CPCB and SPCB.	No fly ash is dumped over external OB dump, backfilling or stowing of mine as per provisions contained in clause (i) and (ii) of sub paragraph (8) of fly ash notification issued vide SO 2804 (E) dated 3rd November, 2009
(v)	Further, it may be ensured that as per the time schedule specified in mine closure plan it should remain live till the point of utilization. The topsoil shall temporarily be stored at earmarked site(s) only and shall not be kept unutilized. The top soil shall be used for land reclamation and plantation purposes. Active OB dumps shall be stabilized with native grass species to prevent erosion and surface run off. The other overburden dumps shall be vegetated with native flora species. The excavated area shall be backfilled and afforested in line with the approved Mine Closure Plan. Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the	Complied Area Planted(Ext.Dump)-36.47Ha No of Plants planted in External Dump-75200 nos A total of 291436 nos of plants have been planted under Jagannath OCP in an area of 119.83 Ha since 1992-93

	Ministry of Environment, Forestand Climate Change/ Regional Office	
(vi)	The project proponent shall make necessary alternative arrangements, if grazing land is involved in core zone, in consultation with the State government to provide alternate areas for livestock grazing, if any. In this context, the project proponent shall implement the directions of Hon'ble Supreme Court with regard to acquiring grazing land	Noted

(g) Green Belt

Sl. No.	Conditions	Compliance Status
(i)	The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered/endemic flora/ fauna, if any, spotted /reported in the study area. The Action plan in this regard, if any, shall be prepared and implemented in consultation With the State Forest and Wild life Department.	Wild life conservation plan will be prepared and implemented in consultation with the State Forest Department.
(ii)	Greenbelt consisting of 3-tier plantation of width not less than 7.5 m shall be developed all along the mine lease area as soon as possible. The green belt comprising a mix of native species (endemic species should be given priority) shall be developed all along the major approach/ coal transportation roads.	4Ha area planted in the year 2020 and 5Ha area planted in year 2021 with native species all along the major approach roads. In 2022-23 , 4.5 Ha land is proposed for plantation .

(h) Public hearing and Human health issues

Sl. No.	Conditions	Compliance status
(i)	Adequate illumination shall be ensured in all mine locations (as per DGMS standards) and monitored weekly. The report on the same shall be submitted to this ministry & it's RO on six-monthly basis.	Complied. Note:-Illumination is measured in luxmeter and maintained as per the DGMS standards by Safety Department. The weekly monitored illumination

		report will be submitted six monthly. (copy enclosed as Annexure -I)
(ii)	The project proponent shall undertake occupational health survey for initial and periodical medical examination of the personnel engaged in the project and maintain records accordingly as per the provisions of the Mines Rules, 1955 and DGMS circulars. Besides regular periodic health check-up , 20% of the personnel identified from workforce engaged in active mining operations shall be subjected to health check-up for occupational diseases and hearing impairment, if any , as amended time to time.	The occupational health survey of the workers engaged in the project are being conducted Departmentally by Regional Hospital and Records are maintained at Hospital and safety department of the project. From October 2021 to March 2022, PME and IME conducted 239nos and 20 nos respectively for Departmental workers .PME and IME conducted 95 nos and 82 nos respectively for Contractual workers .
(iii)	Personnel (including outsourced employees) working in core zone shall wear protective respiratory devices and shall also be provided with adequate training and information on safety and healthaspects.	Complied PPE distributed during October 2021 to March 2022 Canvas Shoes-417,Gum Boot-168,safety helmet-127 Ear muff/plug-108,Glooves (electrial)-28,Reflective jackets-202,Goggles-39 Vocational Training of persons-Departmental:88(Refresher), 18(Basic) Contractual: 21(Refresher), 26(Basic)
(iv)	Implementation of the action plan on the issues raised during the public hearing shall be ensured. The project proponent shall undertake all the tasks/measures as per the action plan submitted with budgetary provisions during the public hearing. Land oustees shall be compensated as per the norms laid down in the R&R policy of the company/State Government/Central Government, as applicable.	The issues raised in the public hearing are being implemented.
(v)	The project proponent shall follow the mitigation measures provided in this Ministry's OM No. Z-11013/5712014-IA.II (M) dated 29th October, 2014,	Complied. Regular monitoring of water table is being done to

	titled ' Impact of mining activities on habitations-issues related to the mining projects wherein habitations and villages are the part of mine lease areas or habitations and villages are surrounded by the mine lease area.	ascertain the impact of mining over ground table. Main haulage roads of the mine and other roads are regularly wetted by water sprinklers.

(i)Corporate Environment Responsibility

Sl. No.	Conditions	Compliance Status
(i)	The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No.22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.	The process regarding the activities of Corporate Environment Responsibility are taken up.
(ii)	The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringement s/deviation/ violation of the environmental/forest/wildlife norms/conditions. The company shall have defined system of reporting infringements/deviation/violation of the environmental/forest/wildlife norms/conditions and/or shareholders/stake holders	Complied. The company has well laid down environmental policy and standard operating procedures to check and bring focus of violations, etc. and reporting system.
(iii)	A separate Environmental Cell both at the project and company head quarter level , with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.	Already framed and implemented from HQ level to Unit Level. The organizational chart is enclosed as below: Project Environment Officer → Area Environment Officer →GM (Envt). Between each step, line managements have been appraised. At Unit level: Project Envt. Officer→ Project Officer. At Area level: Area Envt. Officer→General

		Manager. At HQ level: GM (Envt) →D (T/P&P).
(iv)	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry /Regional Office along with the Six Monthly Compliance Report.	Action plan already prepared in EIA-EMP and year wise fund for Environmental Protection measures is also incorporated.
(v)	Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.	Environmental audit is conducted annually by a team of persons of different disciplines from MCL HQ and in every three years third party environmental audit is being carried out.

(j) Miscellaneous

Sl. No.	Condition	Compliance Status
(i)	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.	Complied. Advertisements have been made in two local newspapers, of which one is in vernacular language.
(ii)	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in tum has to display the same for 30 days from the date of receipt.	Complied The Environment Clearance copies has been submitted to the Heads of the local bodies, Panchayats in addition to the Govt. offices for display.
(iii)	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly	Complied It is been uploaded in website and updated half yearly.

	basis.	
(iv)	The project proponent shall monitor the criteria pollutants level namely; PM10, S O2, NOx (ambient levels) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.	Complied The monitoring data is displayed at Project Office, Balanda showing Ambient levels.
(v)	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.	Complied. The status of the environment conditions is being submitted six monthly to MoEF and Regional Office.
(vi)	The project proponent shall follow the mitigation measures provided in this Ministry's OM No.Z-1101 3/57120 14-IA.II (M) dated 29th October, 2014, titled 'Impact of mining activities on habitations-issues related to the mining projects wherein habitations and villages are the part of mine lease areas or habitations and villages are surrounded by the mine leasearea'.	Noted and Complied. Regular monitoring of water table is being done to ascertain the impact of mining over ground table. Main haulage road of the mine and other roads are regularly wetted by water sprinklers.
(vii)	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.	Complied. The environment statement for each financial year being submitted in Form-V to SPCB. Last Environment Statement submitted on date 23.09.2021
(viii)	The project authorities shall inform to the Regional Office of the MOEF&CC regarding commencement of mining operations.	Complied It is an ongoing project and EC is obtained for expansion from 6MTPA to 7.5MTPA.
(ix)	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government	Noted. CTO obtained up to 31/03/2023 vide consent order no. 5122/IND-I-CON-199 date 30.03.2022
(x)	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.	Noted and Complied. The issues raised in the public hearing are being implemented
(xi)	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate	Noted No further expansion or modification will be made without approval of the Ministry

	Change.	of Environment ,Forest &Climate change.
(xii)	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Noted
(xiii)	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted
(xiv)	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Noted
(xv)	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.	Noted
(xvi)	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981 , the Environment (Protection) Act, 1986 , Hazardous and Other Wastes (Management and Trans-boundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and rules made their under and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.	Noted and Complied

Sl. No.	**Conditions**	**Compliance status**
5	The proponent shall abide by all the commitments and recommendations made in the EIA/EMP report as well as during presentation to the EAC. All the commitments made on the issues raised during public hearing shall also be implemented by the EC in letter and spirit.	Noted
6	The proponent shall obtain all necessary clearances /approvals that may be required before the start of the project. The Ministry or any other competent authority may	Noted and Complied

	stipulate any fulther condition for environmental protection. The Ministry or any other competent authority may stipulate any further condition for environmental protection.	
7	Any appeal against this Environment Clearance (EC) shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act. 2010.	Noted
8	The coal company/ project proponent shall be liable to pay the compensation against illegal mining . if any, and as raised by the respective State Governments at any point of time. in terms of the orders dated 2nd August, 2017 of Hon'ble Supreme Court in WP (Civil) No.114/2014 in the matter of ' Common Cause Vs Union of India & others.	Noted
9	The concerned State Government shall ensure no mining operations to commence till the entire compensation for illegal mining, if any , is paid by the project proponent through their respective Department of Mining & Geology, in strict compliance of the judgment of Hon'ble Supreme Court.	Noted
10	This Environment Clearance (EC) shall not be operational till such time the project proponent complies with the above said judgment of Hon' ble Supreme Court, as applicable and other statutory requirements.	Complied and noted

This is for your kind information.

Yours faithfully,

31.5.22

Project Officer
Jagannath OCP

परियोजना अधिकारी
जगन्नाथ ओसीपी
Project Officer
Jagannath OCP

Annexure- I

REF NO:- MCL/JNC/Safety/Illumination/286 DATE:- 01-10-2021

ILLUMINATION SURVEY ON DTD: 29-09-21 & 30-09-21 OF JAGANNATH COLLIERY, JAGANNATH AREA/MCL.

INSPECTION TEAM

(1)SAFETY OFFICER:----------Sri P.Pandey, Mgr.(Min)
(2) ELECTRICAL SAFETY OFFICER:-----Sri Ajaya Ku. Sahoo, Mgr.(E&M)
(3)ELECTRICAL SUPERVISOR:-------Sri P. C. Dalei, A. F.M. (E&M)
(4)SR. OVERMAN----------Sri Rajesh Kumar Yadav, Sr. O/M, Safety Deptt.

SL NO	LOCATION	STANDARD AS PER DGMS CIRCULAR		ACTUAL				ACTION TAKEN	STATUS: PROCUREMENT ACTION (If Any)	REMARKS
				CURRENT READING		PREVIOUS READING				
		V	H	V	H	V	H			
1	EXCV-1200 NEW	25	15	25.3	15.1	25.2	14.9			
	EXCV-534	25	15	25.2	15.2	25.1	15.3			
	EXCV-1200-D-ANANTA	25	15	24.9	15.2	24.8	15.1			
	EXCV-1000-D-FRONT	25	15	25.3	15.1	24.9	15.2			
	EXCV-1000-D-BACK	25	15	NA	NA	NA	NA			
	OPERATORS CABIN-EXCV-1200 NEW		50		50.2		50.4			
	OPERATORS CABIN-EXCV-534		50		50.1		50.2			
	OPERATORS CABIN-EXCV-1200-D-ANANTA		50		50.2		50.4			
	OPERATORS CABIN-EXCV-1000-D-FRONT		50		50.3		50.3			
	OPERATORS CABIN-EXCV-1000-D-BACK		50		NA		NA			
2	AREA OF DRILLING RIG WORKS	25		23.9		24.1				
3	AT DRILL HOLES		15		NA		NA			
4	OB DUMP	15	15	15.4	15.2	15.3	15.4			
5	COAL FACE	25	15	18.7	13.4	19.1	13.2			
6	HAUL ROADS		10		8.3		8.1			
7	PERMANENT PATHS FOR USE OF PERSONS		10		8.7		8.6			
8	PUMPING STATION-CENTRAL SUMP		40		27.8		25.1			
	PUMPING STATION- WEST SUMP		40		NA		NA			
	PUMPING STATION- COAL FACE SUMP		40		30.1		29.2			
9	REST SHELTER (MINES TIME OFFICE)		30		32.2		31.4			
10	FIRST-AID-STATION (MINES)		30		30.9		31.2			
11	HAUL ROAD		10		8.9		9.5			
Out-sour cing	OB DUMP YARD	15	15	12.4	11.7	12.6	11.8			
	WORKING FACE-1	25	15	17.3	10.4	17.5	10.9			
	WORKING FACE-2	25	15	18.1	9.2	18.9	9.7			
	WORKING FACE-3	25	15	18.9	9.8	19.2	10.1			
	WORKING FACE-4	25	15	17.8	11.2	18.4	11.6			
12	SUB-STATION (MAIN)	50	100	50.4	101.2	50.1	98.9			
	SUB-STATION (MINES)	50	100	42.1	92.1	39.2	91.1			
13-CHP	CHP-FIRST-AID STATION		50		NA		NA			
	CHP-SUB-STATION	50	100	50.1	99.8	50.4	100.2			
	CHP-WORK SHOP	50	100	NA	NA	NA	NA			
	CHP-REST SHELTOR		30		12.1		12.3			
	CHP-COAL STOCK YARD	15	15	15.4	15.1	15.3	15.2			
	CHP-HAND PICKING POINTS		50		21.9		22.8			
	CHP-MANUAL WORKING ZONE	25	15	13.4	13.2	13.2	13.1			
	CHP-DRIVE HEAD OF CONVEYORS		40		26.4		26.8			
	CHP-PLACE OF CRUSHING		40		26.8		27.1			
	CHP-ALONG CONVEYOR-B2		20		12.7		12.9			
	CHP-ALONG CONVEYOR-B4		20		12.9		13.2			
	CHP-ALONG CONVEYOR-D2		20		13.2		13.1			
	CHP-ALONG CONVEYOR-D4		20		13.1		12.9			
	CHP-TAIL END OF CONVEYOR-B5		40		23.9		23.8			
	CHP-TAIL END OF CONVEYOR-D5		40		24.5		24.7			
	CHP-TRANSFER POINT-B3		40		24.8		24.9			
	CHP-TRANSFER POINT-D3		50		25.2		25.6			
14-FC	FC-FIRST-AID STATION	50	100	51.6	53.8	51.9	54.2			
	FC-SUB-STATION	50	100	NA	101.8	NA	102.1			
	FC-WORK SHOP		30		NA		NA			
	FC-REST SHELTOR	15	15	15.3	31.9	15.4	32.3			
	FC-COAL STOCK YARD		50		15.4		15.2			
	FC-HAND PICKING POINTS		50		25.2		25.1			
	FC-OPERATORS CABIN-1		50		25.4		24.9			
	FC-OPERATORS CABIN-2		50		24.9		24.4			
	FC-OPERATORS CABIN-3		50		31.5		31.8			
	FC-OPERATORS CABIN-4		50		32.8		33.9			
	FC-DRIVE HEAD OF CONVEYOR-1		40		31.4		31.2			

	FC-DRIVE HEAD OF CONVEYOR-2		40		30.6		30.5			
	FC-DRIVE HEAD OF CONVEYOR-3		40		30.1		30.2			
	FC-DRIVE HEAD OF CONVEYOR-4		40		29.4		29.7			
	FC-PLACE OF CRUSHING-1		40		29.7		29.9			
	FC-PLACE OF CRUSHING-2		40		29.8		30.2			
	FC-PLACE OF CRUSHING-3		40		30.2		30.1			
	FC-PLACE OF CRUSHING-4		40		30.1		30.4			
	FC-ALONG CONVEYOR-1		20		14.1		14.8			
	FC-ALONG CONVEYOR-2		20		15.3		15.1			
	FC-ALONG CONVEYOR-3		20		15.4		15.2			
	FC-ALONG CONVEYOR-4		20		15.1		15.4			
	FC-TAIL END OF CONVEYOR-1		40		24.8		24.5			
	FC-TAIL END OF CONVEYOR-2		40		25.1		24.8			
	FC-TAIL END OF CONVEYOR-3		40		24.9		25.1			
	FC-TAIL END OF CONVEYOR-4		40		25.3		25.2			
15	WORK SHOP-50 Te DUMPER	50	100	52.3	95.6	51.2	91.1			
	WORK SHOP-DOZER	50	100	50.8	91.2	50.4	90.6			
	WORK SHOP-AUX	50	100	48.3	90.4	47.7	90.8			
	PARKING YARD - DUMPER		50		51.2		50.7			
	PARKING YARD - DRILL		50		51.4		50.9			

30/9/21

Electrical Supervisor
Jagannath Colliery.

30/9/21.

SR. OVERMAN
Jagannath Colliery

30-09-21

Electrical Safety Officer
Jagannath Colliery

30/9/21

Safety Officer
Jagannath Colliery

30/9/21

Project Manager.
Jagannath Colliery.

Distribution:-

(1) The GM(S&R), MCL.
(2) The Project Officer, JNC.
(3) The Safety Officer, JNC.
(4) The Project Engineer(E&M), JNC- with the request to make necessary improvement in illumination.
(5) File

REF NO:- MCL/JNC/Safety/Illumination/ 306 DATE:-13-10-21

ILLUMINATION SURVEY ON DTD: 12-10-21 & 13-10-21 OF JAGANNATH COLLIERY, JAGANNATH AREA/MCL.

INSPECTION TEAM

(1)SAFETY OFFICER:----------Sri P.Pandey, Mgr.(Min)
(2) ELECTRICAL SAFETY OFFICER:-----Sri Ajaya Ku. Sahoo, Mgr.(E&M)
(3)ELECTRICAL SUPERVISOR:-------Sri Srinibash Khuntia, F.M. (E&M)
(4)SR. OVERMAN----------Sri Rajesh Kumar Yadav, Sr. O/M, Safety Deptt.

