

## PAUNI II EXPANSION OC

**Amendment in EC ref no:J-11015/80/2016-IA.II(M) dated  
01/12/2020**

S.no	Condition	Compliance
i	PP shall implement off pit conveyor system i.e. from Coal Handling Plant to railway siding with silo loading facility in 3 years (i.e. 2023).	Noted. CHP hasn't been constructed yet. Mobile crusher has been provided. Coal Handling Plant (CHP) will be constructed for the crushing of coal. Work of construction of CHP at Pauni II Expansion OC is in estimation stage. Coal is sent through tarpaulin covered trucks.

**EC ref no:J-11015/80/2016-IA.II(M) dated 13/03/2020**

S. no	Condition	Compliance
i	EAC desired that the MoC may direct CIL subsidiaries to comply the EC/FC/CTO conditions strictly within certain time bound manner so that the mining operations will be environmentally sustainable/viable etc	<p>EC/CTO conditions are being complied strictly.</p> <p>Summary of some important EC/CTO conditions given below:</p> <p>Consent to operate under Air &amp; Water Act is granted for additional capacity 3.25 MTPA up to 31.03.2023 vide consent no. FORMAT 1.0/CAC/UAN no. 0000135348/CR 2211000391. Renewal application is submitted vide UAN no.MPCB-CONSENT-0000166167 dated 24.03.2023. Application is under process at MPCB. <b>Copy of same is enclosed as Annexure A.</b></p> <p>CGWA NOC for abstraction of groundwater has been obtained which is valid from 30/09/2019 to 29/09/2021. Further renewal application is been submitted and under final stage of approval. <b>Copy of same is enclosed as Annexure B.</b></p> <p>Sedimentation tank is provided for treatment of mine water discharge and ETP of capacity 150 KLD is provided. Dust suppression measures like mobile water tankers, rain guns are provided at dust generating sources.</p> <p>Till date, 1,26,000 nos. of plantation has been already done in and around the project area.</p> <p>Rooftop Rain water harvesting system has been provided at Manager office.</p> <p>At project, CAAQMS system is already set up at</p>

		Pauni II Expansion OC project for Continuous ambient air quality monitoring in and around the project.
ii	All the partially complied condition observed by Ministry's Regional Office in certified compliance report dated 5th December, 2019 shall be completed in 3 years.	Noted and all the partially complied conditions observed by Ministry's Regional Office in certified compliance report dated 5th December, 2019 have been complied. <b>Copy of same is enclosed as Annexure C.</b>

iii	PP shall implement in-pit belt conveyor system in next 3 years from the issue of this letter.	This condition has been changed/amended as per EC amendment ref no:J-11015/80/2016-IA.II(M) dated 01/12/2020.			
v	Project proponent to plant 100,000 nos. of native trees with broad leaves along the periphery of the mine to prevent the effect of air pollution in 3 years of the issue of this letter. After completion of tree plantation, number of trees shall be duly endorsed from District Forest Officer	Plantation details are as follows:			
		Sr no	Year	Plantation (Nos.)	Area (Ha)
		1	2017-18	25000	10.0
		2	2020-21	31000	12.4
		3	2021-22	20000	7.48
		4	2022-23	50000	20.0
		TOTAL		126000	49.88
		Afforestation land use as per EMP at the end of mine life is as below:			
		Sr no.	Location	Plantation (Ha)	
		1	External OB dump	214.57	
		2	Top soil Dump	35.4	
		3	Land reclaimed after re- handling of Top soil	58.93	
		4	Excavation	107.00	
		5	Roads	0.50	
6	Built up area	3.00			
7	Undisturbed area	350.00			