SL NO	LOCATION	STANDARD AS PER DGMS CIRCULAR		ACTUAL				ACTION TAKEN	STATUS: PROCUREMENT ACTION (If Any)	REMARKS
				CURRENT READING		PREVIOUS READING				
		V	H	V	H	V	H			
1	EXCV-1200 NEW	25	15	25.1	15.2	25.3	15.1			
	EXCV-534	25	15	25.3	15.1	25.2	15.2			
	EXCV-1200-D-ANANTA	25	15	25.1	15.3	24.9	15.2			
	EXCV-1000-D-FRONT	25	15	24.9	15.2	25.3	15.1			
	EXCV-1000-D-BACK	25	15	NA	NA	NA	NA			
	OPERATORS CABIN-EXCV-1200 NEW		50		50.3		50.2			
	OPERATORS CABIN-EXCV-534		50		50.1		50.1			
	OPERATORS CABIN-EXCV-1200-D-ANANTA		50		50.2		50.2			
	OPERATORS CABIN-EXCV-1000-D-FRONT		50		50.2		50.3			
	OPERATORS CABIN-EXCV-1000-D-BACK		50		NA		NA			
2	AREA OF DRILLING RIG WORKS	25		24.1		23.9				
3	AT DRILL HOLES		15		NA		NA			
4	OB DUMP	15	15	15.3	15.2	15.4	15.2			
5	COAL FACE	25	15	18.3	13.5	18.7	13.4			
6	HAUL ROADS		10		8.4		8.3			
7	PERMANENT PATHS FOR USE OF PERSONS		10		8.6		8.7			
8	PUMPING STATION-CENTRAL SUMP		40		28.1		27.8			
	PUMPING STATION- WEST SUMP		40		NA		NA			
	PUMPING STATION- COAL FACE SUMP		40		30.3		30.1			
9	REST SHELTER (MINES TIME OFFICE)		30		33.1		32.2			
10	FIRST-AID-STATION (MINES)		30		31.2		30.9			
11	HAUL ROAD		10		8.5		8.9			
Out-sour cing	OB DUMP YARD	15	15	12.5	11.4	12.4	11.7			
	WORKING FACE-1	25	15	17.1	10.2	17.3	10.4			
	WORKING FACE-2	25	15	17.9	8.9	18.1	9.2			
	WORKING FACE-3	25	15	18.4	9.3	18.9	9.8			
	WORKING FACE-4	25	15	17.9	11.4	17.8	11.2			
12	SUB-STATION (MAIN)	50	100	50.2	100.8	50.4	101.2			
	SUB-STATION (MINES)	50	100	41.8	92.6	42.1	92.1			
13-CHP	CHP-FIRST-AID STATION		50		NA		NA			
	CHP-SUB-STATION	50	100	50.6	100.4	50.1	99.8			
	CHP-WORK SHOP	50	100	NA	NA	NA	NA			
	CHP-REST SHELTOR		30		11.8		12.1			
	CHP-COAL STOCK YARD	15	15	15.3	15.2	15.4	15.1			
	CHP-HAND PICKING POINTS		50		21.7		21.9			
	CHP-MANUAL WORKING ZONE	25	15	13.2	13.1	13.4	13.2			
	CHP-DRIVE HEAD OF CONVEYORS		40		25.8		26.4			
	CHP-PLACE OF CRUSHING		40		26.2		26.8			
	CHP-ALONG CONVEYOR-B2		20		13.1		12.7			
	CHP-ALONG CONVEYOR-B4		20		12.8		12.9			
	CHP-ALONG CONVEYOR-D2		20		13.1		13.2			
	CHP-ALONG CONVEYOR-D4		20		13.2		13.1			
	CHP-TAIL END OF CONVEYOR-B5		40		23.7		23.9			
	CHP-TAIL END OF CONVEYOR-D5		40		24.6		24.5			
	CHP-TRANSFER POINT-B3		40		24.9		24.8			
	CHP-TRANSFER POINT-D3		40		24.8		25.2			
14-FC	FC-FIRST-AID STATION		50		54.1		53.8			
	FC-SUB-STATION	50	100	51.2	100.9	51.6	101.8			
	FC-WORK SHOP	50	100	NA	NA	NA	NA			
	FC-REST SHELTOR		30		31.4		31.9			
	FC-COAL STOCK YARD	15	15	15.4	15.2	15.3	15.4			
	FC-HAND PICKING POINTS		50		25.7		25.2			
	FC-OPERATORS CABIN-1		50		26.7		25.4			
	FC-OPERATORS CABIN-2		50		26.4		24.9			
	FC-OPERATORS CABIN-3		50		32.6		31.5			
	FC-OPERATORS CABIN-4		50		33.1		32.8			
	FC-DRIVE HEAD OF CONVEYOR-1		40		31.2		31.4			

	FC-DRIVE HEAD OF CONVEYOR-2		40		30.4		30.6			
	FC-DRIVE HEAD OF CONVEYOR-3		40		30.3		30.1			
	FC-DRIVE HEAD OF CONVEYOR-4		40		29.9		29.4			
	FC-PLACE OF CRUSHING-1		40		29.2		29.7			
	FC-PLACE OF CRUSHING-2		40		29.6		29.8			
	FC-PLACE OF CRUSHING-3		40		29.9		30.2			
	FC-PLACE OF CRUSHING-4		40		30.2		30.1			
	FC-ALONG CONVEYOR-1		20		14.4		14.1			
	FC-ALONG CONVEYOR-2		20		15.1		15.3			
	FC-ALONG CONVEYOR-3		20		15.3		15.4			
	FC-ALONG CONVEYOR-4		20		15.1		15.1			
	FC-TAIL END OF CONVEYOR-1		40		25.1		24.8			
	FC-TAIL END OF CONVEYOR-2		40		25.3		25.1			
	FC-TAIL END OF CONVEYOR-3		40		24.8		24.9			
	FC-TAIL END OF CONVEYOR-4		40		25.2		25.3			
15	WORK SHOP-50 Te DUMPER	50	100	51.8	96.1	52.3	95.6			
	WORK SHOP-DOZER	50	100	50.2	90.6	50.8	91.2			
	WORK SHOP-AUX	50	100	49.4	90.8	48.3	90.4			
	PARKING YARD - DUMPER		50		50.8		51.2			
	PARKING YARD - DRILL		50		51.1		51.4			

Electrical Supervisor
Jagannath Colliery.

SR. OVERMAN
Jagannath Colliery

Electrical Safety Officer
Jagannath Colliery

Safety Officer
Jagannath Colliery

Project Manager.
Jagannath Colliery.

Distribution:-

(1) The GM(S&R), MCL.
(2) The Project Officer, JNC.
(3) The Safety Officer, JNC.
(4) The Project Engineer(E&M), JNC- with the request to make necessary improvement in illumination.
(5) File

REF NO:- MCL/JNC/Safety/Illumination/ 322 DATE:-30/10/21

ILLUMINATION SURVEY ON DTD: 29-10-21 & 30-10-21 OF JAGANNATH COLLIERY, JAGANNATH AREA/MCL.

INSPECTION TEAM

(1)SAFETY OFFICER:----------Sri P.Pandey, Mgr.(Min)
(2) ELECTRICAL SAFETY OFFICER:-----Sri Ajaya Ku. Sahoo, Mgr.(E&M)
(3)ELECTRICAL SUPERVISOR:----------Sri Srinibash Khuntia, F.M. (E&M)
(4)ELECTRICAL SUPERVISOR----------Sri P. C. Dalei, A.F.M.(E&M)
(4)SR. OVERMAN----------Sri Rajesh Kumar Yadav, Sr. O/M, Safety Deptt.

SL NO	LOCATION	STANDARD AS PER DGMS CIRCULAR		ACTUAL				ACTION TAKEN	STATUS: PROCUREMENT ACTION (If Any)	REMARKS
				CURRENT READING		PREVIOUS READING				
		V	H	V	H	V	H			
1	EXCV-1200 NEW	25	15	25.2	15.1	25.1	15.2			
	EXCV-534	25	15	25.1	15.3	25.3	15.1			
	EXCV-1200-D-ANANTA	25	15	25.2	15.1	25.1	15.3			
	EXCV-1000-D-FRONT	25	15	25.1	14.9	24.9	15.2			
	EXCV-1000-D-BACK	25	15	NA	NA	NA	NA			
	OPERATORS CABIN-EXCV-1200 NEW		50		50.1		50.3			
	OPERATORS CABIN-EXCV-534		50		50.2		50.1			
	OPERATORS CABIN-EXCV-1200-D-ANANTA		50		50.1		50.2			
	OPERATORS CABIN-EXCV-1000-D-FRONT		50		50.3		50.2			
	OPERATORS CABIN-EXCV-1000-D-BACK		50		NA		NA			
2	AREA OF DRILLING RIG WORKS	25		24.3		24.1				
3	AT DRILL HOLES		15		NA		NA			
4	OB DUMP	15	15	15.2	15.3	15.3	15.2			
5	COAL FACE	25	15	18.6	13.8	18.3	13.5			
6	HAUL ROADS		10		8.6		8.4			
7	PERMANENT PATHS FOR USE OF PERSONS		10		8.9		8.6			
8	PUMPING STATION-CENTRAL SUMP		40		40.4		28.1			
	PUMPING STATION- WEST SUMP		40		NA		NA			
	PUMPING STATION- COAL FACE SUMP		40		40.1		30.3			
9	REST SHELTER (MINES TIME OFFICE)		30		32.2		33.1			
10	FIRST-AID-STATION (MINES)		30		31.8		31.2			
11 Out-sour cing	HAUL ROAD		10		8.8		8.5			
	OB DUMP YARD	15	15	12.8	11.5	12.5	11.4			
	WORKING FACE-1	25	15	17.3	10.5	17.1	10.2			
	WORKING FACE-2	25	15	18.1	8.7	17.9	8.9			
	WORKING FACE-3	25	15	18.2	9.5	18.4	9.3			
	WORKING FACE-4	25	15	18.3	11.8	17.9	11.4			
12	SUB-STATION (MAIN)	50	100	50.5	101.2	50.2	100.8			
	SUB-STATION (MINES)	50	100	50.4	100.6	41.8	92.6			
13-CHP	CHP-FIRST-AID STATION		50		NA		NA			
	CHP-SUB-STATION	50	100	50.3	100.2	50.6	100.4			
	CHP-WORK SHOP	50	100	NA	NA	NA	NA			
	CHP-REST SHELTOR		30		11.9		11.8			
	CHP-COAL STOCK YARD	15	15	15.4	15.5	15.3	15.2			
	CHP-HAND PICKING POINTS		50		20.5		21.7			
	CHP-MANUAL WORKING ZONE	25	15	12.8	11.6	13.2	13.1			
	CHP-DRIVE HEAD OF CONVEYORS		40		24.7		25.8			
	CHP-PLACE OF CRUSHING		40		24.9		26.2			
	CHP-ALONG CONVEYOR-B2		20		12.8		13.1			
	CHP-ALONG CONVEYOR-B4		20		13.1		12.8			
	CHP-ALONG CONVEYOR-D2		20		12.9		13.1			
	CHP-ALONG CONVEYOR-D4		20		12.6		13.2			
	CHP-TAIL END OF CONVEYOR-B5		40		22.6		23.7			
	CHP-TAIL END OF CONVEYOR-D5		40		22.8		24.6			
	CHP-TRANSFER POINT-B3		40		23.1		24.9			
	CHP-TRANSFER POINT-D3		40		23.7		24.8			
14-FC	FC-FIRST-AID STATION		50		53.8		54.1			
	FC-SUB-STATION	50	100	50.9	101.2	51.2	100.9			
	FC-WORK SHOP	50	100	NA	NA	NA	NA			
	FC-REST SHELTOR		30		32.1		31.4			
	FC-COAL STOCK YARD	15	15	15.3	15.4	15.4	15.2			
	FC-HAND PICKING POINTS		50		31.2		25.7			
	FC-OPERATORS CABIN-1		50		44.1		26.7			
	FC-OPERATORS CABIN-2		50		43.2		26.4			
	FC-OPERATORS CABIN-3		50		45.6		32.6			
	FC-OPERATORS CABIN-4		50		49.8		33.1			

	FC-DRIVE HEAD OF CONVEYOR-1		40		36.9		31.2			
	FC-DRIVE HEAD OF CONVEYOR-2		40		35.8		30.4			
	FC-DRIVE HEAD OF CONVEYOR-3		40		35.7		30.3			
	FC-DRIVE HEAD OF CONVEYOR-4		40		34.6		29.9			
	FC-PLACE OF CRUSHING-1		40		33.9		29.2			
	FC-PLACE OF CRUSHING-2		40		34.1		29.6			
	FC-PLACE OF CRUSHING-3		40		32.8		29.9			
	FC-PLACE OF CRUSHING-4		40		33.8		30.2			
	FC-ALONG CONVEYOR-1		20		15.1		14.4			
	FC-ALONG CONVEYOR-2		20		15.4		15.1			
	FC-ALONG CONVEYOR-3		20		15.5		15.3			
	FC-ALONG CONVEYOR-4		20		15.3		15.1			
	FC-TAIL END OF CONVEYOR-1		40		28.2		25.1			
	FC-TAIL END OF CONVEYOR-2		40		27.9		25.3			
	FC-TAIL END OF CONVEYOR-3		40		27.5		24.8			
	FC-TAIL END OF CONVEYOR-4		40		27.1		25.2			
15	WORK SHOP-50 Te DUMPER	50	100	51.5	101.2	51.8	96.1			
	WORK SHOP-DOZER	50	100	50.3	99.8	50.2	90.6			
	WORK SHOP-AUX	50	100	50.3	97.9	49.4	90.8			
	PARKING YARD - DUMPER		50		50.6		50.8			
	PARKING YARD - DRILL		50		50.8		51.1			

30.10.21
Electrical Supervisor
Jagannath Colliery.

30/10/21
Electrical Supervisor
Jagannath Colliery

30-10-21
SR. OVERMAN
Jagannath Colliery

30-10-21
Electrical Safety Officer
Jagannath Colliery

30/X/21
Safety Officer
Jagannath Colliery

30/X/21
Project Manager.
Jagannath Colliery.

Distribution:-

(1) The GM(S&R), MCL.
(2) The Project Officer, JNC.
(3) The Safety Officer, JNC.
(4) The Project Engineer(E&M), JNC- with the request to make necessary improvement in illumination.
(5) File

REF NO:- MCL/JNC/Safety/Illumination/ 338 DATE:- 16-11-21

ILLUMINATION SURVEY ON DTD: 13-11-21 & 15-11-21 OF JAGANNATH COLLIERY, JAGANNATH AREA/MCL.

INSPECTION TEAM

(1)SAFETY OFFICER:----------Sri P.Pandey, Mgr.(Min)
(2) ELECTRICAL SAFETY OFFICER:-----Sri Ajaya Ku. Sahoo, Mgr.(E&M)
(3)ELECTRICAL SUPERVISOR:----------Sri Srinibash Khuntia, F.M. (E&M)
(4)ELECTRICAL SUPERVISOR----------Sri P. C. Dalei, A.F.M.(E&M)
(4)SR. OVERMAN----------Sri Rajesh Kumar Yadav, Sr. O/M, Safety Deptt.

SL NO	LOCATION	STANDARD AS PER DGMS CIRCULAR		ACTUAL				ACTION TAKEN	STATUS: PROCUREMENT ACTION (If Any)	REMARKS
				CURRENT READING		PREVIOUS READING				
		V	H	V	H	V	H			
1	EXCV-1200 NEW	25	15	25.1	15.2	25.2	15.1			
	EXCV-534	25	15	25.3	15.1	25.1	15.3			
	EXCV-1200-D-ANANTA	25	15	25.2	15.3	25.2	15.1			
	EXCV-1000-D-FRONT	25	15	25.2	25.1	25.1	14.9			
	EXCV-1000-D-BACK	25	15	NA	NA	NA	NA			
	OPERATORS CABIN-EXCV-1200 NEW		50		50.2		50.1			
	OPERATORS CABIN-EXCV-534		50		50.1		50.2			
	OPERATORS CABIN-EXCV-1200-D-ANANTA		50		50.3		50.1			
	OPERATORS CABIN-EXCV-1000-D-FRONT		50		50.2		50.3			
	OPERATORS CABIN-EXCV-1000-D-BACK		50		NA		NA			
2	AREA OF DRILLING RIG WORKS	25		24.2		24.3				
3	AT DRILL HOLES		15		NA		NA			
4	OB DUMP	15	15	15.1	15.2	15.2	15.3			
5	COAL FACE	25	15	18.7	13.7	18.6	13.8			
6	HAUL ROADS		10		8.7		8.6			
7	PERMANENT PATHS FOR USE OF PERSONS		10		8.8		8.9			
8	PUMPING STATION-CENTRAL SUMP		40		40.5		40.4			
	PUMPING STATION- WEST SUMP		40		NA		NA			
	PUMPING STATION- COAL FACE SUMP		40		40.2		40.1			
9	REST SHELTER (MINES TIME OFFICE)		30		33.1		32.2			
10	FIRST-AID-STATION (MINES)		30		31.9		31.8			
11 Out-sour cing	HAUL ROAD		10		8.7		8.8			
	OB DUMP YARD	15	15	13.1	12.8	12.8	11.5			
	WORKING FACE-1	25	15	17.1	11.8	17.3	10.5			
	WORKING FACE-2	25	15	17.9	8.5	18.1	8.7			
	WORKING FACE-3	25	15	18.1	9.2	18.2	9.5			
	WORKING FACE-4	25	15	17.8	11.6	18.3	11.8			
12	SUB-STATION (MAIN)	50	100	50.7	101,5	50.5	101.2			
	SUB-STATION (MINES)	50	100	50.1	100.2	50.4	100.6			
13-CHP	CHP-FIRST-AID STATION		50		NA		NA			
	CHP-SUB-STATION	50	100	50.1	100.3	50.3	100.2			
	CHP-WORK SHOP	50	100	NA	NA	NA	NA			
	CHP-REST SHELTOR		30		12.1		11.9			
	CHP-COAL STOCK YARD	15	15	15.3	15.2	15.4	15.5			
	CHP-HAND PICKING POINTS		50		20.4		20.5			
	CHP-MANUAL WORKING ZONE	25	15	12.7	11.4	12.8	11.6			
	CHP-DRIVE HEAD OF CONVEYORS		40		24.2		24.7			
	CHP-PLACE OF CRUSHING		40		24.7		24.9			
	CHP-ALONG CONVEYOR-B2		20		12.5		12.8			
	CHP-ALONG CONVEYOR-B4		20		13.2		13.1			
	CHP-ALONG CONVEYOR-D2		20		12.6		12.9			
	CHP-ALONG CONVEYOR-D4		20		12.7		12.6			
	CHP-TAIL END OF CONVEYOR-B5		40		22.4		22.6			
	CHP-TAIL END OF CONVEYOR-D5		40		22.5		22.8			
	CHP-TRANSFER POINT-B3		40		22.8		23.1			
	CHP-TRANSFER POINT-D3		40		23.2		23.7			
14-FC	FC-FIRST-AID STATION		50		53.1		53.8			
	FC-SUB-STATION	50	100	50.8	100.9	50.9	101.2			
	FC-WORK SHOP	50	100	NA	NA	NA	NA			
	FC-REST SHELTOR		30		31.8		32.1			
	FC-COAL STOCK YARD	15	15	15.4	15.2	15.3	15.4			
	FC-HAND PICKING POINTS		50		29.8		31.2			
	FC-OPERATORS CABIN-1		50		44.4		44.1			
	FC-OPERATORS CABIN-2		50		44.3		43.2			
	FC-OPERATORS CABIN-3		50		44.9		45.6			
	FC-OPERATORS CABIN-4		50		50.2		49.8			

	FC-DRIVE HEAD OF CONVEYOR-1		40		36.2		36.9			
	FC-DRIVE HEAD OF CONVEYOR-2		40		36.1		35.8			
	FC-DRIVE HEAD OF CONVEYOR-3		40		35.9		35.7			
	FC-DRIVE HEAD OF CONVEYOR-4		40		35.3		34.6			
	FC-PLACE OF CRUSHING-1		40		34.1		33.9			
	FC-PLACE OF CRUSHING-2		40		34.2		34.1			
	FC-PLACE OF CRUSHING-3		40		33.1		32.8			
	FC-PLACE OF CRUSHING-4		40		33.5		33.8			
	FC-ALONG CONVEYOR-1		20		15.4		15.1			
	FC-ALONG CONVEYOR-2		20		15.3		15.4			
	FC-ALONG CONVEYOR-3		20		15.4		15.5			
	FC-ALONG CONVEYOR-4		20		15.1		15.3			
	FC-TAIL END OF CONVEYOR-1		40		28.3		28.2			
	FC-TAIL END OF CONVEYOR-2		40		28.1		27.9			
	FC-TAIL END OF CONVEYOR-3		40		27.9		27.5			
	FC-TAIL END OF CONVEYOR-4		40		27.5		27.1			
15	WORK SHOP-50 Te DUMPER	50	100	51.4	100.8	51.5	101.2			
	WORK SHOP-DOZER	50	100	50.5	100.3	50.3	99.8			
	WORK SHOP-AUX	50	100	50.1	97.6	50.3	97.9			
	PARKING YARD - DUMPER		50		50.4		50.6			
	PARKING YARD - DRILL		50		50.3		50.8			

15/11/21
Electrical Supervisor
Jagannath Colliery.

15/11/21
Electrical Supervisor
Jagannath Colliery

SR. OVERMAN
Jagannath Colliery

15-11-21
Electrical Safety Officer
Jagannath Colliery

15/11/21
Safety Officer
Jagannath Colliery

16/11/21
Project Manager.
Jagannath Colliery.

Distribution:-

(1) The GM(S&R), MCL.
(2) The Project Officer, JNC.
(3) The Safety Officer, JNC.
(4) The Project Engineer(E&M), JNC- with the request to make necessary improvement in illumination.
(5) File

REF NO:- MCL/JNC/Safety/Illumination/ 350

DATE:- 30-11-2024

ILLUMINATION SURVEY ON DTD: 29-11-21 & 30-11-21 OF JAGANNATH COLLIERY, JAGANNATH AREA/MCL.

INSPECTION TEAM

(1)SAFETY OFFICER:----------Sri P.Pandey, Mgr.(Min)

(2) ELECTRICAL SAFETY OFFICER:-----Sri Ajaya Ku. Sahoo, Mgr.(E&M)

(3)ELECTRICAL SUPERVISOR----------Sri P. C. Dalei, A.E.M.(E&M)

(4)SR. OVERMAN----------Sri Rajesh Kumar Yadav, Sr. O/M, Safety Deptt.

SL NO	LOCATION	STANDARD AS PER DGMS CIRCULAR		ACTUAL				ACTION TAKEN	STATUS: PROCUREMENT ACTION (If Any)	REMARKS
				CURRENT READING		PREVIOUS READING				
		V	H	V	H	V	H			
1	EXCV-1200 NEW	25	15	25.3	15.1	25.1	15.2			
	EXCV-534	25	15	25.2	15.3	25.3	15.1			
	EXCV-1200-D-ANANTA	25	15	25.1	15.2	25.2	15.3			
	EXCV-1000-D-FRONT	25	15	25.3	25.2	25.2	25.1			
	EXCV-1000-D-BACK	25	15	NA	NA	NA	NA			
	OPERATORS CABIN-EXCV-1200 NEW		50		50.3		50.2			
	OPERATORS CABIN-EXCV-534		50		50.4		50.1			
	OPERATORS CABIN-EXCV-1200-D-ANANTA		50		50.2		50.3			
	OPERATORS CABIN-EXCV-1000-D-FRONT		50		50.3		50.2			
	OPERATORS CABIN-EXCV-1000-D-BACK		50		NA		NA			
2	AREA OF DRILLING RIG WORKS	25		24.3		24.2				
3	AT DRILL HOLES		15		NA		NA			
4	OB DUMP	15	15	15.4	15.3	15.1	15.2			
5	COAL FACE	25	15	19.1	13.9	18.7	13.7			
6	HAUL ROADS		10		8.8		8.7			
7	PERMANENT PATHS FOR USE OF PERSONS		10		9.1		8.8			
8	PUMPING STATION-CENTRAL SUMP		40		41.2		40.5			
	PUMPING STATION- WEST SUMP		40		NA		NA			
	PUMPING STATION- COAL FACE SUMP		40		40.4		40.2			
9	REST SHELTER (MINES TIME OFFICE)		30		32.9		33.1			
10	FIRST-AID-STATION (MINES)		30		31.6		31.9			
11 Out-sour cing	HAUL ROAD		10		8.9		8.7			
	OB DUMP YARD	15	15	13.3	13.1	13.1	12.8			
	WORKING FACE-1	25	15	17.4	12.1	17.1	11.8			
	WORKING FACE-2	25	15	17.6	8.8	17.9	8.5			
	WORKING FACE-3	25	15	17.9	9.3	18.1	9.2			
	WORKING FACE-4	25	15	17.6	11.4	17.8	11.6			
12	SUB-STATION (MAIN)	50	100	51.2	101.8	50.7	101,5			
	SUB-STATION (MINES)	50	100	50.5	100.6	50.1	100.2			
13-CHP	CHP-FIRST-AID STATION		50		NA		NA			
	CHP-SUB-STATION	50	100	50.2	100.4	50.1	100.3			
	CHP-WORK SHOP	50	100	NA	NA	NA	NA			
	CHP-REST SHELTOR		30		11.8		12.1			
	CHP-COAL STOCK YARD	15	15	15.4	15.3	15.3	15.2			
	CHP-HAND PICKING POINTS		50		20.2		20.4			
	CHP-MANUAL WORKING ZONE	25	15	12.6	11.5	12.7	11.4			
	CHP-DRIVE HEAD OF CONVEYORS		40		23.9		24.2			
	CHP-PLACE OF CRUSHING		40		24.3		24.7			
	CHP-ALONG CONVEYOR-B2		20		12.4		12.5			
	CHP-ALONG CONVEYOR-B4		20		13.1		13.2			
	CHP-ALONG CONVEYOR-D2		20		12.5		12.6			
	CHP-ALONG CONVEYOR-D4		20		12.8		12.7			
	CHP-TAIL END OF CONVEYOR-B5		40		22.1		22.4			
	CHP-TAIL END OF CONVEYOR-D5		40		22.3		22.5			
	CHP-TRANSFER POINT-B3		40		22.4		22.8			
	CHP-TRANSFER POINT-D3		40		22.9		23.2			
14-FC	FC-FIRST-AID STATION		50		52.9		53.1			
	FC-SUB-STATION	50	100	51.1	101.2	50.8	100.9			
	FC-WORK SHOP	50	100	NA	NA	NA	NA			
	FC-REST SHELTOR		30		31.4		31.8			
	FC-COAL STOCK YARD	15	15	15.3	15.4	15.4	15.2			
	FC-HAND PICKING POINTS		50		30.1		29.8			
	FC-OPERATORS CABIN-1		50		45.2		44.4			
	FC-OPERATORS CABIN-2		50		46.3		44.3			
	FC-OPERATORS CABIN-3		50		45.9		44.9			
	FC-OPERATORS CABIN-4		50		50.5		50.2			

	FC-DRIVE HEAD OF CONVEYOR-1		40		37.2		36.2			
	FC-DRIVE HEAD OF CONVEYOR-2		40		36.5		36.1			
	FC-DRIVE HEAD OF CONVEYOR-3		40		36.1		35.9			
	FC-DRIVE HEAD OF CONVEYOR-4		40		34.2		35.3			
	FC-PLACE OF CRUSHING-1		40		34.4		34.1			
	FC-PLACE OF CRUSHING-2		40		34.6		34.2			
	FC-PLACE OF CRUSHING-3		40		33.8		33.1			
	FC-PLACE OF CRUSHING-4		40		33.9		33.5			
	FC-ALONG CONVEYOR-1		20		15.6		15.4			
	FC-ALONG CONVEYOR-2		20		15.8		15.3			
	FC-ALONG CONVEYOR-3		20		15.9		15.4			
	FC-ALONG CONVEYOR-4		20		15.4		15.1			
	FC-TAIL END OF CONVEYOR-1		40		28.9		28.3			
	FC-TAIL END OF CONVEYOR-2		40		28.6		28.1			
	FC-TAIL END OF CONVEYOR-3		40		28.2		27.9			
	FC-TAIL END OF CONVEYOR-4		40		28.1		27.5			
15	WORK SHOP-50 Te DUMPER	50	100	51.6	101.1	51.4	100.8			
	WORK SHOP-DOZER	50	100	50.8	100.9	50.5	100.3			
	WORK SHOP-AUX	50	100	50.4	98.1	50.1	97.6			
	PARKING YARD - DUMPER		50		50.5		50.4			
	PARKING YARD - DRILL		50		50.6		50.3			

30/11/24

Electrical Supervisor
Jagannath Colliery.

30-11-24

SR. OVERMAN
Jagannath Colliery

30-11-21

Electrical Safety Officer
Jagannath Colliery

30/11/24

Safety Officer
Jagannath Colliery

30/11/24

Project Manager.
Jagannath Colliery.

Distribution:-

(1) The GM(S&R), MCL.
(2) The Project Officer, JNC.
(3) The Safety Officer, JNC.
(4) The Project Engineer(E&M), JNC- with the request to make necessary improvement in illumination.
(5) File

REF NO:- MCL/JNC/Safety/Illumination/ 362 DATE:- 15-12-24

ILLUMINATION SURVEY ON DTD: 14-12-21 & 15-12-21 OF JAGANNATH COLLIERY, JAGANNATH AREA/MCL.

INSPECTION TEAM

(1)SAFETY OFFICER:----------Sri P.Pandey, Mgr.(Min)
(2) ELECTRICAL SAFETY OFFICER:-----Sri Ajaya Ku. Sahoo, Mgr.(E&M)
(3)ELECTRICAL SUPERVISOR----------Sri Srinibash Khuntia, F.M.(E&M)
(4)ELECTRICAL SUPERVISOR----------Sri P. C. Dalei, A.F.M.(E&M)
(5)SR. OVERMAN----------Sri Rajesh Kumar Yadav, Sr. O/M, Safety Deptt.

SL NO	LOCATION	STANDARD AS PER DGMS CIRCULAR		ACTUAL				ACTION TAKEN	STATUS: PROCUREMENT ACTION (If Any)	REMARKS
				CURRENT READING		PREVIOUS READING				
		V	H	V	H	V	H			
1	EXCV-1200 NEW	25	15	25.1	15.2	25.3	15.1			
	EXCV-534	25	15	25.1	15.3	25.2	15.3			
	EXCV-1200-D-ANANTA	25	15	24.9	15.1	25.1	15.2			
	EXCV-1000-D-FRONT	25	15	25.2	25.3	25.3	25.2			
	EXCV-1000-D-BACK	25	15	NA	NA	NA	NA			
	OPERATORS CABIN-EXCV-1200 NEW		50		50.1		50.3			
	OPERATORS CABIN-EXCV-534		50		50.2		50.4			
	OPERATORS CABIN-EXCV-1200-D-ANANTA		50		50.3		50.2			
	OPERATORS CABIN-EXCV-1000-D-FRONT		50		50.2		50.3			
	OPERATORS CABIN-EXCV-1000-D-BACK		50		NA		NA			
2	AREA OF DRILLING RIG WORKS	25		23.9		24.3				
3	AT DRILL HOLES		15		NA		NA			
4	OB DUMP	15	15	15.2	15.4	15.4	15.3			
5	COAL FACE	25	15	18.9	13.7	19.1	13.9			
6	HAUL ROADS		10		8.6		8.8			
7	PERMANENT PATHS FOR USE OF PERSONS		10		9.2		9.1			
8	PUMPING STATION-CENTRAL SUMP		40		41.4		41.2			
	PUMPING STATION- WEST SUMP		40		NA		NA			
	PUMPING STATION- COAL FACE SUMP		40		40.6		40.4			
9	REST SHELTER (MINES TIME OFFICE)		30		32.6		32.9			
10	FIRST-AID-STATION (MINES)		30		31.8		31.6			
11	HAUL ROAD		10		8.7		8.9			
Out-sour cing	OB DUMP YARD	15	15	13.4	12.9	13.3	13.1			
	WORKING FACE-1	25	15	17.3	12.2	17.4	12.1			
	WORKING FACE-2	25	15	17.2	8.6	17.6	8.8			
	WORKING FACE-3	25	15	17.4	9.1	17.9	9.3			
	WORKING FACE-4	25	15	17.5	11.6	17.6	11.4			
12	SUB-STATION (MAIN)	50	100	51.8	101.6	51.2	101.8			
	SUB-STATION (MINES)	50	100	50.4	100.4	50.5	100.6			
13-CHP	CHP-FIRST-AID STATION		50		NA		NA			
	CHP-SUB-STATION	50	100	50.1	100.2	50.2	100.4			
	CHP-WORK SHOP	50	100	NA	NA	NA	NA			
	CHP-REST SHELTOR		30		11.2		11.8			
	CHP-COAL STOCK YARD	15	15	15.3	15.5	15.4	15.3			
	CHP-HAND PICKING POINTS		50		20.1		20.2			
	CHP-MANUAL WORKING ZONE	25	15	12.7	11.8	12.6	11.5			
	CHP-DRIVE HEAD OF CONVEYORS		40		23.6		23.9			
	CHP-PLACE OF CRUSHING		40		24.2		24.3			
	CHP-ALONG CONVEYOR-B2		20		12.5		12.4			
	CHP-ALONG CONVEYOR-B4		20		13.2		13.1			
	CHP-ALONG CONVEYOR-D2		20		12.3		12.5			
	CHP-ALONG CONVEYOR-D4		20		12.5		12.8			
	CHP-TAIL END OF CONVEYOR-B5		40		21.9		22.1			
	CHP-TAIL END OF CONVEYOR-D5		40		22.4		22.3			
	CHP-TRANSFER POINT-B3		40		22.1		22.4			
	CHP-TRANSFER POINT-D3		40		21.8		22.9			
14-FC	FC-FIRST-AID STATION		50		52.5		52.9			
	FC-SUB-STATION	50	100	50.8	100.9	51.1	101.2			
	FC-WORK SHOP	50	100	NA	NA	NA	NA			
	FC-REST SHELTOR		30		31.6		31.4			
	FC-COAL STOCK YARD	15	15	15.4	15.6	15.3	15.4			
	FC-HAND PICKING POINTS		50		30.2		30.1			
	FC-OPERATORS CABIN-1		50		44.9		45.2			
	FC-OPERATORS CABIN-2		50		46.1		46.3			
	FC-OPERATORS CABIN-3		50		46.2		45.9			
	FC-OPERATORS CABIN-4		50		50.6		50.5			

	FC-DRIVE HEAD OF CONVEYOR-1		40		36.9		37.2			
	FC-DRIVE HEAD OF CONVEYOR-2		40		36.8		36.5			
	FC-DRIVE HEAD OF CONVEYOR-3		40		36.4		36.1			
	FC-DRIVE HEAD OF CONVEYOR-4		40		34.7		34.2			
	FC-PLACE OF CRUSHING-1		40		34.1		34.4			
	FC-PLACE OF CRUSHING-2		40		34.2		34.6			
	FC-PLACE OF CRUSHING-3		40		34.2		33.8			
	FC-PLACE OF CRUSHING-4		40		34.1		33.9			
	FC-ALONG CONVEYOR-1		20		15.4		15.6			
	FC-ALONG CONVEYOR-2		20		15.9		15.8			
	FC-ALONG CONVEYOR-3		20		15.6		15.9			
	FC-ALONG CONVEYOR-4		20		15.5		15.4			
	FC-TAIL END OF CONVEYOR-1		40		29.2		28.9			
	FC-TAIL END OF CONVEYOR-2		40		28.8		28.6			
	FC-TAIL END OF CONVEYOR-3		40		28.4		28.2			
	FC-TAIL END OF CONVEYOR-4		40		28.2		28.1			
15	WORK SHOP-50 Te DUMPER	50	100	51.4	100.9	51.6	101.1			
	WORK SHOP-DOZER	50	100	50.9	101.1	50.8	100.9			
	WORK SHOP-AUX	50	100	50.2	98.4	50.4	98.1			
	PARKING YARD - DUMPER		50		50.2		50.5			
	PARKING YARD - DRILL		50		50.3		50.6			

15/12/21
Electrical Supervisor
Jagannath Colliery.

15/12/21
Electrical Supervisor
Jagannath Colliery

15-12-21
SR. OVERMAN
Jagannath Colliery

15-12-21
Electrical Safety Officer
Jagannath Colliery

15/12/21
Safety Officer
Jagannath Colliery

15/12/21
Project Manager.
Jagannath Colliery.

Distribution:-

(1) The GM(S&R), MCL.
(2) The Project Officer, JNC.
(3) The Safety Officer, JNC.
(4) The Project Engineer(E&M), JNC- with the request to make necessary improvement in illumination.
(5) File

REF NO:- MCL/JNC/Safety/Illumination/ 372 DATE:- 31-12-21

ILLUMINATION SURVEY ON DTD: 30-12-21 & 31-12-21 OF JAGANNATH COLLIERY, JAGANNATH AREA/MCL.

INSPECTION TEAM

(1)SAFETY OFFICER:----------Sri P.Pandey, Mgr.(Min)
(2) ELECTRICAL SAFETY OFFICER:-----Sri Ajaya Ku. Sahoo, Mgr.(E&M)
(3)ELECTRICAL SUPERVISOR----------Sri Srinibash Khuntia, F.M.(E&M)
(4)ELECTRICAL SUPERVISOR----------Sri P. C. Dalei, A.F.M.(E&M)
(5)SR. OVERMAN----------Sri Rajesh Kumar Yadav, Sr. O/M, Safety Deptt.