v	<p>The Project Proponent shall comply with all the statutory requirements and 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. State Government shall ensure that the entire compensation levied, if any, for illegal mining paid by the Project Proponent through their respective Department in strict compliance of judgment of Hon'ble Supreme Court dated the 21R August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India and Ors.</p>	<p>The mine has started its operation in FY 16-17 and at present is in its 7<sup>th</sup> year of operation. The life of mine is 10 yrs. The progress of mining activities are being carried out as per approved mining plan.</p> <p>Year wise production details are as follows:</p> <table border="1" data-bbox="834 373 1484 814"> <thead> <tr> <th>Year</th><th>Production (MTPA)</th><th>EC Capacity (MTPA)</th></tr> </thead> <tbody> <tr> <td>2016-17</td><td>0.51</td><td>0.60</td></tr> <tr> <td>2017-18</td><td>0.306</td><td>0.60</td></tr> <tr> <td>2018-19</td><td>0.599</td><td>0.60</td></tr> <tr> <td>2019-20</td><td>2.105</td><td>3.25</td></tr> <tr> <td>2020-21</td><td>2.8</td><td>3.25</td></tr> <tr> <td>2021-22</td><td>3.249</td><td>3.25</td></tr> <tr> <td>2022-23</td><td>3.25</td><td>3.25</td></tr> </tbody> </table> <p>As per the above details, there is no violation in the coal production, from the commencement of the mine.</p>	Year	Production (MTPA)	EC Capacity (MTPA)	2016-17	0.51	0.60	2017-18	0.306	0.60	2018-19	0.599	0.60	2019-20	2.105	3.25	2020-21	2.8	3.25	2021-22	3.249	3.25	2022-23	3.25	3.25
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vi	<p>Project Proponent shall obtain the necessary prior permission from the Central Ground Water Authority (CGWA) in case of intersecting the Ground water table. The intersecting ground water table can only be commencing after conducting detailed hydrogeological study and necessary permission from the CGWA. The Report on six monthly basis on changes in Ground water level and quality shall be submitted to the Regional Office of the Ministry, CGWA and State Pollution Control Board.</p>	<p>CGWA NOC for abstraction of groundwater has been obtained which is valid from 30/09/2019 to 29/09/2021. Further renewal application is been submitted to CGWA, and under final stage of approval. <b>Copy of same is enclosed as Annexure B.</b></p>																								
vii	<p>Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical examination of the workers engaged in the Project and maintain records accordingly; also, Occupational health check-ups for workers having some ailments like BP, diabetes, habitual smoking, etc. shall be undertaken once in six months and necessary remedial/preventive measures taken accordingly. The Recommendations of National Institute for ensuring good occupational environment for mine workers</p>	<p>Personal working in dusty areas are provided with dust masks. Periodical health check-up of mine workers are carried out once in 5 years with the purpose of detecting occupational diseases &amp; hearing impairment.</p> <p>Every worker in the mine is examined in 5 years-up to the age of 45 and the workers who are above 50 years are subjected to periodic medical examination at two and a half years interval.</p> <p>Area Hospital in WCL Ballarpur Area is a 25 bedded hospital with qualified doctors.</p> <p>Infrastructure available in the Hospital are Spirometry instrument, ECG machine,</p>																								

	shall be implemented; The prevention measure for burns, malaria and provision of antsnake venom including all other paramedical safeguards may be ensured before initiating the mining activities.	<p>Audiometer, X-ray machine, Blood testing apparatus, Eco friendly generator etc. At present, since opening no such occupational diseases and or hearing impairment has been recorded. The prevention measure for burns, malaria and provision of antsnake venom are ensured.</p> <p>Details of IME and PME done <b>at Ballarpur Area</b> is given below:</p> <table><tr><th>Year</th><th>IME (in nos.)</th><th colspan="2">PME (in nos.)</th></tr><tr><td></td><td>Acheived</td><td>Target</td><td>Acheived</td></tr><tr><td>2021</td><td>953</td><td>1220</td><td>1425</td></tr><tr><td>2022</td><td>857</td><td>1220</td><td>1216</td></tr></table> <p>Details of IME and PME done <b>at Pauni II project</b> is given below:</p> <table><tr><th>Year</th><th>IME (in nos.)</th><th colspan="2">PME (in nos.)</th></tr><tr><td></td><td>Acheived</td><td>Target</td><td>Acheived</td></tr><tr><td>2021</td><td>369</td><td>12</td><td>55</td></tr><tr><td>2022</td><td>222</td><td>12</td><td>50</td></tr></table>	Year	IME (in nos.)	PME (in nos.)			Acheived	Target	Acheived	2021	953	1220	1425	2022	857	1220	1216	Year	IME (in nos.)	PME (in nos.)			Acheived	Target	Acheived	2021	369	12	55	2022	222	12	50
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viii	Project Proponent shall follow the mitigation measures provided in Office Memorandum No. Z-1 1013/57/2014-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 lease area".	The project proponent is adhering to the mitigation measures as per the guideline specific under the title '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' OM No.Z11013/5712014- IA.II (M) dated 29th October, 2014.																																
ix	The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operations. Habitations have a right for darkness and minimal noise levels at night. PPs must ensure that the biological clock of the villages is not disturbed; by orienting the floodlights! masks away from the villagers and keeping the noise levels well within the prescribed limits for day light/night hours.	The lighting arrangements in the mine are oriented away from the village and there is no disturbance to the villagers due to the lighting inside in the mine. Illumination in mine is maintained as per guidelines of CMR 2017. Sound level during both day and night are found under permissible limits. <b>Copy of same is enclosed as Annexure D.</b>																																