SL NO	LOCATION	STANDARD AS PER DGMS CIRCULAR		ACTUAL				ACTION TAKEN	STATUS: PROCUREMENT ACTION (If Any)	REMARKS
				CURRENT READING		PREVIOUS READING				
		V	H	V	H	V	H			
1	EXCV-1200 NEW	25	15	25.2	15.1	25.1	15.2			
	EXCV-534	25	15	25.3	15.1	25.1	15.3			
	EXCV-1200-D-ANANTA	25	15	24.8	15.2	24.9	15.1			
	EXCV-1000-D-FRONT	25	15	25.1	15.2	25.2	15.3			
	EXCV-1000-D-BACK	25	15	NA	NA	NA	NA			
	OPERATORS CABIN-EXCV-1200 NEW		50		50.2		50.1			
	OPERATORS CABIN-EXCV-534		50		50.3		50.2			
	OPERATORS CABIN-EXCV-1200-D-ANANTA		50		50.1		50.3			
	OPERATORS CABIN-EXCV-1000-D-FRONT		50		50.2		50.2			
	OPERATORS CABIN-EXCV-1000-D-BACK		50		NA		NA			
2	AREA OF DRILLING RIG WORKS	25		24.1		23.9				
3	AT DRILL HOLES		15		NA		NA			
4	OB DUMP	15	15	15.3	15.2	15.2	15.4			
5	COAL FACE	25	15	18.5	13.8	18.9	13.7			
6	HAUL ROADS		10		8.7		8.6			
7	PERMANENT PATHS FOR USE OF PERSONS		10		9.4		9.2			
8	PUMPING STATION-CENTRAL SUMP		40		41.8		41.4			
	PUMPING STATION- WEST SUMP		40		NA		NA			
	PUMPING STATION- COAL FACE SUMP		40		40.7		40.6			
9	REST SHELTER (MINES TIME OFFICE)		30		32.4		32.6			
10	FIRST-AID-STATION (MINES)		30		31.9		31.8			
11 Out-sour cing	HAUL ROAD		10		8.6		8.7			
	OB DUMP YARD	15	15	13.2	13.1	13.4	12.9			
	WORKING FACE-1	25	15	17.1	12.4	17.3	12.2			
	WORKING FACE-2	25	15	17.3	8.8	17.2	8.6			
	WORKING FACE-3	25	15	17.2	9.4	17.4	9.1			
	WORKING FACE-4	25	15	17.2	11.8	17.5	11.6			
12	SUB-STATION (MAIN)	50	100	51.6	101.8	51.8	101.6			
	SUB-STATION (MINES)	50	100	50.3	100.6	50.4	100.4			
13-CHP	CHP-FIRST-AID STATION		50		NA		NA			
	CHP-SUB-STATION	50	100	50.2	100.4	50.1	100.2			
	CHP-WORK SHOP	50	100	NA	NA	NA	NA			
	CHP-REST SHELTOR		30		11.5		11.2			
	CHP-COAL STOCK YARD	15	15	15.4	15.7	15.3	15.5			
	CHP-HAND PICKING POINTS		50		19.8		20.1			
	CHP-MANUAL WORKING ZONE	25	15	12.9	11.7	12.7	11.8			
	CHP-DRIVE HEAD OF CONVEYORS		40		23.4		23.6			
	CHP-PLACE OF CRUSHING		40		24.1		24.2			
	CHP-ALONG CONVEYOR-B2		20		12.6		12.5			
	CHP-ALONG CONVEYOR-B4		20		13.3		13.2			
	CHP-ALONG CONVEYOR-D2		20		13.2		12.3			
	CHP-ALONG CONVEYOR-D4		20		12.6		12.5			
	CHP-TAIL END OF CONVEYOR-B5		40		21.7		21.9			
	CHP-TAIL END OF CONVEYOR-D5		40		22.1		22.4			
	CHP-TRANSFER POINT-B3		40		22.2		22.1			
	CHP-TRANSFER POINT-D3		40		21.6		21.8			
14-FC	FC-FIRST-AID STATION		50		52.4		52.5			
	FC-SUB-STATION	50	100	50.6	100.5	50.8	100.9			
	FC-WORK SHOP	50	100	NA	NA	NA	NA			
	FC-REST SHELTOR		30		31.8		31.6			
	FC-COAL STOCK YARD	15	15	15.3	15.7	15.4	15.6			
	FC-HAND PICKING POINTS		50		30.8		30.2			
	FC-OPERATORS CABIN-1		50		44.6		44.9			
	FC-OPERATORS CABIN-2		50		45.8		46.1			
	FC-OPERATORS CABIN-3		50		45.7		46.2			
	FC-OPERATORS CABIN-4		50		50.3		50.6			

	FC-DRIVE HEAD OF CONVEYOR-1		40		36.4		36.9			
	FC-DRIVE HEAD OF CONVEYOR-2		40		36.5		36.8			
	FC-DRIVE HEAD OF CONVEYOR-3		40		36.1		36.4			
	FC-DRIVE HEAD OF CONVEYOR-4		40		35.2		34.7			
	FC-PLACE OF CRUSHING-1		40		34.4		34.1			
	FC-PLACE OF CRUSHING-2		40		34.5		34.2			
	FC-PLACE OF CRUSHING-3		40		34.3		34.2			
	FC-PLACE OF CRUSHING-4		40		34.5		34.1			
	FC-ALONG CONVEYOR-1		20		15.7		15.4			
	FC-ALONG CONVEYOR-2		20		15.8		15.9			
	FC-ALONG CONVEYOR-3		20		15.7		15.6			
	FC-ALONG CONVEYOR-4		20		15.3		15.5			
	FC-TAIL END OF CONVEYOR-1		40		29.6		29.2			
	FC-TAIL END OF CONVEYOR-2		40		29.1		28.8			
	FC-TAIL END OF CONVEYOR-3		40		28.2		28.4			
	FC-TAIL END OF CONVEYOR-4		40		28.3		28.2			
15	WORK SHOP-50 Te DUMPER	50	100	50.9	100.4	51.4	100.9			
	WORK SHOP-DOZER	50	100	50.7	100.9	50.9	101.1			
	WORK SHOP-AUX	50	100	50.5	98.7	50.2	98.4			
	PARKING YARD - DUMPER		50		50.4		50.2			
	PARKING YARD - DRILL		50		50.1		50.3			

31.12.21
Electrical Supervisor
Jagannath Colliery.

31/12/21
Electrical Supervisor
Jagannath Colliery

31/12/21
SR. OVERMAN
Jagannath Colliery

31-12-21
Electrical Safety Officer
Jagannath Colliery

31/12/21
Safety Officer
Jagannath Colliery

31/12/21
Project Manager.
Jagannath Colliery.

Distribution:-

(1) The GM(S&R), MCL.
(2) The Project Officer, JNC.
(3) The Safety Officer, JNC.
(4) The Project Engineer(E&M), JNC- with the request to make necessary improvement in illumination.
(5) File

REF NO:- MCL/JNC/Safety/Illumination/ 09

DATE:- 15.01.22

ILLUMINATION SURVEY ON DTD: 13-01-22 & 14-01-22 OF JAGANNATH COLLIERY, JAGANNATH AREA/MCL.

INSPECTION TEAM

(1)SAFETY OFFICER:----------Sri P.Pandey, Mgr.(Min)
(2) ELECTRICAL SAFETY OFFICER:-----Sri Ajaya Ku. Sahoo, Mgr.(E&M)
(3)ELECTRICAL SUPERVISOR----------Sri Srinibash Khuntia, F.M.(E&M)
(4)ELECTRICAL SUPERVISOR----------Sri P. C. Dalei, A.F.M.(E&M)
(5)SR. OVERMAN----------Sri Rajesh Kumar Yadav, Sr. O/M, Safety Deptt.

SL NO	LOCATION	STANDARD AS PER DGMS CIRCULAR		ACTUAL				ACTION TAKEN	STATUS: PROCUREMENT ACTION (If Any)	REMARKS
				CURRENT READING		PREVIOUS READING				
		V	H	V	H	V	H			
1	EXCV-1200 NEW	25	15	25.4	15.2	25.2	15.1			
	EXCV-534	25	15	25.1	15.2	25.3	15.1			
	EXCV-1200-D-ANANTA	25	15	24.9	15.1	24.8	15.2			
	EXCV-1000-D-FRONT	25	15	25.2	15.1	25.1	15.2			
	EXCV-1000-D-BACK	25	15	NA	NA	NA	NA			
	OPERATORS CABIN-EXCV-1200 NEW		50		50.3		50.2			
	OPERATORS CABIN-EXCV-534		50		50.5		50.3			
	OPERATORS CABIN-EXCV-1200-D-ANANTA		50		50.2		50.1			
	OPERATORS CABIN-EXCV-1000-D-FRONT		50		50.1		50.2			
	OPERATORS CABIN-EXCV-1000-D-BACK		50		NA		NA			
2	AREA OF DRILLING RIG WORKS	25		23.9		24.1				
3	AT DRILL HOLES		15		NA		NA			
4	OB DUMP	15	15	15.2	15.4	15.3	15.2			
5	COAL FACE	25	15	18.7	13.9	18.5	13.8			
6	HAUL ROADS		10		8.6		8.7			
7	PERMANENT PATHS FOR USE OF PERSONS		10		9.5		9.4			
8	PUMPING STATION-CENTRAL SUMP		40		41.4		41.8			
	PUMPING STATION- WEST SUMP		40		NA		NA			
	PUMPING STATION- COAL FACE SUMP		40		40.4		40.7			
9	REST SHELTER (MINES TIME OFFICE)		30		32.2		32.4			
10	FIRST-AID-STATION (MINES)		30		31.7		31.9			
11 Out-sour cing	HAUL ROAD		10		8.7		8.6			
	OB DUMP YARD	15	15	13.3	13.2	13.2	13.1			
	WORKING FACE-1	25	15	17.0	12.5	17.1	12.4			
	WORKING FACE-2	25	15	17.1	8.7	17.3	8.8			
	WORKING FACE-3	25	15	17.3	9 1	17.2	9.4			
	WORKING FACE-4	25	15	17.1	11.6	17.2	11.8			
12	SUB-STATION (MAIN)	50	100	51.7	101.4	51.6	101.8			
	SUB-STATION (MINES)	50	100	50.2	100.3	50.3	100.6			
13-CHP	CHP-FIRST-AID STATION		50		NA		NA			
	CHP-SUB-STATION	50	100	50.1	100.2	50.2	100.4			
	CHP-WORK SHOP	50	100	NA	NA	NA	NA			
	CHP-REST SHELTOR		30		11.3		11.5			
	CHP-COAL STOCK YARD	15	15	15.5	15.4	15.4	15.7			
	CHP-HAND PICKING POINTS		50		19.6		19.8			
	CHP-MANUAL WORKING ZONE	25	15	12.7	11.6	12.9	11.7			
	CHP-DRIVE HEAD OF CONVEYORS		40		23.2		23.4			
	CHP-PLACE OF CRUSHING		40		23.9		24.1			
	CHP-ALONG CONVEYOR-B2		20		12.3		12.6			
	CHP-ALONG CONVEYOR-B4		20		13.4		13.3			
	CHP-ALONG CONVEYOR-D2		20		13.0		13.2			
	CHP-ALONG CONVEYOR-D4		20		12.4		12.6			
	CHP-TAIL END OF CONVEYOR-B5		40		21.5		21.7			
	CHP-TAIL END OF CONVEYOR-D5		40		22.2		22.1			
	CHP-TRANSFER POINT-B3		40		22.0		22.2			
	CHP-TRANSFER POINT-D3		40		21.4		21.6			
14-FC	FC-FIRST-AID STATION		50		52.1		52.4			
	FC-SUB-STATION	50	100	50.5	100.6	50.6	100.5			
	FC-WORK SHOP	50	100	NA	NA	NA	NA			
	FC-REST SHELTOR		30		31.9		31.8			
	FC-COAL STOCK YARD	15	15	15.4	15.6	15.3	15.7			
	FC-HAND PICKING POINTS		50		30.6		30.8			
	FC-OPERATORS CABIN-1		50		44.7		44.6			
	FC-OPERATORS CABIN-2		50		45.5		45.8			
	FC-OPERATORS CABIN-3		50		45.9		45.7			

	FC-OPERATORS CABIN-4		50		50.4		50.3			
	FC-DRIVE HEAD OF CONVEYOR-1		40		36.2		36.4			
	FC-DRIVE HEAD OF CONVEYOR-2		40		36.4		36.5			
	FC-DRIVE HEAD OF CONVEYOR-3		40		36.3		36.1			
	FC-DRIVE HEAD OF CONVEYOR-4		40		35.5		35.2			
	FC-PLACE OF CRUSHING-1		40		34.1		34.4			
	FC-PLACE OF CRUSHING-2		40		34.6		34.5			
	FC-PLACE OF CRUSHING-3		40		34.2		34.3			
	FC-PLACE OF CRUSHING-4		40		34.6		34.5			
	FC-ALONG CONVEYOR-1		20		15.6		15.7			
	FC-ALONG CONVEYOR-2		20		15.4		15.8			
	FC-ALONG CONVEYOR-3		20		15.3		15.7			
	FC-ALONG CONVEYOR-4		20		15.4		15.3			
	FC-TAIL END OF CONVEYOR-1		40		29.7		29.6			
	FC-TAIL END OF CONVEYOR-2		40		29.3		29.1			
	FC-TAIL END OF CONVEYOR-3		40		28.1		28.2			
	FC-TAIL END OF CONVEYOR-4		40		28.4		28.3			
15	WORK SHOP-50 Te DUMPER	50	100	50.7	100.1	50.9	100.4			
	WORK SHOP-DOZER	50	100	50.4	100.3	50.7	100.9			
	WORK SHOP-AUX	50	100	50.2	98.8	50.5	98.7			
	PARKING YARD - DUMPER		50		50.6		50.4			
	PARKING YARD - DRILL		50		50.3		50.1			

14/1/22
Electrical Supervisor
Jagannath Colliery.

14/1/22
Electrical Supervisor
Jagannath Colliery

14-01-22
SR. OVERMAN
Jagannath Colliery

14-01-22
Electrical Safety Officer
Jagannath Colliery

14/1/22
Safety Officer
Jagannath Colliery

14/1/22
Project Manager.
Jagannath Colliery.

Distribution:-

(1) The GM(S&R), MCL.
(2) The Project Officer, JNC.
(3) The Safety Officer, JNC.
(4) The Project Engineer(E&M), JNC- with the request to make necessary improvement in illumination.
(5) File

REF NO:- MCL/JNC/Safety/Illumination/ 2022/ 24 DATE:- 31-01-22

ILLUMINATION SURVEY ON DTD: 29-01-22 & 31-01-22 OF JAGANNATH COLLIERY, JAGANNATH AREA/MCL.

INSPECTION TEAM

(1)SAFETY OFFICER:----------Sri P.Pandey, Mgr.(Min)
(2) ELECTRICAL SAFETY OFFICER:-----Sri Ajaya Ku. Sahoo, Mgr.(E&M)
(3)ELECTRICAL SUPERVISOR----------Sri Srinibash Khuntia, F.M.(E&M)
(4)ELECTRICAL SUPERVISOR----------Sri P. C. Dalei, A.F.M.(E&M)
(5)SR. OVERMAN----------Sri Rajesh Kumar Yadav, Sr. O/M, Safety Deptt.

SL NO	LOCATION	STANDARD AS PER DGMS CIRCULAR		ACTUAL				ACTION TAKEN	STATUS: PROCUREMENT ACTION (If Any)	REMARKS
				CURRENT READING		PREVIOUS READING				
		V	H	V	H	V	H			
1	EXCV-1200 NEW	25	15	24.9	15.4	25.4	15.2			
	EXCV-534	25	15	25.4	15.4	25.1	15.2			
	EXCV-1200-D-ANANTA	25	15	25.2	15.5	24.9	15.1			
	EXCV-1000-D-FRONT	25	15	25.5	15.3	25.2	15.1			
	EXCV-1000-D-BACK	25	15	NA	NA	NA	NA			
	OPERATORS CABIN-EXCV-1200 NEW		50		50.8		50.3			
	OPERATORS CABIN-EXCV-534		50		51.1		50.5			
	OPERATORS CABIN-EXCV-1200-D-ANANTA		50		50.6		50.2			
	OPERATORS CABIN-EXCV-1000-D-FRONT		50		50.4		50.1			
	OPERATORS CABIN-EXCV-1000-D-BACK		50		NA		NA			
2	AREA OF DRILLING RIG WORKS	25		23.3		23.9				
3	AT DRILL HOLES		15		NA		NA			
4	OB DUMP	15	15	15.6	15.5	15.2	15.4			
5	COAL FACE	25	15	18.4	14.1	18.7	13.9			
6	HAUL ROADS		10		8.9		8.6			
7	PERMANENT PATHS FOR USE OF PERSONS		10		9.1		9.5			
8	PUMPING STATION-CENTRAL SUMP		40		42.3		41.4			
	PUMPING STATION- WEST SUMP		40		NA		NA			
	PUMPING STATION- COAL FACE SUMP		40		41.2		40.4			
9	REST SHELTER (MINES TIME OFFICE)		30		33.1		32.2			
10	FIRST-AID-STATION (MINES)		30		30.8		31.7			
11 Out-sour cing	HAUL ROAD		10		8.3		8.7			
	OB DUMP YARD	15	15	13.7	13.5	13.3	13.2			
	WORKING FACE-1	25	15	17.4	12.8	17.0	12.5			
	WORKING FACE-2	25	15	17.3	8.6	17.1	8.7			
	WORKING FACE-3	25	15	17.6	8.8	17.3	9.1			
	WORKING FACE-4	25	15	17.4	11.2	17.1	11.6			
12	SUB-STATION (MAIN)	50	100	52.4	102.2	51.7	101.4			
	SUB-STATION (MINES)	50	100	50.8	100.9	50.2	100.3			
13-CHP	CHP-FIRST-AID STATION		50		NA		NA			
	CHP-SUB-STATION	50	100	49.5	100.4	50.1	100.2			
	CHP-WORK SHOP	50	100	NA	NA	NA	NA			
	CHP-REST SHELTOR		30		11.5		11.3			
	CHP-COAL STOCK YARD	15	15	15.8	15.6	15.5	15.4			
	CHP-HAND PICKING POINTS		50		19.2		19.6			
	CHP-MANUAL WORKING ZONE	25	15	12.5	11.2	12.7	11.6			
	CHP-DRIVE HEAD OF CONVEYORS		40		22.6		23.2			
	CHP-PLACE OF CRUSHING		40		23.2		23.9			
	CHP-ALONG CONVEYOR-B2		20		12.2		12.3			
	CHP-ALONG CONVEYOR-B4		20		12.9		13.4			
	CHP-ALONG CONVEYOR-D2		20		13.3		13.0			
	CHP-ALONG CONVEYOR-D4		20		12.6		12.4			
	CHP-TAIL END OF CONVEYOR-B5		40		21.1		21.5			
	CHP-TAIL END OF CONVEYOR-D5		40		21.6		22.2			
	CHP-TRANSFER POINT-B3		40		21.8		22.0			
	CHP-TRANSFER POINT-D3		40		21.6		21.4			
14-FC	FC-FIRST-AID STATION		50		53.2		52.1			
	FC-SUB-STATION	50	100	51.1	101.2	50.5	100.6			
	FC-WORK SHOP	50	100	NA	NA	NA	NA			
	FC-REST SHELTOR		30		32.6		31.9			
	FC-COAL STOCK YARD	15	15	16.0	15.8	15.4	15.6			
	FC-HAND PICKING POINTS		50		30.9		30.6			
	FC-OPERATORS CABIN-1		50		45.4		44.7			
	FC-OPERATORS CABIN-2		50		46.2		45.5			
	FC-OPERATORS CABIN-3		50		46.6		45.9			

	FC-OPERATORS CABIN-4		50		51.1		50.4			
	FC-DRIVE HEAD OF CONVEYOR-1		40		35.8		36.2			
	FC-DRIVE HEAD OF CONVEYOR-2		40		35.6		36.4			
	FC-DRIVE HEAD OF CONVEYOR-3		40		35.9		36.3			
	FC-DRIVE HEAD OF CONVEYOR-4		40		36.1		35.5			
	FC-PLACE OF CRUSHING-1		40		34.1		34.1			
	FC-PLACE OF CRUSHING-2		40		35.1		34.6			
	FC-PLACE OF CRUSHING-3		40		34.6		34.2			
	FC-PLACE OF CRUSHING-4		40		35.0		34.6			
	FC-ALONG CONVEYOR-1		20		15.2		15.6			
	FC-ALONG CONVEYOR-2		20		15.3		15.4			
	FC-ALONG CONVEYOR-3		20		15.7		15.3			
	FC-ALONG CONVEYOR-4		20		15.8		15.4			
	FC-TAIL END OF CONVEYOR-1		40		30.2		29.7			
	FC-TAIL END OF CONVEYOR-2		40		29.9		29.3			
	FC-TAIL END OF CONVEYOR-3		40		29.0		28.1			
	FC-TAIL END OF CONVEYOR-4		40		29.1		28.4			
15	WORK SHOP-50 Te DUMPER	50	100	51.2	100.9	50.7	100.1			
	WORK SHOP-DOZER	50	100	50.8	101.2	50.4	100.3			
	WORK SHOP-AUX	50	100	50.7	99.3	50.2	98.8			
	PARKING YARD - DUMPER		50		51.1		50.6			
	PARKING YARD - DRILL		50		50.7		50.3			

31.1.22
Electrical Supervisor
Jagannath Colliery.

31.1.22
Electrical Supervisor
Jagannath Colliery

31-1-22
SR. OVERMAN
Jagannath Colliery

31-01-22
Electrical Safety Officer
Jagannath Colliery

31/1/22
Safety Officer
Jagannath Colliery

31/1/22
Project Manager.
Jagannath Colliery.

Distribution:-

(1) The GM(S&R), MCL.
(2) The Project Officer, JNC.
(3) The Safety Officer, JNC.
(4) The Project Engineer(E&M), JNC- with the request to make necessary improvement in illumination.
(5) File

REF NO:- MCL/JNC/Safety/Illumination/ 2022/ 42 DATE:- 15-02-22

ILLUMINATION SURVEY ON DTD: 14-02-22 & 15-02-22 OF JAGANNATH COLLIERY, JAGANNATH AREA/MCL.

INSPECTION TEAM

(1)SAFETY OFFICER:----------Sri P.Pandey, Mgr.(Min)
(2) ELECTRICAL SAFETY OFFICER:-----Sri Ajaya Ku. Sahoo, Mgr.(E&M)
(3)ELECTRICAL SUPERVISOR----------Sri Srinibash Khuntia, F.M.(E&M)
(4)ELECTRICAL SUPERVISOR----------Sri P. C. Dalei, A.F.M.(E&M)
(5)SR. OVERMAN----------Sri Rajesh Kumar Yadav, Sr. O/M, Safety Deptt.

SL NO	LOCATION	STANDARD AS PER DGMS CIRCULAR		ACTUAL				ACTION TAKEN	STATUS: PROCUREMENT ACTION (If Any)	REMARKS
				CURRENT READING		PREVIOUS READING				
		V	H	V	H	V	H			
1	EXCV-1200 NEW	25	15	25.3	15.1	24.9	15.4			
	EXCV-534	25	15	25.1	15.2	25.4	15.4			
	EXCV-1200-D-ANANTA	25	15	24.8	15.2	25.2	15.5			
	EXCV-1000-D-FRONT	25	15	25.1	15.5	25.5	15.3			
	EXCV-1000-D-BACK	25	15	NA	NA	NA	NA			
	OPERATORS CABIN-EXCV-1200 NEW		50		50.2		50.8			
	OPERATORS CABIN-EXCV-534		50		50.6		51.1			
	OPERATORS CABIN-EXCV-1200-D-ANANTA		50		50.1		50.6			
	OPERATORS CABIN-EXCV-1000-D-FRONT		50		50.7		50.4			
	OPERATORS CABIN-EXCV-1000-D-BACK		50		NA		NA			
2	AREA OF DRILLING RIG WORKS	25		22.8		23.3				
3	AT DRILL HOLES		15		NA		NA			
4	OB DUMP	15	15	15.1	15.2	15.6	15.5			
5	COAL FACE	25	15	18.7	14.4	18.4	14.1			
6	HAUL ROADS		10		8.6		8.9			
7	PERMANENT PATHS FOR USE OF PERSONS		10		9.3		9.1			
8	PUMPING STATION-CENTRAL SUMP		40		41.8		42.3			
	PUMPING STATION- WEST SUMP		40		NA		NA			
	PUMPING STATION- COAL FACE SUMP		40		41.7		41.2			
9	REST SHELTER (MINES TIME OFFICE)		30		32.6		33.1			
10	FIRST-AID-STATION (MINES)		30		31.4		30.8			
11 Out-sour cing	HAUL ROAD		10		8.7		8.3			
	OB DUMP YARD	15	15	13.3	13.2	13.7	13.5			
	WORKING FACE-1	25	15	17.8	12.4	17.4	12.8			
	WORKING FACE-2	25	15	17.6	8.2	17.3	8.6			
	WORKING FACE-3	25	15	17.1	8.4	17.6	8.8			
	WORKING FACE-4	25	15	17.6	11.7	17.4	11.2			
12	SUB-STATION (MAIN)	50	100	51.8	101.6	52.4	102.2			
	SUB-STATION (MINES)	50	100	50.2	100.2	50.8	100.9			
13-CHP	CHP-FIRST-AID STATION		50		NA		NA			
	CHP-SUB-STATION	50	100	50.2	99.8	49.5	100.4			
	CHP-WORK SHOP	50	100	NA	NA	NA	NA			
	CHP-REST SHELTOR		30		11.2		11.5			
	CHP-COAL STOCK YARD	15	15	15.2	15.3	15.8	15.6			
	CHP-HAND PICKING POINTS		50		18.8		19.2			
	CHP-MANUAL WORKING ZONE	25	15	12.2	11.5	12.5	11.2			
	CHP-DRIVE HEAD OF CONVEYORS		40		22.3		22.6			
	CHP-PLACE OF CRUSHING		40		23.7		23.2			
	CHP-ALONG CONVEYOR-B2		20		12.5		12.2			
	CHP-ALONG CONVEYOR-B4		20		12.4		12.9			
	CHP-ALONG CONVEYOR-D2		20		12.8		13.3			
	CHP-ALONG CONVEYOR-D4		20		11.9		12.6			
	CHP-TAIL END OF CONVEYOR-B5		40		20.7		21.1			
	CHP-TAIL END OF CONVEYOR-D5		40		20.9		21.6			
	CHP-TRANSFER POINT-B3		40		21.1		21.8			
	CHP-TRANSFER POINT-D3		40		21.2		21.6			
14-FC	FC-FIRST-AID STATION		50		53.7		53.2			
	FC-SUB-STATION	50	100	51.5	100.8	51.1	101.2			
	FC-WORK SHOP	50	100	NA	NA	NA	NA			
	FC-REST SHELTOR		30		32.1		32.6			
	FC-COAL STOCK YARD	15	15	15.8	15.9	16.0	15.8			
	FC-HAND PICKING POINTS		50		31.4		30.9			
	FC-OPERATORS CABIN-1		50		46.6		45.4			
	FC-OPERATORS CABIN-2		50		46.8		46.2			
	FC-OPERATORS CABIN-3		50		46.1		46.6			

	FC-OPERATORS CABIN-4		50		51.6		51.1			
	FC-DRIVE HEAD OF CONVEYOR-1		40		35.2		35.8			
	FC-DRIVE HEAD OF CONVEYOR-2		40		36.1		35.6			
	FC-DRIVE HEAD OF CONVEYOR-3		40		36.3		35.9			
	FC-DRIVE HEAD OF CONVEYOR-4		40		36.5		36.1			
	FC-PLACE OF CRUSHING-1		40		34.7		34.1			
	FC-PLACE OF CRUSHING-2		40		35.5		35.1			
	FC-PLACE OF CRUSHING-3		40		35.1		34.6			
	FC-PLACE OF CRUSHING-4		40		34.8		35.0			
	FC-ALONG CONVEYOR-1		20		14.7		15.2			
	FC-ALONG CONVEYOR-2		20		15.1		15.3			
	FC-ALONG CONVEYOR-3		20		15.2		15.7			
	FC-ALONG CONVEYOR-4		20		15.4		15.8			
	FC-TAIL END OF CONVEYOR-1		40		30.6		30.2			
	FC-TAIL END OF CONVEYOR-2		40		30.2		29.9			
	FC-TAIL END OF CONVEYOR-3		40		29.5		29.0			
	FC-TAIL END OF CONVEYOR-4		40		29.7		29.1			
15	WORK SHOP-50 Te DUMPER	50	100	50.8	100.5	51.2	100.9			
	WORK SHOP-DOZER	50	100	51.1	101.7	50.8	101.2			
	WORK SHOP-AUX	50	100	50.7	99.9	50.7	99.3			
	PARKING YARD - DUMPER		50		51.6		51.1			
	PARKING YARD - DRILL		50		50.2		50.7			

15/2/22

Electrical Supervisor
Jagannath Colliery.

15/2/22

Electrical Supervisor
Jagannath Colliery

15-02-22

SR. OVERMAN
Jagannath Colliery

15-02-22

Electrical Safety Officer
Jagannath Colliery

15/2/22

Safety Officer
Jagannath Colliery

15/2/22

Project Manager.
Jagannath Colliery.

Distribution:-

(1) The GM(S&R), MCL.
(2) The Project Officer, JNC.
(3) The Safety Officer, JNC.
(4) The Project Engineer(E&M), JNC- with the request to make necessary improvement in illumination.
(5) File

REF NO:- MCL/JNC/Safety/Illumination/ 2022/ 52 DATE:- 28-02-22

ILLUMINATION SURVEY ON DTD: 26-02-22 & 28-02-22 OF JAGANNATH COLLIERY, JAGANNATH AREA/MCL.

INSPECTION TEAM

(1)SAFETY OFFICER:----------Sri P.Pandey, Mgr.(Min)
(2) ELECTRICAL SAFETY OFFICER:-----Sri Ajaya Ku. Sahoo, Mgr.(E&M)
(3)ELECTRICAL SUPERVISOR----------Sri Srinibash Khuntia, F.M.(E&M)
(4)SR. OVERMAN----------Sri Rajesh Kumar Yadav, Sr. O/M, Safety Deptt.

SL NO	LOCATION	STANDARD AS PER DGMS CIRCULAR		ACTUAL				ACTION TAKEN	STATUS: PROCUREMENT ACTION (If Any)	REMARKS
				CURRENT READING		PREVIOUS READING				
		V	H	V	H	V	H			
1	EXCV-1200 NEW	25	15	25.1	15.3	25.3	15.1			
	EXCV-534	25	15	25.6	15.6	25.1	15.2			
	EXCV-1200-D-ANANTA	25	15	25.2	14.9	24.8	15.2			
	EXCV-1000-D-FRONT	25	15	24.8	15.2	25.1	15.5			
	EXCV-1000-D-BACK	25	15	NA	NA	NA	NA			
	OPERATORS CABIN-EXCV-1200 NEW		50		50.5		50.2			
	OPERATORS CABIN-EXCV-534		50		50.1		50.6			
	OPERATORS CABIN-EXCV-1200-D-ANANTA		50		50.4		50.1			
	OPERATORS CABIN-EXCV-1000-D-FRONT		50		50.3		50.7			
	OPERATORS CABIN-EXCV-1000-D-BACK		50		NA		NA			
2	AREA OF DRILLING RIG WORKS	25		23.1		22.8				
3	AT DRILL HOLES		15		NA		NA			
4	OB DUMP	15	15	15.7	15.5	15.1	15.2			
5	COAL FACE	25	15	18.2	14.1	18.7	14.4			
6	HAUL ROADS		10		8.9		8.6			
7	PERMANENT PATHS FOR USE OF PERSONS		10		8.9		9.3			
8	PUMPING STATION-CENTRAL SUMP		40		42.2		41.8			
	PUMPING STATION- WEST SUMP		40		NA		NA			
	PUMPING STATION- COAL FACE SUMP		40		42.3		41.7			
9	REST SHELTER (MINES TIME OFFICE)		30		32.2		32.6			
10	FIRST-AID-STATION (MINES)		30		30.9		31.4			
11 Out-sour cing	HAUL ROAD		10		8.3		8.7			
	OB DUMP YARD	15	15	13.7	13.5	13.3	13.2			
	WORKING FACE-1	25	15	17.2	12.3	17.8	12.4			
	WORKING FACE-2	25	15	17.4	8.8	17.6	8.2			
	WORKING FACE-3	25	15	17.6	8.7	17.1	8.4			
	WORKING FACE-4	25	15	17.1	12.1	17.6	11.7			
12	SUB-STATION (MAIN)	50	100	52.2	102.1	51.8	101.6			
	SUB-STATION (MINES)	50	100	50.5	100.7	50.2	100.2			
13-CHP	CHP-FIRST-AID STATION		50		NA		NA			
	CHP-SUB-STATION	50	100	50.1	100.2	50.2	99.8			
	CHP-WORK SHOP	50	100	NA	NA	NA	NA			
	CHP-REST SHELTOR		30		11.4		11.2			
	CHP-COAL STOCK YARD	15	15	15.6	15.7	15.2	15.3			
	CHP-HAND PICKING POINTS		50		18.2		18.8			
	CHP-MANUAL WORKING ZONE	25	15	12.3	11.2	12.2	11.5			
	CHP-DRIVE HEAD OF CONVEYORS		40		22.5		22.3			
	CHP-PLACE OF CRUSHING		40		23.3		23.7			
	CHP-ALONG CONVEYOR-B2		20		12.1		12.5			
	CHP-ALONG CONVEYOR-B4		20		12.2		12.4			
	CHP-ALONG CONVEYOR-D2		20		12.4		12.8			
	CHP-ALONG CONVEYOR-D4		20		12.2		11.9			
	CHP-TAIL END OF CONVEYOR-B5		40		20.3		20.7			
	CHP-TAIL END OF CONVEYOR-D5		40		20.2		20.9			
	CHP-TRANSFER POINT-B3		40		20.9		21.1			
	CHP-TRANSFER POINT-D3		40		20.8		21.2			
14-FC	FC-FIRST-AID STATION		50		53.3		53.7			
	FC-SUB-STATION	50	100	51.1	101.2	51.5	100.8			
	FC-WORK SHOP	50	100	NA	NA	NA	NA			
	FC-REST SHELTOR		30		32.6		32.1			
	FC-COAL STOCK YARD	15	15	15.5	15.4	15.8	15.9			
	FC-HAND PICKING POINTS		50		31.9		31.4			
	FC-OPERATORS CABIN-1		50		47.1		46.6			
	FC-OPERATORS CABIN-2		50		47.3		46.8			
	FC-OPERATORS CABIN-3		50		46.8		46.1			
	FC-OPERATORS CABIN-4		50		51.3		51.6			

	FC-DRIVE HEAD OF CONVEYOR-1		40		35.7		35.2			
	FC-DRIVE HEAD OF CONVEYOR-2		40		36.6		36.1			
	FC-DRIVE HEAD OF CONVEYOR-3		40		35.9		36.3			
	FC-DRIVE HEAD OF CONVEYOR-4		40		36.1		36.5			
	FC-PLACE OF CRUSHING-1		40		35.2		34.7			
	FC-PLACE OF CRUSHING-2		40		35.8		35.5			
	FC-PLACE OF CRUSHING-3		40		35.4		35.1			
	FC-PLACE OF CRUSHING-4		40		35.2		34.8			
	FC-ALONG CONVEYOR-1		20		15.1		14.7			
	FC-ALONG CONVEYOR-2		20		15.4		15.1			
	FC-ALONG CONVEYOR-3		20		15.3		15.2			
	FC-ALONG CONVEYOR-4		20		15.2		15.4			
	FC-TAIL END OF CONVEYOR-1		40		31.1		30.6			
	FC-TAIL END OF CONVEYOR-2		40		30.6		30.2			
	FC-TAIL END OF CONVEYOR-3		40		30.2		29.5			
	FC-TAIL END OF CONVEYOR-4		40		30.1		29.7			
15	WORK SHOP-50 Te DUMPER	50	100	51.2	101.1	50.8	100.5			
	WORK SHOP-DOZER	50	100	51.6	101.2	51.1	101.7			
	WORK SHOP-AUX	50	100	50.9	99.91 00.5	50.7	99.9			
	PARKING YARD - DUMPER		50		50.9		51.6			
	PARKING YARD - DRILL		50		50.8		50.2			

28/2/22

Electrical Supervisor
Jagannath Colliery.

28-02-22

SR. OVERMAN
Jagannath Colliery

28-02-22.

Electrical Safety Officer
Jagannath Colliery

28/02/22

Safety Officer
Jagannath Colliery

Project Manager
Jagannath Colliery.

Distribution:-

(1) The GM(S&R), MCL.
(2) The Project Officer, JNC.
(3) The Safety Officer, JNC.
(4) The Project Engineer(E&M), JNC- with the request to make necessary improvement in illumination.
(5) File

REF NO:- MCL/JNC/Safety/Illumination/ 2022/ 62 DATE:- 16-03-22

ILLUMINATION SURVEY ON DTD: 15-03-22 & 16-03-22 OF JAGANNATH COLLIERY, JAGANNATH AREA/MCL.

INSPECTION TEAM

(1)SAFETY OFFICER:----------Sri P.Pandey, Mgr.(Min)
(2) ELECTRICAL SAFETY OFFICER:-----Sri Ajaya Ku. Sahoo, Mgr.(E&M)
(3)ELECTRICAL SUPERVISOR----------Sri Srinibash Khuntia, F.M.(E&M)
(4)ELECTRICAL SUPERVISOR ----------Sri P C Dalei, A.F.M.(E&M)
(5)SR. OVERMAN----------Sri Rajesh Kumar Yadav, Sr. O/M, Safety Deptt.