x	The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered fauna, if any, spotted in the study area. Action plan for conservation of flora and fauna shall be prepared and implemented in consultation with the State Forest and Wildlife Department. A copy of action plan shall be submitted to the Ministry of Environment, Forest and Climate Change and its Regional Office.	A survey has been conducted by CMPDI on existing flora and fauna in post monsoon period of 2016. No endangered, endemic species of flora and fauna found in both core and buffer zones. No migratory fauna found in both core and buffer zones. As such no conservation plan is required. <b>Copy of same is enclosed as Annexure E.</b>		
xi	Hon'ble Supreme Court in an Writ Petition(s) Civil No. 114/2014, Common Cause vs Union of India & Ors vide its judgement dated 8th January, 2020 has directed the Union of India to impose a condition in the mining lease and a similar condition in the environmental clearance and the mining plan to the effect that the mining lease holders shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. Compliance of this condition after the mining activity is over at the cost of the mining lease holders/Project Proponent". The implementation report of the above said condition shall be sent to the Regional Office of the Ministry	Noted and will be complied. Afforestation plan will be as per EMP. Afforestation land use as per EMP at the end of mine life is as below:		
		Sr no.	Location	Plantation (Ha)
		1	External OB dump	214.57
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		4	Excavation	107.00
		5	Roads	0.50
		6	Built up area	3.00
		7	Undisturbed area	350.00
xii	PP shall not divert proposed nallah till it justifies the reason of diversion	Agreement for flood study of diversion of Sakhari nallah into Pauni nallah has been signed on 18/11/2021.		