SL NO	LOCATION	STANDARD AS PER DGMS CIRCULAR		ACTUAL				ACTION TAKEN	STATUS: PROCUREMENT ACTION (If Any)	REMARKS
				CURRENT READING		PREVIOUS READING				
		V	H	V	H	V	H			
1	EXCV-1200 NEW	25	15	25.3	15.4	25.1	15.3			
	EXCV-534	25	15	25.2	15.2	25.6	15.6			
	EXCV-1200-D-ANANTA	25	15	25.5	15.3	25.2	14.9			
	EXCV-1000-D-FRONT	25	15	25.4	15.5	24.8	15.2			
	EXCV-1000-D-BACK	25	15	NA	NA	NA	NA			
	OPERATORS CABIN-EXCV-1200 NEW		50		50.4		50.5			
	OPERATORS CABIN-EXCV-534		50		50.3		50.1			
	OPERATORS CABIN-EXCV-1200-D-ANANTA		50		50.1		50.4			
	OPERATORS CABIN-EXCV-1000-D-FRONT		50		50.5		50.3			
	OPERATORS CABIN-EXCV-1000-D-BACK		50		NA		NA			
2	AREA OF DRILLING RIG WORKS	25		23.5		23.1				
3	AT DRILL HOLES		15		NA		NA			
4	OB DUMP	15	15	15.5	15.3	15.7	15.5			
5	COAL FACE	25	15	18.6	14.3	18.2	14.1			
6	HAUL ROADS		10		8.5		8.9			
7	PERMANENT PATHS FOR USE OF PERSONS		10		8.4		8.9			
8	PUMPING STATION-CENTRAL SUMP		40		42.7		42.2			
	PUMPING STATION- WEST SUMP		40		NA		NA			
	PUMPING STATION- COAL FACE SUMP		40		42.6		42.3			
9	REST SHELTER (MINES TIME OFFICE)		30		32.8		32.2			
10	FIRST-AID-STATION (MINES)		30		31.2		30.9			
11	HAUL ROAD		10		8.6		8.3			
Out-sourcing	OB DUMP YARD	15	15	13.4	13.2	13.7	13.5			
	WORKING FACE-1	25	15	17.5	12.4	17.2	12.8			
	WORKING FACE-2	25	15	17.1	9.1	17.4	8.8			
	WORKING FACE-3	25	15	17.2	8.9	17.6	8.7			
	WORKING FACE-4	25	15	17.3	11.8	17.1	12.1			
12	SUB-STATION (MAIN)	50	100	51.8	101.9	52.2	102.1			
	SUB-STATION (MINES)	50	100	50.7	100.2	50.5	100.7			
13-CHP	CHP-FIRST-AID STATION		50		NA		NA			
	CHP-SUB-STATION	50	100	50.3	100.6	50.1	100.2			
	CHP-WORK SHOP	50	100	NA	NA	NA	NA			
	CHP-REST SHELTOR		30		11.4		11.4			
	CHP-COAL STOCK YARD	15	15	15.3	15.4	15.6	15.7			
	CHP-HAND PICKING POINTS		50		18.4		18.2			
	CHP-MANUAL WORKING ZONE	25	15	12.6	11.4	12.3	11.2			
	CHP-DRIVE HEAD OF CONVEYORS		40		22.7		22.5			
	CHP-PLACE OF CRUSHING		40		23.5		23.3			
	CHP-ALONG CONVEYOR-B2		20		12.2		12.1			
	CHP-ALONG CONVEYOR-B4		20		12.4		12.2			
	CHP-ALONG CONVEYOR-D2		20		12.1		12.4			
	CHP-ALONG CONVEYOR-D4		20		12.3		12.2			
	CHP-TAIL END OF CONVEYOR-B5		40		20.5		20.3			
	CHP-TAIL END OF CONVEYOR-D5		40		20.4		20.2			
	CHP-TRANSFER POINT-B3		40		20.2		20.9			
	CHP-TRANSFER POINT-D3		40		20.3		20.8			
14-FC	FC-FIRST-AID STATION		50		52.8		53.3			
	FC-SUB-STATION	50	100	51.5	101.6	51.1	101.2			
	FC-WORK SHOP	50	100	NA	NA	NA	NA			
	FC-REST SHELTOR		30		32.2		32.6			
	FC-COAL STOCK YARD	15	15	15.2	15.6	15.5	15.4			
	FC-HAND PICKING POINTS		50		32.4		31.9			
	FC-OPERATORS CABIN-1		50		47.6		47.1			
	FC-OPERATORS CABIN-2		50		47.7		47.3			
	FC-OPERATORS CABIN-3		50		47.2		46.8			
	FC-OPERATORS CABIN-4		50		50.9		51.3			

	FC-DRIVE HEAD OF CONVEYOR-1		40		35.2		35.7			
	FC-DRIVE HEAD OF CONVEYOR-2		40		36.1		36.6			
	FC-DRIVE HEAD OF CONVEYOR-3		40		36.3		35.9			
	FC-DRIVE HEAD OF CONVEYOR-4		40		36.4		36.1			
	FC-PLACE OF CRUSHING-1		40		35.5		35.2			
	FC-PLACE OF CRUSHING-2		40		35.3		35.8			
	FC-PLACE OF CRUSHING-3		40		35.7		35.4			
	FC-PLACE OF CRUSHING-4		40		35.5		35.2			
	FC-ALONG CONVEYOR-1		20		15.4		15.1			
	FC-ALONG CONVEYOR-2		20		15.2		15.4			
	FC-ALONG CONVEYOR-3		20		15.6		15.3			
	FC-ALONG CONVEYOR-4		20		15.5		15.2			
	FC-TAIL END OF CONVEYOR-1		40		30.8		31.1			
	FC-TAIL END OF CONVEYOR-2		40		30.7		30.6			
	FC-TAIL END OF CONVEYOR-3		40		30.5		30.2			
	FC-TAIL END OF CONVEYOR-4		40		30.3		30.1			
15	WORK SHOP-50 Te DUMPER	50	100	51.5	101.5	51.2	101.1			
	WORK SHOP-DOZER	50	100	51.2	101.5	51.6	101.2			
	WORK SHOP-AUX	50	100	51.2	99.5	50.9	99.91			
	PARKING YARD - DUMPER		50		51.2		50.9			
	PARKING YARD - DRILL		50		51.5		50.8			

16/3/22

Electrical Supervisor
Jagannath Colliery.

16/3/22

Electrical Supervisor
Jagannath Colliery

16.03.22

SR. OVERMAN
Jagannath Colliery

16-03-22

Electrical Safety Officer
Jagannath Colliery

16/3/22

Safety Officer
Jagannath Colliery

16/3/22

Project Manager.
Jagannath Colliery.

Distribution:-

(1) The GM(S&R), MCL.
(2) The Project Officer, JNC.
(3) The Safety Officer, JNC.
(4) The Project Engineer(E&M), JNC- with the request to make necessary improvement in illumination.
(5) File

REF NO:- MCL/JNC/Safety/Illumination/ 2022/ 72 DATE:- 30-03-22

ILLUMINATION SURVEY ON DTD: 29-03-22 & 30-03-22 OF JAGANNATH COLLIERY, JAGANNATH AREA/MCL.

INSPECTION TEAM

(1)SAFETY OFFICER:----------Sri P.Pandey, Mgr.(Min)
(2) ELECTRICAL SAFETY OFFICER:-----Sri Ajaya Ku. Sahoo, Mgr.(E&M)
(3)ELECTRICAL SUPERVISOR----------Sri Srinibash Khuntia, F.M.(E&M)
(4)ELECTRICAL SUPERVISOR ----------Sri P C Dalei, A.F.M.(E&M)
(5)SR. OVERMAN----------Sri Rajesh Kumar Yadav, Sr. O/M, Safety Deptt.

SL NO	LOCATION	STANDARD AS PER DGMS CIRCULAR		ACTUAL				ACTION TAKEN	STATUS: PROCUREMENT ACTION (If Any)	REMARKS
				CURRENT READING		PREVIOUS READING				
		V	H	V	H	V	H			
1	EXCV-1200 NEW	25	15	25.5	15.2	25.3	15.4			
	EXCV-534	25	15	25.1	15.4	25.2	15.2			
	EXCV-1200-D-ANANTA	25	15	25.2	15.6	25.5	15.3			
	EXCV-1000-D-FRONT	25	15	25.6	15.2	25.4	15.5			
	EXCV-1000-D-BACK	25	15	NA	NA	NA	NA			
	OPERATORS CABIN-EXCV-1200 NEW		50		50.7		50.4			
	OPERATORS CABIN-EXCV-534		50		50.5		50.3			
	OPERATORS CABIN-EXCV-1200-D-ANANTA		50		50.3		50.1			
	OPERATORS CABIN-EXCV-1000-D-FRONT		50		50.2		50.5			
	OPERATORS CABIN-EXCV-1000-D-BACK		50		NA		NA			
2	AREA OF DRILLING RIG WORKS	25		23.1		23.5				
3	AT DRILL HOLES		15		NA		NA			
4	OB DUMP	15	15	15.3	15.5	15.5	15.3			
5	COAL FACE	25	15	19.1	14.9	18.6	14.3			
6	HAUL ROADS		10		8.4		8.5			
7	PERMANENT PATHS FOR USE OF PERSONS		10		8.6		8.4			
8	PUMPING STATION-CENTRAL SUMP		40		43.1		42.7			
	PUMPING STATION- WEST SUMP		40		NA		NA			
	PUMPING STATION- COAL FACE SUMP		40		42.9		42.6			
9	REST SHELTER (MINES TIME OFFICE)		30		33.2		32.8			
10	FIRST-AID-STATION (MINES)		30		31.8		31.2			
11	HAUL ROAD		10		8.7		8.6			
Out-sourcing	OB DUMP YARD	15	15	13.6	13.5	13.4	13.2			
	WORKING FACE-1	25	15	17.2	12.1	17.5	12.4			
	WORKING FACE-2	25	15	17.4	9.3	17.1	9.1			
	WORKING FACE-3	25	15	17.5	9.4	17.2	8.9			
	WORKING FACE-4	25	15	17.1	12.2	17.3	11.8			
12	SUB-STATION (MAIN)	50	100	51.2	102.2	51.8	101.9			
	SUB-STATION (MINES)	50	100	51.1	100.8	50.7	100.2			
13-CHP	CHP-FIRST-AID STATION		50		NA		NA			
	CHP-SUB-STATION	50	100	50.7	100.9	50.3	100.6			
	CHP-WORK SHOP	50	100	NA	NA	NA	NA			
	CHP-REST SHELTOR		30		11.3		11.4			
	CHP-COAL STOCK YARD	15	15	15.6	15.7	15.3	15.4			
	CHP-HAND PICKING POINTS		50		18.1		18.4			
	CHP-MANUAL WORKING ZONE	25	15	12.2	11.2	12.6	11.4			
	CHP-DRIVE HEAD OF CONVEYORS		40		22.2		22.7			
	CHP-PLACE OF CRUSHING		40		23.1		23.5			
	CHP-ALONG CONVEYOR-B2		20		12.5		12.2			
	CHP-ALONG CONVEYOR-B4		20		12.2		12.4			
	CHP-ALONG CONVEYOR-D2		20		12.3		12.1			
	CHP-ALONG CONVEYOR-D4		20		12.1		12.3			
	CHP-TAIL END OF CONVEYOR-B5		40		20.1		20.5			
	CHP-TAIL END OF CONVEYOR-D5		40		20.5		20.4			
	CHP-TRANSFER POINT-B3		40		20.3		20.2			
	CHP-TRANSFER POINT-D3		40		20.4		20.3			
14-FC	FC-FIRST-AID STATION		50		52.2		52.8			
	FC-SUB-STATION	50	100	51.7	101.1	51.5	101.6			
	FC-WORK SHOP	50	100	NA	NA	NA	NA			
	FC-REST SHELTOR		30		32.5		32.2			
	FC-COAL STOCK YARD	15	15	15.5	15.8	15.2	15.6			
	FC-HAND PICKING POINTS		50		32.9		32.4			
	FC-OPERATORS CABIN-1		50		47.8		47.6			
	FC-OPERATORS CABIN-2		50		48.4		47.7			
	FC-OPERATORS CABIN-3		50		47.9		47.2			
	FC-OPERATORS CABIN-4		50		50.5		50.9			

	FC-DRIVE HEAD OF CONVEYOR-1		40		35.7		35.2			
	FC-DRIVE HEAD OF CONVEYOR-2		40		36.4		36.1			
	FC-DRIVE HEAD OF CONVEYOR-3		40		36.6		36.3			
	FC-DRIVE HEAD OF CONVEYOR-4		40		36.1		36.4			
	FC-PLACE OF CRUSHING-1		40		35.9		35.5			
	FC-PLACE OF CRUSHING-2		40		35.7		35.3			
	FC-PLACE OF CRUSHING-3		40		35.3		35.7			
	FC-PLACE OF CRUSHING-4		40		35.2		35.5			
	FC-ALONG CONVEYOR-1		20		15.7		15.4			
	FC-ALONG CONVEYOR-2		20		15.5		15.2			
	FC-ALONG CONVEYOR-3		20		15.3		15.6			
	FC-ALONG CONVEYOR-4		20		15.1		15.5			
	FC-TAIL END OF CONVEYOR-1		40		31.2		30.8			
	FC-TAIL END OF CONVEYOR-2		40		30.9		30.7			
	FC-TAIL END OF CONVEYOR-3		40		30.8		30.5			
	FC-TAIL END OF CONVEYOR-4		40		30.6		30.3			
15	WORK SHOP-50 Te DUMPER	50	100	51.7	101.8	51.5	101.5			
	WORK SHOP-DOZER	50	100	51.5	101.1	51.2	101.5			
	WORK SHOP-AUX	50	100	51.6	100.2	51.2	99.5			
	PARKING YARD - DUMPER		50		51.5		51.2			
	PARKING YARD - DRILL		50		51.8		51.5			

30.3.22
Electrical Supervisor
Jagannath Colliery.

30.3.22
Electrical Supervisor
Jagannath Colliery

30-03-22
SR. OVERMAN / M/S
Jagannath Colliery

30-03-22
Electrical Safety Officer
Jagannath Colliery

30/3/22
Safety Officer
Jagannath Colliery

30/3/22
Project Manager.
Jagannath Colliery.

Distribution:-

(1) The GM(S&R), MCL.
(2) The Project Officer, JNC.
(3) The Safety Officer, JNC.
(4) The Project Engineer(E&M), JNC- with the request to make necessary improvement in illumination.
(5) File

ANNEXTURE –II

PROFOMA FOR PROVIDING INFORMATION ON REHABILITATION

1	No. of village affected	04
2	Families affected(PAF's)	809
3	Compensation package offered per family	As per norms of Odisha Govt. and R&R Policy of CIL/MCL.
4	Budget estimate for rehabilitation	
(a)	Total Outlay	919 Lakhs(As per 7.5 MTPA EMP includes cost estimate for Resettlement and Rehabilitation)
(b)	Amount paid/used	Rehabilitation &Resettlement: 2019-20 — 3.32Cr; 2020-21 — 3.11Cr; 21-22 — 4.24Cr
5	Employment details	
(a)	Total employment to be provided	707
(b)	Employment given so far	700
6	Rehabilitation & Resettlement Details	809
(a)	No. of families resettled	774
	i)Name of the site	Handidhua R&R site
	ii)Families resettled	321
(b)	Families yet to be rehabilitated	248
	i)Name of the sites	166 Nos in Boulpur R&R site
7	Any other information	240 Nos cash already paid 35 Nos cash to be paid

REPORT- I
MINISTRY OF ENVIRONMENT FOREST & CC
REGIONAL OFFICE BHUBNESWAR
MONITORING PROFORMA (DATA SHEET) PART-I

1.	Project type: River-Valley/Mining Industry/ Thermal/Nuclear/Other (Specify)	MINING
2.	Name of the Project	Jagannath Colliery
3.	Clearance letter(s) OM No.& Dated	J-11015/177/2015-IA-II(M), dated 09-09-2020
4.	Location: a) District(s), State(s)	Dist: Angul, State: Odisha.
5.	Name & Address of concerned Project Officer, (with Pin Code & Telephone /Telex/Fax Nos.)	Shri Sarat Kumar Rath Project Officer, Jagannath Colliery PO- Balanda, Talcher Dist: Angul, Odisha, Pin :759116 Ph- 06760-260212 (O)
	b) Address of Executive Project Engineer manager (with Pin Code and Telephone/Telex /Fax Nos.).	
6.	Salient Features of the	
	(a)Project	It is an Opencast Project; Coal is extracted by using Surface Miner, drilling &blasting. OB is extracted by drilling and blasting, blasted material is extracted by using shovel dumper combination. Coal is transported by contractual tipper.
	(b) Environment Management plan	
I	Air pollution	Wet drilling arrangement in all five drills, 05 number of water sprinkler used for dust suppression, mist sprinkler& fixed sprinklers installed in CHP&FC
II	Water pollution	MDTP,ETP,STP in operation
III	Solid waste/ OB	OB is dumped concurrently in the de-coaled area and then reclaimed both technically and biologically
7.	Breakup of the Project Area	Total Area =553.946Ha Forest- =82.736 Ha
	a) Submergence area (forest & non-forest)	Non Forest =471.21 Ha
	b) Others	Nil
8.	Breakup of the Project affected population With enumeration of those losing houses/ Dwelling units only, agricultural land only, Both dwelling units and agricultural land and less laborers/artisans. a) SC/ST Advises b) Others	Village Purnia,Nakhetrapur,Rakas,Balanda is affected. Total Nos of land oustees sponsored= 741 Nos Nos. of employment provided= 700 Nos Cash in lieu of Employment= 09 Nos Nos. of LO not eligible =25 Nos. Under process =07 Nos
9.	Financial Details	
	a) Project cost as originally planned and	Project Cost 409.88 Cr

<table>
<tr><td></td><td>subsequent the years of price reference</td><td>(337.66 Cr additional)</td></tr>
<tr><td></td><td>b) Allocation made for environmental management Plans, with item wise and Year wise break-up.</td><td><table>
<tr><td>YEAR</td><td>19-20</td><td>20-21</td><td>21-22</td></tr>
<tr><td>R&R</td><td>3.32Cr</td><td>3.11Cr</td><td>4.24Cr</td></tr>
<tr><td>Restoration Of land</td><td>116.69 lakh</td><td>129.54 lakh</td><td>1636.15 lakh</td></tr>
<tr><td>Anti pollution Control measures</td><td>14Cr</td><td>23.5Cr</td><td>248.88 lakh</td></tr>
</table></td></tr>
<tr><td></td><td>c) Benefit cost ratio/internal rate of return and the year of assessment.</td><td>-</td></tr>
<tr><td></td><td>d) Whether(c) includes the cost of Environmental Management as Shown in (b) above.</td><td>YES</td></tr>
<tr><td></td><td>e) Actual expenditure incurred on the Project so far</td><td>The capital cost as per approved PR for EMP is 1546 Lakh</td></tr>
<tr><td></td><td>f) Actual expenditure incurred on the Envt. Management plan so far</td><td>Rs 16.63 per Te. Of Coal produced (approx)</td></tr>
<tr><td>10</td><td>FOREST LAND REQUIREMENTS</td><td></td></tr>
<tr><td></td><td>(a) The status of approval for a diversion of forest land for non-forestry use</td><td>Vide letter No. 8-70/2004-FC, Dt-19.11.2004 for 58.096 Ha and Vide letter No. 8-87/2012-FC,Dt-15.03.2013 for 24.64 Ha</td></tr>
<tr><td></td><td>(b) The status of clears felling in forest and non-forest lands</td><td>Trees felling completed in forest land</td></tr>
<tr><td></td><td>(c)The status of compensatory afforestation</td><td>Completed</td></tr>
<tr><td></td><td>(d)Comments on the viability and Sustainability of compensatory afforestation programme in the light of actual field experience so far</td><td>Compensatory afforestation programme is viable and highly essential for sustainability of the ecosystem.</td></tr>
<tr><td>11</td><td>Status of construction:</td><td></td></tr>
<tr><td></td><td>(a)Date of commencement (actual and / or planned</td><td>26.01.1971</td></tr>
<tr><td></td><td>(b) Date of completion (actual and/or planned</td><td>Ongoing project</td></tr>
<tr><td>12</td><td>Reason for the delay if the project is yet to start</td><td>NA</td></tr>
<tr><td>13</td><td>Date of site visits</td><td></td></tr>
<tr><td></td><td>a) The dated on which the Project was Monitored by the Regional Officer on Previous occasions if</td><td>26.12.2019</td></tr>
<tr><td></td><td>b) Date of site visit for this monitoring Report</td><td>26.12.2019</td></tr>
<tr><td>14</td><td>Details of correspondence with Project Authorities for obtaining action plans, Information & status of compliance to Safeguards.</td><td>NR</td></tr>
</table>

MINISTRY OF ENVIRONMENT FORESTS& CC
EASTERN REGIONAL OFFICE
A/3 Chandrasekharpur, Bhubaneswar -751 023

FORMAT FOR PROVIDING PARTICULARS ON GREEN BELT/ PLANTATION UNDER F© ACT 1980 AND E (P) ACT 1986.