xiii	PP shall ensure regular water supply to the nearest villages.	Excess water from Sedimentation tank of Pauni II Expansion OC is sent to pond at Sakhari Village based on requirement after treatment through pressure filter and availability of water in pond is ensured throughout the year and it also helps in recharging the ground water levels in the surrounding areas of the mine.																										
xiv	CTE/CTO for the project shall be obtained from the SPCB as required under the Air (Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974, and the SPCB shall follow the mechanism/protocol issued by the Ministry vide letter no. Q- 16017/38/2018-CPA dated 24th October, 2019 while issuing the CTE/CTO for the project, for improvement of environmental quality in the area.	Complied. Consent to operate under Air &Water Act is granted for additional capacity 3.25 MTPA up to 31.03.2023 vide consent no. FORMAT 1.0/CAC/UAN no. 0000135348/CR 2211000391. Renewal appliction is submitted vide UAN no.MPCB-CONSENT-0000166167 dated 24.03.2023. Application is under process at MPCB. <b>Copy of same is enclosed as Annexure A.</b>																										
xv	The green belt of at least 5-10 m width shall be developed in more than 40% of the total project area, mainly along the periphery of mine boundary, in downward wind direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department.	Plantation details are as follows: <table><tr><th>Sr no</th><th>Year</th><th>Plantation (Nos.)</th><th>Area (Ha)</th></tr><tr><td>1</td><td>2017-18</td><td>25000</td><td>10.0</td></tr><tr><td>2</td><td>2020-21</td><td>31000</td><td>12.4</td></tr><tr><td>3</td><td>2021-22</td><td>20000</td><td>7.48</td></tr><tr><td>4</td><td>2022-23</td><td>50000</td><td>20.0</td></tr><tr><td colspan="2">TOTAL</td><td>126000</td><td>49.88</td></tr></table>			Sr no	Year	Plantation (Nos.)	Area (Ha)	1	2017-18	25000	10.0	2	2020-21	31000	12.4	3	2021-22	20000	7.48	4	2022-23	50000	20.0	TOTAL		126000	49.88
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xvi	In addition, the project proponent shall develop greenbelt outside the plant premises such as avenue plantation, plantation in vacant areas, social forestry etc.	Distribution of plants has been done in nearby villages outside leasehold area for plantation(Sasti, Babapur, Rampur, Dhoptala, Gouri, Ballarpur Nagar Parishad) details for last 2 years are as follows: <table><tr><th>Year</th><th>Distribution (nos)</th></tr><tr><td>2018-19</td><td>14000</td></tr><tr><td>2019-20</td><td>20000</td></tr><tr><td>2020-21</td><td>3600</td></tr><tr><td>2021-22</td><td>1000</td></tr></table>			Year	Distribution (nos)	2018-19	14000	2019-20	20000	2020-21	3600	2021-22	1000														
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xvii	Monitoring of compliance of EC conditions may be submitted with third party audit every year.	NEERI has conducted the third party in FY 2021-22. Copy of same is enclosed as <b>Annexure G</b> .
xviii	The percentage the CER may/se atleast 2 times the amount given in the OM dated 1st May, 2018 recommended by the EAC and item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office.	As per the OM dated 01/05/2018, 0.75% of additional capital investment will be re-appropriated from other heads in Project Report against Corporate Environment Responsibility. <b>Copy of same is enclosed as Annexure H.</b>
xix	Effective fugitive emission control measures should be imposed in the process, transportation, packing etc.	Adequate mitigation measures have been put in place at various dust generating sources to control dust and other fugitive emissions. The details of existing systems are as follows: 10 nos of rain guns installed at coal stock. 8 nos rainguns installed at weighbridge. Portable sprinklers with flexible pipes are provided at coal stock yard for dust suppression. 1 hired mobile water tankers of capacity 4 KL are in operation along with 2 no. departmental of 9 KL and 28 KL each. Plantation of 126000 has been done along periphery of mine will also acts as a natural barrier against dust.
xx	Transportation of materials by rail/conveyor belt, wherever feasible.	80 % (approx.) of coal produced from the Pauni II Expansion OC is dispatched through rail mode. Only 20% of coal is dispatched via road.
xxi	A detailed water harvesting plan may be submitted by the project proponent	Roof top rain water harvesting system has been completed for Manager Office of Pauni II Expansion OC. Excess mine water from Sedimentation tank after treatment through pressure filter is used to recharge pond at Sakhari village. In addition to the same, work is awarded for new sedimentation pond at project.
xxii	In case, domestic waste water generation is more than 10 KLD, the industry may install STP.	Exiting manpower is accommodated in Sasti township where 1 MLD STP is in operation. Septic tanks are in place for the domestic waste water in offices. STP will be constructed based on requirement in future.

xxiii	Monitoring of compliance of EC conditions may be submitted with third party audit - every year	NEERI has conducted the third party in FY 21-22. <b>Copy of same is enclosed as Annexure G.</b>
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Environmental Clearance No.J/11015/80/2016/IA.II (M)

Dated: 28.03.2019

Sr.N	Conditions	Compliance
01	The project proponent shall collect and analyze one season data for environmental parameters and submit for consideration of the EAC before <sup>st</sup> 31 December, 2019.	Complied. Results submitted to EAC.
02	The project proponent shall obtain Consent to establish from State Pollution Control Boards for the proposed peak capacity of 3.25 MTPA prior to commencement of the increased production.	Complied. Consent to operate under Air & Water Act is granted for additional capacity 3.25 MTPA up to 31.03.2023 vide consent no. FORMAT 1.0/CAC/UAN no. 0000135348/CR 2211000391. Renewal application is submitted vide UAN no.MPCB-CONSENT-0000166167 dated 24.03.2023. Application is under process at MPCB. <b>Copy of same is enclosed as Annexure A.</b>
03	Transportation of coal from coal face to coal heap shall be carried out by trucks. Further coal transportation from coal heap to coal handling plant shall be through covered trucks.	Complied. Transportation of coal from coal face to coal heap is carried out by trucks. Coal transportation from coal heap to coal handling plant is done through tarpaulin covered trucks.
04	To control the production of dust at source, the crusher and in-pit belt conveyors shall be provided by mist type sprinklers.	CHP hasn't been constructed yet. Mobile crusher has been provided. Adequate dust suppression arrangement will be put into operation once it comes up. At present coal from Pauni II Expansion OC is crushed in Gouri I&II(A) OC CHP premises. Dust suppression measures at Gouri are 3 nos departmental mobile tankers with capacity 28 KL each and 1 no. hired tanker with capacity 12 KL. 9 nos of sprinklers are installed at CHP in Gouri I&II(A) OC . Dust suppression measures at Pauni II Expansion OC are 10 nos of rain guns installed at coal stock. 8 nos rainguns installed at weighbridge. Portable sprinklers with flexible pipes are provided at coal stock yard for dust suppression. Work awarded for Additionally, Trolley mounted or fixed mist/fogger system and Truck mounted fogger system is proposed at project in FY 2022-23. As on date, 1 hired mobile water tankers of capacities 4 KL and 2 no. contractual 28 KL and 9 KL of capacity are in operation.

05	<p>Mitigating measures shall be undertaken to control dust and other fugitive emissions all along the roads by providing sufficient water sprinklers.</p> <p>Adequate corrective measures shall be undertaken to control dust emissions, which would include mechanized sweeping, water sprinkling/mist spraying on haul roads and loading sites, long range misting/fogging arrangements, wind barrier wall and vertical greenery system, greenbelt, dust suppression arrangement at railway siding, etc.</p>	<p>Adequate mitigation measures have been put in place at various dust generating sources to control dust and other fugitive emissions. The details of existing systems are as follows: 10 nos of rain guns installed at coal stock. 8 nos rainguns installed at weighbridge. Portable sprinklers with flexible pipes are provided at coal stock yard for dust suppression. Work awarded for Additional 10 nos rainguns to be installed at coal stock in FY 2021-22. 1 hired mobile water tankers of capacities 4 KL each and 2 no. contractual 28 KL and 9 Kl of capacity are in operation.</p>																																
06	<p>The company shall obtain approval of CGWA for use of groundwater for mining operations for its enhanced capacity of 3.25 MTPA.</p>	<p>CGWA NOC for abstraction of groundwater has been obtained which is valid from 30/09/2019 to 29/09/2021.Further renewal application is been submitted to CGWA, and under final stage of approval. <b>Copy of same is enclosed as Annexure B.</b></p>																																
07	<p>Continuous monitoring of occupational safety and other health hazards, and the corrective action needed to be ensured</p>	<p>Initial medical examination (IME) is done for every worker. Moreover regular health checkups through periodical medical examination (PME) of all the workmen once in 5 years as per the statue and workers above 55 years of age once in a year is conducted. All the works are being carried out with all the safety measures and awareness is being created among employees for safety and to avoid any accidents.</p> <p>Details of IME and PME done at <b>Ballarpur Area</b> is given below:</p> <table><tr><th>Year</th><th>IME (in nos.)</th><th colspan="2">PME (in nos.)</th></tr><tr><td></td><td>Acheived</td><td>Target</td><td>Acheived</td></tr><tr><td>2021</td><td>953</td><td>1220</td><td>1425</td></tr><tr><td>2022</td><td>857</td><td>1220</td><td>1216</td></tr></table> <p>Details of IME and PME done at <b>Pauni II project</b> is given below:</p> <table><tr><th>Year</th><th>IME (in nos.)</th><th colspan="2">PME (in nos.)</th></tr><tr><td></td><td>Acheived</td><td>Target</td><td>Acheived</td></tr><tr><td>2021</td><td>369</td><td>12</td><td>55</td></tr><tr><td>2022</td><td>222</td><td>12</td><td>50</td></tr></table>	Year	IME (in nos.)	PME (in nos.)			Acheived	Target	Acheived	2021	953	1220	1425	2022	857	1220	1216	Year	IME (in nos.)	PME (in nos.)			Acheived	Target	Acheived	2021	369	12	55	2022	222	12	50
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08	Persons of nearby villages shall be given training on livelihood and skill development to make them employable.	Agreed. Mobile repairing training programme from/ 19/02/2019 to 19/03/2019(25 nos. participants) Beautician course from 03/03/2019 to 31/03/2019 (25 nos. participants), was organized for local communities in 2018-19 with an expenditure of 2.82 lakhs. Tailoring Programme for 25 nos. participants has been completed.																										
09	To ensure health and welfare of nearby villages, regular medical camps shall be organized at least once in six months.	Agreed. Medical camp has been conducted at Sasti village on 12/07/2019. In FY 2020-21, 2021-22 and FY 2022-23, regular medical camps are also conducted at Area Hospital for all nearby villages in Ballarpur area. CSR clinic is provided at area hospital which attends 150 persons (avg) per month from different villages surrounding mines of Ballarpur Area. <b>Copy of same is enclosed as Annexure I.</b>																										
10	Thick green belt of adequate width at the final boundary in the downwind direction of the project site shall be developed to mitigate the dust pollution.	<div>Plantation details are as follows:</div> <table><tr><th>Sr no</th><th>Year</th><th>Plantation (Nos.)</th><th>Area (Ha)</th></tr><tr><td>1</td><td>2017-18</td><td>25000</td><td>10.0</td></tr><tr><td>2</td><td>2020-21</td><td>31000</td><td>12.4</td></tr><tr><td>3</td><td>2021-22</td><td>20000</td><td>7.48</td></tr><tr><td>4</td><td>2022-23</td><td>50000</td><td>20.0</td></tr><tr><td colspan="2">TOTAL</td><td>126000</td><td>49.88</td></tr></table>			Sr no	Year	Plantation (Nos.)	Area (Ha)	1	2017-18	25000	10.0	2	2020-21	31000	12.4	3	2021-22	20000	7.48	4	2022-23	50000	20.0	TOTAL		126000	49.88
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11	Efforts shall be made for using alternate sources of surface water, abandoned mines or else whatsoever and thus minimizing the dependability on a single source.	There is no utilization of surface water in mine. The entire demand viz. for dust suppression, plantation, washing etc. is met from the pumped out mine water. In this regard, NOC from CGWA has been obtained.																										
12	A third party assessment of EC compliance shall be undertaken once in 3 years through agencies like ICFRI/NEERI/IIT or any other expert agency identified by the ministry.	Third party assessment of EC compliance has been done by NEERI in FY 21-22. <b>Copy of same is enclosed as Annexure G.</b>																										