1(a)	Name of the Organization	Mahanadi Coalfields Limited, A Subsidiary of Coal India Limited
(b)	Envt. /Forest clearance Order No.	(1)8-70/2004-FC, Dt-19.11.2004 for 58.096 Ha (2)8-87/2012-FC,Dt-15.03.2013 for 24.64 Ha
2.	Location, Block/Sub Divn. /Dist./State	Dist: Angul, Block: Talcher, Odisha
3.	Address for communication	Jagannath Colliery PO- Balanda, Talcher Dist: Angul, Odisha, Pin :759116 Ph- 06760-260212 (O)
4.	Existing vegetation in the area/region	Mango, Sal, Bamboo, Mahul ,Jamun
(a)	Major prevalent species of each type	Mango, Sal, Bamboo, Mahul, Jamun
5.	Land coverage by the Project.	
(a)	Total area under the Project	553.946
(b)	Area covered for basic infrastructure: (Roads)/building /factory etc.)	
6.	Details about natural vegetation	Trees and shrubs are available
(a)	Name and number of plant species :	Mango, Sal, Bamboo, Mahul ,Jamun etc
(b)	By protecting the area will Indigenous stock comes up?	-
(c)	Extent of green belt developed	Plantation done in 4Ha in 2020-21 Completed plantation in 5Ha during 2021-22
7.	Plantations required to be carried out As per. Conditions of Environmental Clearance / in Ha. / Nos	2500Nos. /Ha.
(a)	A conditions of Forest© Act for afforestation	Double the area of forest land used for non-forestry purposes.
(b)	Voluntarily in ha. /nos	2500 per Ha.

8.Details about Plantation:

(a)Total area available for plantation in each category:

Block plantation	Year 2020-21	Year 2021-22
Backfilled Area	4Ha	5Ha
Roads sides	Nil	Nil
Dump(External)	Nil	Nil
Green belt	Nil	Nil
Remarks slope plantation	Nil	Nil

(b)Plantation details (Category wise and Methodology used) :In Year 2020-21, 10000 nos of trees has been planted in 4Ha and In 2021-22 , 8000 nos of trees has been planted in 5Ha

(c) Survival % of Plantation :Survival percentage of plantation of the year 2020-21 is 90% and survival percentage of plantation of the year 2021-22 is 92%

9.Agency carrying out Plantation : Orissa Forest Development Corporation And DFO,Angul Division And CGRVVNL, Bilaspur, Chhattisgarh

10.Financial details (year wise), Plantation wise and item wise :Payment made Rs 1496700.00 against 50% 1st Installment of advance to CGRVVNL and Rs 2499475.00 to DFO, Angul Division for 1st year plantation work (1st and 2nd installment)

ENVIRONMENTAL EXPENDITURE AT JAGANNATH OC PROJECT

SI.No	*YEAR*	*Expenditure in Lakhs (Approx.)*
1	2014-15	1342.24
2	2015-16	305.00
3	2016-17	217.29
4	2017-18	263.73
5	2018-19	300.28
6	2019-20	1175.00
7	2020-21	2075.00
8	2021-22	289.03

ANNEXTURE-IV

EFFLUENT QUALITY DATA

Sl. No.	Monitoring Stations	All dimensions are in mg/l unless otherwise stated except pH							
		pH		Oil &grease	TSS		COD		BOD
		Min	Max		Min	Max	Min	Max	
1	STP Inlet	7.17	7.40	-	38	46	-	-	<2.0
	STP Outlet	6.42	8.19	-	16	48	-	-	<2.0
2	O&G Trap Inlet(4P)	7.12	7.51	<4.0	28	46	20	40	-
	O&G Trap Outlet(4P)	7.18	7.56	<4.0	18	40	16	32	-
3	West Sump	6.35	7.21	-	-	-	-	-	-
4	Central Sump	7.07	7.26	-	-	-	-	-	-
5	Near MDTP	6.59	8.90	<4.0	18	54	12	52	-
MoEF Standard 2000		5.5-9.0		10	100		250		30

NOISE LEVEL MEASUREMENT IN DBA

Station No.	Monitoring Stations	DAY		NIGHT	
		Min.	Max.	Min.	Max.
1	Near NBVL Station	57.3	74.2	51.4	67.7
2	Near MDTP	55.8	68.1	51.2	63.4
3	Central Nursery	54.2	72.1	50.1	65.8
4	CWS Colony, Meeti	51.2	58.9	48.5	54.7
MoEF Standard 2000		6.00AM -10.00PM Leq 75dB(A)		10.00PM -6.00AM Leq 70dB(A)	

GROUND WATER LEVEL MONITORING DATA

Station No.	Date	Location	Ground Water Level(mtr)
1	27-11-2021	Piezometer No.-MTP 04	3.31
	31-01-2022	Piezometer No.-MTP 04	3.75

AMBIENT AIR QUALITY DATA

Station No.	Monitoring Stations	Concentration ($\mu g/m^3$)									
		SPM		PM10		PM2.5		SO_2		NO_X	
		Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
Compliance station											
1	Near NVBL Station	150	343	96	212	36	98	10.44	19.94	19.63	35.66
2	Near MDTP	177	369	95	240	30	90	10.24	23.04	23.49	38.47
3	Central Nursery	126	264	72	173	36	85	9.74	19.17	21.49	44.68
MoEF Standard 2000		500		250				120		120	
Reference Station											
1	CWS Colony, Meeti	98	224	50	166	21	75	8.56	23.09	18.23	41.65
NAAQS 2009 Standard				100		60		80		80	

AMBIENT AIR QUALITY DATA(NAAQS PARAMETER)

Monitoring Station	**Ozone (O_3) $\mu g/m^3$**		**Lead(Pb) $\mu g/m^3$**	**Arsenic(As) $\mu g/m^3$**	**Nickel(Ni) $\mu g/m^3$**	**Ammonia (NH_3)**
	Min	Max				
CWS Colony, Meeti	3.56	7.53	<0.1	<1.0	<1.0	<20.0
Standard	**180(hour)**		**1.0(24hours)**	**6.0(Annual)**	**20(Annual)**	**400(24hours)**

GROUND WATER LEVEL MONITORING DATA

Station No.	Date	Location	Depth of Water Level in m.bgl
1	27-11-2021	Rakash village well	3.61
	25-01-2022	Rakash village well	3.61

DRINKING WATER QUALITY DATA OCTOBER 2021 TO MARCH 2022

Monitoring Station	Balanda Colony Tap water		Jagannath Colony Tap water	Indian drinking standards IS-10500:2012	
				Acceptable	Permissible
Colour(Hazen)	Min	<1.0	<1.0	5	15
	Max	4	2		
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity (NTU)	Min	1	1	1	5
	Max	2	2		
pH	Min	6.16	6.38	6.5-8.5	No relaxation
	Max	7.83	7.71		
Total Alkalinity (mg/L)	Min	12	12	200	600
	Max	80	80		
Total Hardness (CaCO3)mg/L)	Min	48	56	200	600
	Max	264	268		
Iron(mg/L)	<0.1		<0.1	1.0	No relaxation
Chloride (mg/L)	Min	10	6	250	1000
	Max	61	14		
Total dissolve solid (mg/L)	Min	130	102	500	2000
	Max	452	421		
Calcium(mg/L)	Min	8.02	6.41	75	200
	Max	75.2	80		
Copper(mg/L)	Min	<0.03	<0.03	0.05	1.5
	Max	<0.04	<0.04		
Manganese (mg/L)	Min	<0.04	<0.04	0.1	0.3
	Max	0.23	<0.07		
Sulphate (mg/L)	Min	7.23	33.36	200	400
	Max	125	128		
Nitrate(mg/L)	Min	<0.5	<0.5	45	No relaxation
	Max	13.74	2.31		
Fluoride(mg/L)	Min	<0.30	<0.30	1	1.5
	Max	0.71	0.68		
Arsenic(mg/L)		<0.005	<0.005	0.01	No relaxation
Lead(mg/L)		<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	Min	<0.04	<0.04	5	15
	Max	0.81	2.18		
Total Chromium (mg/L)	Min	<0.01	<0.01	0.05	No relaxation
	Max	<0.01	<0.01		
Boron(mg/L)	Min	<0.1	<0.1	0.5	2.4
	Max	<0.2	<0.2		
Cadmium(mg/L)		<0.001	<0.001	0.003	No relaxation
MPN	Min	<1.8	<1.8		
	Max	20	13		
Residual free chlorine		<0.2	<0.2	0.2	1.0
Phenolics		<0.001	<0.001	0.001	0.002
Selenium		<0.005	<0.005	0.01	No relaxation

Annexure- III

cmpdi

A Mini Ratna Company

Piezometer Water Quality Data: Jagannath Area

Project / OCP	Jagannath OCP	Ananta OCP	Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Piezometer no. MTP 04, GW level, quantity & quality	Piezometer no. MTP 05, GW level, quantity & quality		
Dt. of Sampling	31-Jan-2022	31-Jan-2022	Acceptable	Permissible
Colour(Hazen)	8	9	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	2	4	1	5
pH	7.65	7.23	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	56	36	200	600
Total Hardness (Ca CO3)(mg/L)	60	56	200	600
Iron(mg/L)	<0.1	<0.1	0.3	No relaxation
Chloride(mg/L)	8	10	250	1000
Total Dissolve Solid(mg/L)	97	106	500	2000
Calcium(mg/L)	16	17.6	75	200
Copper(mg/L)	<0.03	<0.03	0.05	1.5
Manganese(mg/L)	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	1.75	18.9	200	400
Nitrate(mg/L)	<0.5	<0.5	45	No relaxation
Fluoride(mg/L)	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	0.01	0.05
Lead(mg/L)	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	<0.04	<0.04	5	15
Total Chromium (mg/L)	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.1	<0.1	0.5	1
Cadmium(mg/L)	<0.001	<0.001	0.003	No relaxation

Kattanaik

22/2/22

O. I. C.
Env. Lab
CMPDI, RI-VII
Bhubaneswar

cmpdi

A Mini Ratna Company

Piezometer Water Quality Data: Jagannath Area

Project / OCP	Jagannath OCP	Ananta OCP	Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Piezometer no. MTP 04, GW level, quantity & quality	Piezometer no. MTP 05, GW level, quantity & quality		
Date of Sampling	31-Jan-2022	31-Jan-2022	Acceptable	Permissible
MPN (Index/100ml)	<1.8	<1.8	-	-
Residual Free Chlorine (mg/L)	<0.2	<0.2	0.2	1
Phenolics (mg/L)	<0.001	<0.001	0.001	0.002
Selenium (mg/L)	<0.005	<0.005	0.01	No relaxation

Mattaraik

22/2/22

O. I. C.
Env. Lab
CMPDI, RI-VII
Bhubaneswar

Annexure- V

MAHANADI COALFIELDS LIMITED
महानदी कोलफील्ड्स लिमिटेड
ମହାନଦୀ କୋଲ ଫିଲ୍ଡସ ଲିମିଟେଡ

OFFICE OF THE PROJECT OFFICER
JAGANNATH COLLIERY
PO: BALANDA, DIST: ANGUL, ODISHA-759116
Tel: 06760-260212, 260458, 260321
email: jagannathcolliery@gmail.com
AN ISO 9001:2008 & 14001:2004 CERTIFIED PROJECT

Ref. No. PO/JNC/Safety/2021/ 5355 **Date.** 20.11.2021.

To

The Area Safety Officer,
Jagannath Area.

Dear Sir,

Enclosed please find herewith the Monthly Safety Report in respect of Jagannath Colliery for the month of **October-2021.** This is for your kind information and necessary action.

Yours faithfully,

29.11.21
Project Officer,
Jagannath Colliery.

Copy to:-

1. The General Manager (S&R), MCL, HQ.
2. The Project Manager, JNC.
3. The Safety Officer, JNC.
4. File.

CHECK SURVEY, JOINT SURVEY, UPDATED PLANS & CONNECTION WITH NATIONAL GRID

Name of mine.	Check survey Completed	Result of check survey	Last check survey Conducted on & with.	Last updated mine plans	Whether all working plans connected to National grid.
JNC	16.07.2008	O.K.	16.07.2008 With AOCP.	31.10.2021	Yes.

STATUS OF SURVEY INSTRUMENTS.

Name of Instrument	Nos. Required	On roll in the month.	Nos. in the working condition.	Nos. in out of order	Nos. in the maintenance	Remarks.
Theodolite	-	1	-	-	-	
Theodolite 1 second least count.						
Level	1	1	1	-	-	Replacement needed.
Dial	1	-	-	-	-	
Total Station.	1	-	-	-	-	

DUST SURVEY

Location /Machine	By-G.D.S	Dust Concentration	By-P.D.S	Dust Concentration	Quantity of Stone dust used In month.
Tata-1200 (New)	Nil	-	SKC-Side Kick Type	2.11mg/M^3.	-
Exc- 534	Nil	-	SKC-Side Kick Type	2.22mg/M^3.	
Drill J-5	Nil	-	SKC-Side Kick Type	2.30mg/M^3.	
TATA-1200(D) Ananta	Nil	-	SKC-Side Kick Type	2.3mg/M^3	-

BE-1000D Front	Nil	-	SKC-Side Kick Type	2.20mg/M^3.	
Drill- 783	Nil	-	SKC-Side Kick Type	2.10mg/M^3.	
FC W/B	Nil	-	SKC-Side Kick Type	2.2mg/M^3.	-
Sub. Substation Field	NIL		SKC-Side Kick Type	2.30mg/M^3.	
Dump Yard	Nil	-	SKC-Side Kick Type	2.2 mg/M^3.	
Work Shop	Nil	-	SKC-Side Kick Type	2.22mg/M^3.	-
FC CKT-I	Nil	-	SKC-Side Kick Type	2.41mg/M^3.	-
FC CKT-IV	Nil	-	SKC-Side Kick Type	2.32mg/M^3	
FC CKT-III	Nil	-	SKC-Side Kick Type	2.51mg/M^3	

NOISE SURVEY.

Location	Name of the instruments.	Unit in Decimal (dbA)	Present status.	Action taken to reduce noise level
Drill- J-5	CEM Sound Level Meter (Digital)	85 dbA	85.2	Ear Plug/Muff Provided -
Drill- IR-783	-do-	85 dbA	85.1	Ear Plug/Muff Provided
Drill- 784	-do-	85 dbA	84.6	-
Dozer- 651	-do-	85 dbA	85.4	Ear Plug/Muff Provided
Exc.- 534	-do-	85 dbA	85.3	Ear Plug/Muff Provided
Tata.- 1200(new)	-do-	85 dbA	85.4	-do-
Tata- 1200(D) Anata	-do-	85 dbA	85.6	-do-
FC Ckt- IV	-do-	85 dbA	85.6	Ear Plug/Muff Provided
FC Ckt- III	-do-	85 dbA	85.3	Ear Plug/Muff Provided
FC Ckt- I	-do-	85 dbA	85.3	-do-
BE 1000 D Font	-do-	85 dbA	85.1	Ear Plug/Muff Provided

Dumper-516	-do-	85 dbA	84.6	-
Dumper-575	-do-	85 dbA	85.4	-do-
Dumper-574	-do-	85 dbA	85.2	-do-

LIGHTING.

Location	Value in Unit…Lux.	Value as per Statute	Action taken if deficiency found	Present status
Exc-534 Face	25.1 V	25 V		
	15.3 H	15 H		
TATA- 1200D Ananta	25.2V	25 V		
	15.1H	15 H		
TATA- 1200D NEW	25.2 V	25 V		
	15.1H	15 H		
BE-1000 (D) (Front)	25.1 V	25 H		
	14.9H	15 V		
Haul Road	8.6H	10 H	Dumper	
			Tipper	
Coal Face	18.6V	25 V		
	13.8H	15 H		
CHP Sub-Stn.	50.3V	25 V		
	100.2 H	15 H		
CHP W/S	NA	50 V		
	NA	100 H		
CHP Stock	15.4V	15 V		
	15.5 H	15 H		
Rest Shelter	32.1H	30 H		
Village Chowk	33.6H	10 H		

MAHANADI COALFIELDS LIMITED
महानदी कोलफील्ड्स लिमिटेड
ମହାନଦୀ କୋଲ ଫିଲଡ୍ସ ଲିମିଟେଡ

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email: jagannathcolliery@gmail.com
AN ISO 9001:2008 & 14001:2004 CERTIFIED PROJECT

Ref. No. PO/JNC/Safety/2021/ 5715 Date. 27.12.2021.

To

The Area Safety Officer,
Jagannath Area.

Dear Sir,

Enclosed please find herewith the Monthly Safety Report in respect of Jagannath Colliery for the month of **November-2021.** This is for your kind information and necessary action.

Yours faithfully,

27.12.21
Project Officer,
Jagannath Colliery.

Copy to:-

1. The General Manager (S&R), MCL, HQ.
2. The Project Manager, JNC.
3. The Safety Officer, JNC.
4. File.

STATUS OF SURVEY INSTRUMENTS.

Name of Instrument	Nos. Required	On roll in the month.	Nos. in the working condition.	Nos. in out of order	Nos. in the maintenance	Remarks.
Theodolite	-	1	-	-	-	
Theodolite 1 second least count.						
Level	1	1	1	-	-	Replacement needed.
Dial	1	-	-	-	-	
Total Station.	1	-	-	-	-	

DUST SURVEY

Location /Machine	By-G.D.S	Dust Concentration	By-P.D.S	Dust Concentration	Quantity of Stone dust used In month.
Tata-1200 (New)	Nil	-	SKC-Side Kick Type	2.01mg/M^3.	-
Exc- 534	Nil	-	SKC-Side Kick Type	2.11mg/M^3.	
Drill J-5	Nil	-	SKC-Side Kick Type	2.10mg/M^3.	
Drill J-6	Nil	-	SKC-Side Kick Type	1.99mg/M^3.	
TATA-1200(D) Ananta	Nil	-	SKC-Side Kick Type	2.20mg/M^3	-
BE-1000D Front	Nil	-	SKC-Side Kick Type	2.01mg/M^3.	
Drill- 783	Nil	-	SKC-Side Kick Type	1.98mg/M^3.	
FC W/B	Nil	-	SKC-Side Kick Type	1.98mg/M^3.	-
Sub. Substation Field	NIL		SKC-Side Kick Type	1.99mg/M^3.	