	<b>GENERAL CONDITIONS</b>	
<b>A.</b>	<b>MINING</b>	
01	Mining shall be carried out under strict adherence to provisions of the Mines Act 1952 and subordinate legislation made there under as applicable.	Mining operations are being carried out and continue to be carried out as per provisions of Mines act 1952 and no deviation is being made during operations. Copy of the blasting study along with slope stability study attached.
02	No change in mining method, calendar programme and scope of working shall be made without obtaining prior approval of the Ministry of Environment, Forest and Climate change.	Noted and will be complied. No change in mining technology is envisaged.
03	Mining shall be carried out as per approved mining plan including Mine Closure Plan, abiding by mining laws related to coal mining and the relevant circulars issued by DGMS.	Mining operations is being carried as per mining plan by abiding all the mining rules and DGMS guidelines issued time to time and will continue to be carried out accordingly. Copy of the blasting study along with slope stability study attached.
04	No mining shall be carried out in the forest land without obtaining FC as per Forest (conservation) Act, 1980 and also adhering to the scheduled Tribes and other traditional forest dwellers (Recognition of forest rights) Act, 2006 read with provisions of the Indian Forest Act, 1927.	Agreed.
<b>B</b>	<b>LAND RECLAMATION AND WATER CONSERVATION</b>	