Dump Yard	Nil	-	SKC-Side Kick Type	1.98 mg/M^3.	
Work Shop	Nil	-	SKC-Side Kick Type	1.99mg/M^3.	-
FC CKT-I	Nil	-	SKC-Side Kick Type	2.32mg/M^3.	-
FC CKT-IV	Nil	-	SKC-Side Kick Type	2.41mg/M^3	
FC CKT-III	Nil	-	SKC-Side Kick Type	2.20mg/M^3	

NOISE SURVEY.

Location	Name of the instruments.	Unit in Decimal (dbA)	Present status.	Action taken to reduce noise level
Drill- J-5	CEM Sound Level Meter (Digital)	85 dbA	84.8	--
Drill- IR-783	-do-	85 dbA	84.9	--
Drill- 784	-do-	85 dbA	85.1	Ear Plug/Muff Provided
Dozer- 651	-do-	85 dbA	85.4	Ear Plug/Muff Provided
Exc.- 534	-do-	85 dbA	85.2	Ear Plug/Muff Provided
Tata.- 1200(new)	-do-	85 dbA	85.1	-do-
Tata- 1200(D) Anata	-do-	85 dbA	85.3	-do-
FC Ckt- IV	-do-	85 dbA	84.9	Ear Plug/Muff Provided
FC Ckt- III	-do-	85 dbA	84.8	Ear Plug/Muff Provided
FC Ckt- I	-do-	85 dbA	85.1	-do-
BE 1000 D Font	-do-	85 dbA	85.1	Ear Plug/Muff Provided
Dumper-516	-do-	85 dbA	84.8	-
Dumper-575	-do-	85 dbA	85.7	-do-
Dumper-574	-do-	85 dbA	85.4	-do-

MAHANADI COALFIELDS LIMITED
महानदी कोलफील्ड्स लिमिटेड
ମହାନଦୀ କୋଲ ଫିଲ୍ଡସ ଲିମିଟେଡ

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Tel: 06760-260212, 260458, 260321
email: jagannathcolliery@gmail.com
AN ISO 9001:2008 & 14001:2004 CERTIFIED PROJECT

Ref. No. PO/JNC/Safety/2022/328

Date: 26 .01.2022.

To

The Area Safety Officer,
Jagannath Area.

Dear Sir,

Enclosed please find herewith the Monthly Safety Report in respect of Jagannath Colliery for the month of **December-2021.** This is for your kind information and necessary action.

Yours faithfully,

25.1.22

Project Officer,
Jagannath Colliery.

Copy to:-

1. The General Manager (S&R), MCL, HQ.
2. The Project Manager, JNC.
3. The Safety Officer, JNC.
4. File.

CHECK SURVEY, JOINT SURVEY, UPDATED PLANS & CONNECTION WITH NATIONAL GRID

Name of mine.	Check survey Completed	Result of check survey	Last check survey Conducted on & with.	Last updated mine plans	Whether all working plans connected to National grid.
JNC	16.07.2008	O.K.	16.07.2008 With AOCP.	31.10.2021	Yes.

STATUS OF SURVEY INSTRUMENTS.

Name of Instrument	Nos. Required	On roll in the month.	Nos. in the working condition.	Nos. in out of order	Nos. in the maintenance	Remarks.
Theodolite	-	1	-	-	-	
Theodolite 1 second least count.						
Level	1	1	1	-	-	Replacement needed.
Dial	1	-	-	-	-	
Total Station.	1	-	-	-	-	

DUST SURVEY

Location /Machine	By-G.D.S	Dust Concentration	By-P.D.S	Dust Concentration	Quantity of Stone dust used In month.
Tata-1200 (New)	Nil	-	SKC-Side Kick Type	1.95/M^3.	-
Exc- 534	Nil	-	SKC-Side Kick Type	1.99mg/M^3.	
Drill J-5	Nil	-	SKC-Side Kick Type	1.95mg/M^3.	
Drill J-6	Nil	-	SKC-Side Kick Type	1.95mg/M^3.	
TATA-1200(D) Ananta	Nil	-	SKC-Side Kick Type	1.98mg/M^3	-

BE-1000D Front	Nil	-	SKC-Side Kick Type	1.99mg/M^3.	
Drill- 783	Nil	-	SKC-Side Kick Type	1.93mg/M^3.	
FC W/B	Nil	-	SKC-Side Kick Type	1.95mg/M^3.	-
Sub. Substation Field	NIL		SKC-Side Kick Type	1.95mg/M^3.	
Dump Yard	Nil	-	SKC-Side Kick Type	1.95 mg/M^3.	
Work Shop	Nil	-	SKC-Side Kick Type	2.01mg/M^3.	-
FC CKT-I	Nil	-	SKC-Side Kick Type	2.01mg/M^3.	-
FC CKT-IV	Nil	-	SKC-Side Kick Type	2.10mg/M^3	
FC CKT-III	Nil	-	SKC-Side Kick Type	2.11mg/M^3	

NOISE SURVEY.

Location	Name of the instruments.	Unit in Decimal (dbA)	Present status.	Action taken to reduce noise level
Drill- J-5	CEM Sound Level Meter (Digital)	85 dbA	84.5	--
Drill- IR-783	-do-	85 dbA	84.4	--
Drill- 784	-do-	85 dbA	84.9	Ear Plug/Muff Provided
Dozer- 651	-do-	85 dbA	85.4	Ear Plug/Muff Provided
Exc.- 534	-do-	85 dbA	85.2	Ear Plug/Muff Provided
Tata.- 1200(new)	-do-	85 dbA	84.9	-do-
Tata- 1200(D) Anata	-do-	85 dbA	85.1	-do-
FC Ckt- IV	-do-	85 dbA	84.9	Ear Plug/Muff Provided
FC Ckt- III	-do-	85 dbA	84.8	Ear Plug/Muff Provided
FC Ckt- I	-do-	85 dbA	85.1	-do-
BE 1000 D Font	-do-	85 dbA	85.3	Ear Plug/Muff Provided
Dumper-516	-do-	85 dbA	84.5	-
Dumper-575	-do-	85 dbA	85.9	-do-
Dumper-574	-do-	85 dbA	85.9	-do-

MAHANADI COALFIELDS LIMITED
महानदी कोलफील्ड्स लिमिटेड
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OFFICE OF THE PROJECT OFFICER
JAGANNATH COLLIERY
PO: BALANDA, DIST: ANGUL, ODISHA-759116
Tel: 06760-260212, 260458, 260321
email: jagannathcolliery@gmail.com
AN ISO 9001:2008 & 14001:2004 CERTIFIED PROJECT

Ref. No. PO/JNC/Safety/2022/ 696 **Date.** 23 **.02.2022.**

To

The Area Safety Officer,
Jagannath Area.

Dear Sir,

Enclosed please find herewith the Monthly Safety Report in respect of Jagannath Colliery for the month of **January-2022.** This is for your kind information and necessary action.

Yours faithfully,

23.2.22

Project Officer,
Jagannath Colliery.

Copy to:-

1. The General Manager (S&R), MCL, HQ.
2. The Project Manager, JNC.
3. The Safety Officer, JNC.
4. File.

DUST SURVEY

Location /Machine	By-G.D.S	Dust Concentration	By-P.D.S	Dust Concentration	Quantity of Stone dust used In month.
Tata-1200 (New)	Nil	-	SKC-Side Kick Type	1.57/M^3.	-
Exc- 534	Nil	-	SKC-Side Kick Type	1.58mg/M^3.	
Drill J-5	Nil	-	SKC-Side Kick Type	1.53mg/M^3.	
Drill J-6	Nil	-	SKC-Side Kick Type	1.58mg/M^3.	
TATA-1200(D) Ananta	Nil	-	SKC-Side Kick Type	1.58mg/M^3	-
BE-1000D Front	Nil	-	SKC-Side Kick Type	1.54mg/M^3.	
Drill- 783	Nil	-	SKC-Side Kick Type	1.63mg/M^3.	
FC W/B	Nil	-	SKC-Side Kick Type	1.49mg/M^3.	-
Sub. Substation Field	NIL		SKC-Side Kick Type	1.43mg/M^3.	
Dump Yard	Nil	-	SKC-Side Kick Type	1.53 mg/M^3.	
Work Shop	Nil	-	SKC-Side Kick Type	1.54/M^3.	-
FC CKT-I	Nil	-	SKC-Side Kick Type	1.84 mg/M^3.	-
FC CKT-IV	Nil	-	SKC-Side Kick Type	1.72mg/M^3	
FC CKT-III	Nil	-	SKC-Side Kick Type	1.59mg/M^3	

NOISE SURVEY.

Location	Name of the instruments.	Unit in Decimal (dbA)	Present status.	Action taken to reduce noise level
Drill- J-5	CEM Sound Level Meter (Digital)	85 dbA	84.9	--
Drill- IR-783	-do-	85 dbA	84.8	--
Drill- 784	-do-	85 dbA	85.1	Ear Plug/Muff Provided
Dozer- 651	-do-	85 dbA	84.8	-

Exc.- 534	-do-	85 dbA	85.1	Ear Plug/Muff Provided
Tata.- 1200(new)	-do-	85 dbA	84.4	-
Tata- 1200(D) Anata	-do-	85 dbA	84.9	-
FC Ckt- IV	-do-	85 dbA	84.9	-
FC Ckt- III	-do-	85 dbA	84.9	-
FC Ckt- I	-do-	85 dbA	84.6	-do-
BE 1000 D Font	-do-	85 dbA	84.9	Ear Plug/Muff Provided
Dumper-516	-do-	85 dbA	84.9	-
Dumper-575	-do-	85 dbA	85.1	Ear Plug/Muff Provided
Dumper-574	-do-	85 dbA	84.5	-

LIGHTING.

Location	Value in Unit…Lux.	Value as per Statute	Action taken if deficiency found	Present status
Exc-534 Face	25.4 V	25 V		
	15.4 H	15 H		
TATA- 1200D Ananta	25.2V	25 V		
	15.5H	15 H		
TATA- 1200D NEW	24.9 V	25 V		
	15.4H	15 H		
BE-1000 (D) (Front)	25.5 V	25 H		
	15.3H	15 V		
Haul Road	8.9 H	10 H	Dumper	
			Tipper	
Coal Face	18.4V	25 V		
	14.1H	15 H		
CHP Sub-Stn.	49.5V	25 V		
	100.4 H	15 H		
CHP W/S	NA	50 V		
	NA	100 H		
CHP Stock	15.8V	15 V		
	15.6 H	15 H		
Rest Shelter	32.9H	30 H		
Village Chowk	39.4H	10 H		

MAHANADI COALFIELDS LIMITED
महानदी कोलफील्ड्स लिमिटेड
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OFFICE OF THE PROJECT OFFICER
JAGANNATH COLLIERY
PO: BALANDA, DIST: ANGUL, ODISHA 759116
Tel: 06760-260212, 260458, 260321
email: jagannathcolliery@gmail.com
AN ISO 9001:2008 & 14001:2004 CERTIFIED PROJECT

Ref. No. PO/JNC/Safety/2022/ 1077 **Date.**27.03.2022.

To

The Area Safety Officer,
Jagannath Area.

Dear Sir,

Enclosed please find herewith the Monthly Safety Report in respect of Jagannath Colliery for the month of **February-2022.** This is for your kind information and necessary action.

Yours faithfully,

27.3.22
Project Officer,
Jagannath Colliery.

Copy to:-

1. The General Manager (S&R), MCL, HQ.
2. The Project Manager, JNC.
3. The Safety Officer, JNC.
4. File.

DUST SURVEY

Location /Machine	By-G.D.S	Dust Concentration	By-P.D.S	Dust Concentration	Quantity of Stone dust used In month.
Tata-1200 (New)	Nil	-	SKC-Side Kick Type	1.38/M^3.	-
Exc- 534	Nil	-	SKC-Side Kick Type	1.44mg/M^3.	
Drill J-5	Nil	-	SKC-Side Kick Type	1.33mg/M^3.	
Drill J-6	Nil	-	SKC-Side Kick Type	1.36mg/M^3.	
TATA-1200(D) Ananta	Nil	-	SKC-Side Kick Type	1.38mg/M^3	-
BE-1000D Front	Nil	-	SKC-Side Kick Type	1.42mg/M^3.	
Drill- 783	Nil	-	SKC-Side Kick Type	1.39mg/M^3.	
FC W/B	Nil	-	SKC-Side Kick Type	1.41mg/M^3.	-
Sub. Substation Field	NIL		SKC-Side Kick Type	1.29mg/M^3.	
Dump Yard	Nil	-	SKC-Side Kick Type	1.41 mg/M^3.	
Work Shop	Nil	-	SKC-Side Kick Type	1.34/M^3.	-
FC CKT-I	Nil	-	SKC-Side Kick Type	1.61 mg/M^3.	-
FC CKT-IV	Nil	-	SKC-Side Kick Type	1.58mg/M^3	
FC CKT-III	Nil	-	SKC-Side Kick Type	1.47mg/M^3	

NOISE SURVEY.

Location	Name of the instruments.	Unit in Decimal (dbA)	Present status.	Action taken to reduce noise level
Drill- J-5	CEM Sound Level Meter (Digital)	85 dbA	84.9	--
Drill- IR-783	-do-	85 dbA	84.6	--
Drill- 784	-do-	85 dbA	85.1	-
Dozer- 651	-do-	85 dbA	84.4	Ear Plug/Muff Provided -
Exc.- 534	-do-	85 dbA	84.9	-
Tata.- 1200(new)	-do-	85 dbA	84.8	-
Tata- 1200(D) Anata	-do-	85 dbA	84.5	-
FC Ckt- IV	-do-	85 dbA	84.7	Ear Plug/Muff Provided
FC Ckt- III	-do-	85 dbA	84.4	Ear Plug/Muff Provided
FC Ckt- I	-do-	85 dbA	84.9	Ear Plug/Muff Provided
BE 1000 D Font	-do-	85 dbA	84.2	-
Dumper-516	-do-	85 dbA	84.5	-
Dumper-575	-do-	85 dbA	84.6	Ear Plug/Muff Provided
Dumper-574	-do-	85 dbA	84.8	-

LIGHTING.

Location	Value in Unit…Lux.	Value as per Statute	Action taken if deficiency found	Present status
Exc-534 Face	25.6 V	25 V		
	15.6 H	15 H		
TATA- 1200D Ananta	25.2V	25 V		
	14.9H	15 H		
TATA- 1200D NEW	25.1 V	25 V		
	15.3H	15 H		
BE-1000 (D) (Front)	24.8 V	25 H		
	15.2H	15 V		
Haul Road	8.9 H	10 H	Dumper	
			Tipper	
Coal Face	18.2V	25 V		
	14.2H	15 H		
CHP Sub-Stn.	50.1V	25 V		
	100.2 H	15 H		
CHP W/S	NA	50 V		
	NA	100 H		
CHP Stock	15.6V	15 V		
	15.7H	15 H		

MAHANADI COALFIELDS LIMITED
महानदी कोलफील्ड्स लिमिटेड
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An ISO 9001:2008 & 14001:2004 CERTIFIED PROJECT

MCL

Ref. No. PO/JNC/Safety/2022/ 1488 Date: 25 .04.2022.

To

The Area Safety Officer,
Jagannath Area.

Dear Sir,

Enclosed please find herewith the Monthly Safety Report in respect of Jagannath Colliery for the month of **March-2022.** This is for your kind information and necessary action.

Yours faithfully,

25.4.22
Project Officer,
Jagannath Colliery.

Copy to:-

1. The General Manager (S&R), MCL, HQ.
2. The Project Manager, JNC.
3. The Safety Officer, JNC.
4. File.

DUST SURVEY

Location /Machine	By-G.D.S	Dust Concentration	By-P.D.S	Dust Concentration	Quantity of Stone dust used In month.
Tata-1200 (New)	Nil	-	SKC-Side Kick Type	1.28/M^3.	-
Tata-1200 (M)	Nil	-	SKC-Side Kick Type	1.26mg/M^3.	
Drill J-5	Nil	-	SKC-Side Kick Type	1.21mg/M^3.	
Drill J-6	Nil	-	SKC-Side Kick Type	1.24mg/M^3.	
TATA-1200(D) Ananta	Nil	-	SKC-Side Kick Type	1.23mg/M^3	-
BE-1000D Front	Nil	-	SKC-Side Kick Type	1.21mg/M^3.	
Drill- 783	Nil	-	SKC-Side Kick Type	1.28mg/M^3.	
FC W/B	Nil	-	SKC-Side Kick Type	1.29mg/M^3.	-
Sub. Substation Field	NIL		SKC-Side Kick Type	1.19mg/M^3.	
Dump Yard	Nil	-	SKC-Side Kick Type	1.24 mg/M^3.	
Work Shop	Nil	-	SKC-Side Kick Type	1.20/M^3.	-
FC CKT-I	Nil	-	SKC-Side Kick Type	1.26 mg/M^3.	-
FC CKT-IV	Nil	-	SKC-Side Kick Type	1.28mg/M^3	
FC CKT-III	Nil	-	SKC-Side Kick Type	1.26mg/M^3	

NOISE SURVEY.

Location	Name of the instruments.	Unit in Decimal (dbA)	Present status.	Action taken to reduce noise level
Drill- J-5	CEM Sound Level Meter (Digital)	85 dbA	84.6	--
Drill- IR-783	-do-	85 dbA	84.9	--
Drill- 784	-do-	85 dbA	85.4	Ear Plug/Muff Provided
Dozer- 651	-do-	85 dbA	84.7	-
Exc.- 534	-do-	85 dbA	85.4	Ear Plug/Muff Provided
Tata.- 1200(new)	-do-	85 dbA	84.4	-
Tata- 1200(D) Anata	-do-	85 dbA	84.8	-
FC Ckt- IV	-do-	85 dbA	84.3	
FC Ckt- III	-do-	85 dbA	84.9	
FC Ckt- I	-do-	85 dbA	84.6	
BE 1000 D Font	-do-	85 dbA	85.2	Ear Plug/Muff Provided -
Dumper-516	-do-	85 dbA	84.6	-
Dumper-575	-do-	85 dbA	84.2	
Dumper-574	-do-	85 dbA	84.4	-

LIGHTING.

Location	Value in Unit…Lux.	Value as per Statute	Action taken if deficiency found	Present status
Exc-534 Face	25.1V	25 V		
	15.4H	15 H		
TATA- 1200D Ananta	25.2V	25 V		
	15.6H	15 H		
TATA- 1200D NEW	25.5 V	25 V		
	15.2H	15 H		
BE-1000 (D) (Front)	25.6 V	25 H		
	15.2H	15 V		
Haul Road	8.4 H	10 H	Dumper	
			Tipper	
Coal Face	19.1V	25 V		
	14.9H	15 H		
CHP Sub-Stn.	50.7V	25 V		
	100.9 H	15 H		
CHP W/S	NA	50 V		
	NA	100 H		
CHP Stock	15.6V	15 V		
	15.7H	15 H		