1	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 1:50000 scale shall be submitted to MoEF&C/Regional Office.	Digital survey of entire lease hold area/core zone using satellite remote sensing survey is carried out once in three years. Last survey has been done in 2021. The copy of report is attached as Annexure J. The same is submitted to RO, MOEFCC along with six monthly report. Also, it is available on company's website.
2	The surface drainage plan including surface water conservation plan for the area of influence affected by the said mining operation, 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 approved mining plan/EIA/EMP report and with due approval of the concerned state/GoI 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 permission of DGMS.	The embankment all along the periphery of quarry 3 m above H.F.L and 30 m width provided. At present there is no diversion of any surface water courses. However as per approved mining plan, there is a provision in future for diversion of Nallah, which will be carried out with due permission/ approval from the concerned authority / department of state government in order to prevent the danger of inundation from surface water inrush, protective embankment has been constructed as per the permission of DGMS and the dimensions are as below: Length: 1580m Height: 3 m above H.F.L. Top Width: 30 m Bottom Width: 36 m
3	The final mine void depth should be preferably be as per the approved Mine Closure Plan, and in case exceeds 40 m adequate engineering intervention shall be provided for sustenance of aquatic life. The remaining area shall be backfilled and covered with thick and alive topsoil. Post mining land shall be rendered usable for agriculture / forestry purposes and shall be handed over to the respective state government as specified in guidelines for preparing of Mine Closure Plan issued by the Ministry of Coal dated 27 <sup>th</sup> August 2009 and subsequent amendments.	The mine has started its operation in FY 16-17 and at present is in its 7 <sup>th</sup> year of operation. The life of mine is 10 yrs. The progress of mining activities are being carried out as per approve mining plan. The Mine Closure Plan is an integral part of approve Mining Plan. The post mining land use will be as per approved reports. The final mine void depth which will be reached after the end of mine will be appropriately addressed. As per the approved plan the post mining scenario shows 107 Ha as backfilled area against total excavated area of 273.79 Ha. The backfilled area is propose to be converted to afforested area. The land after completion of all closure activities and reimbursement of corpus deposited appropriate action for handing over the land will be taken. A mine closure plan was approved by the WCL Board along with opening of a corpus fund / account was opened at the Oriental Bank of Commerce, Jaripataka Branch, Nagpur.

4	<p>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 plan of approved mining plan and EIA/EMP submitted to the Ministry. Progressive compliance status vis-a-vis the post mining land use pattern shall be submitted to the MoEF&amp;C on six monthly basis.</p>	<p>The excavation, external OB dumping, plantation etc. are being carried as per the approved Mining Plan in conformity with the submitted Mining land use plans &amp; EIA –EMP submitted to MOEF&amp;CC.</p> <p>Six monthly EC compliance report is regularly submitted to Ministry of Environment, Forest Climate Change/Regional Office, Nagpur which comprises data sheet with data excavated area, backfilling, external OB dump including top soil &amp; afforestation data. <b>Copy of same is enclosed as Annexure K</b></p>
5	<p>The top soil shall temporarily be stored at earmarked sites only and shall not be kept unutilized for long. The top soil shall be used for land reclamation and plantation purposes. Active OB dumps shall be established with native grass species to prevent erosion and surface runoff. The other OB dump shall be vegetated with native flora species. The excavated area shall be backfilled and afforested inline with approved mine closure plan. Monitoring and management of rehabilitated areas shall be continued until the vegetation becomes self sustaining. Compliance status shall be submitted to the MoEF&amp;C on six monthly basis.</p>	<p>The top soil is being dumped temporarily at earmarked site and this soil will be used for blanketing backfilled area as well as external OB dump, in accordance with mine closure plan / approved Mining Plan.</p> <p>It has been stacked at separate dump with proper slope at the earmarked site and will be used for reclamation of mined out area in future.</p> <p>Year wise breakup is as follows:</p> <p>2016-17 – 1.18 Mm<sup>3</sup>  2017-18 – 0.60 Mm<sup>3</sup>  2018-19 – 0.491 Mm<sup>3</sup>  2019-20 – 2.114 Mm<sup>3</sup>  2020-21 – 3.910 Mm<sup>3</sup>  2021-22 – 4.473 Mm<sup>3</sup></p>
<b>C</b>	<b>EMISSIONS, EFFLUENTS, and WASTE DISPOSAL</b>	

1	Transportation of coal, to the extent permitted by road, shall be carried out by covered trucks/conveyors. Effective controls measures such as regular water/mist sprinkling/raingun etc shall be in critical areas prone to air pollution such as haul roads, loading/unloading and transfer points, fugitive dust emissions from all sources shall be controlled regularly. It shall be ensured that ambient air quality parameters shall confirm with norms prescribed by	Coal transportation is done through tarpaulin covered trucks. At present, 10 nos of rain guns installed at coal stock. 8 nos rainguns installed at weighbridge. Additional 10 nos rainguns to be installed at coal stock in FY 2021-22. 1 hired mobile water tankers of capacities 4 KL and 2 no. contractual of 28 KL and 9 KL of capacity are in operation. Ambient air quality is being monitored on fortnightly basis by CMPDIL and reports are being sent to Maharashtra Pollution Control Board and all values are under permissible limit.																											
	Central/State Pollution Control Board.																												
2	Greenbelt consisting of 3-tier plantation of width not less than 7.5 m shall be developed all along the Mine Lease area in a phased manner. The greenbelt comprising of mix of native species shall be developed all along the major approach / coal transportation roads.	Plantation details are as follows: <table><tr><td>Sr no</td><td>Year</td><td>Plantation (Nos.)</td><td>Area (Ha)</td></tr><tr><td>1</td><td>2017-18</td><td>25000</td><td>10.0</td></tr><tr><td>2</td><td>2020-21</td><td>31000</td><td>12.4</td></tr><tr><td>3</td><td>2021-22</td><td>20000</td><td>7.48</td></tr><tr><td>4</td><td>2022-23</td><td>50000</td><td>20.0</td></tr><tr><td colspan="2">TOTAL</td><td>126000</td><td>49.88</td></tr></table>				Sr no	Year	Plantation (Nos.)	Area (Ha)	1	2017-18	25000	10.0	2	2020-21	31000	12.4	3	2021-22	20000	7.48	4	2022-23	50000	20.0	TOTAL		126000	49.88
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4	2022-23	50000	20.0																										
TOTAL		126000	49.88																										
3	Transportation of coal shall be carried out as per the provisions and routes proposed in approved mining 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 constructed so that the impact of sound, dust and accidents could be appropriate mitigated.	Agreed, transportation of coal will be carried out as per the provisions and routes proposed in approved mining plan. The existing route does not pass through any village. Till CHP is constructed, presently the coal is transported to CHP of Gouri I&II OC as indicated earlier. As per present condition there are adequate control measures for control of dust, sound and accidents.																											
4	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 authorized pollution testing centre.	Complied. Only vehicles with valid PUC are being allowed for coal transportation.																											



5	<p>Coal Stock pile/crusher/feeder and breaker material transfer points shall invariably be provided with dust suppression systems. Belt conveyors shall be fully covered to avoid air borne dust. Side cladding all along the gantry shall be made to avoid air borne dust. Drills shall be wet operated or fitted with dust extractors.</p>	<p>Drills are being wet operated. Coal stock pile / yard are provided with 10 nos of rain guns. 8 nos rainguns installed at weighbridge. 1 hired mobile water tankers of capacities 4 KL each and 2 no. contractual 28 KL and 9KL of capacity are in operation.</p>
6	<p>Coal handling plant shall be operated with effective control measures viz. Bag filters / water or mist sprinkling systems to check fugitive dust emissions from crushing operations, conveyor system transfer points etc.</p>	<p>CHP hasn't been constructed yet. Adequate dust suppression arrangement will be put into operation once it comes up. At present coal from Pauni II Expansion OC is crushed in Gouri I&amp;II(A) OC CHP premises. Dust suppression measures at Gouri are 3 nos departmental mobile tankers with capacity 28 KL each and 1 no hired tanker with capacity 12 KL. 9 nos of sprinklers are installed at CHP in Gouri I&amp;II(A) OC . Dust suppression measures at Pauni II Expansion OC are 10 nos of rain guns installed at coal stock. 8 nos rainguns installed at weighbridge. 1 hired mobile water tankers of capacities 4 KL each and 2 no. contractual 28 KL and 9 KL of capacity are in operation.</p> <p>Regarding Fugitive dust monitoring, it is submitted that as per CMR 123 of 1957, 8 hour weighted work zone standard for fugitive emission is <math>3000 \mu\text{g}/\text{m}^3</math>.</p> <p>At present coal from Pauni II Expansion OC is crushed in Gouri I&amp;II(A) OC CHP premises. Fugitive dust monitoring is carried out at CHP (Gouri I&amp;II (A) OC) Weighbridge (Gouri I&amp;II (A) OC)</p>
7	<p>Groundwater excluding mine water shall not be used for mining operations. Rainwater harvesting shall be implemented for conservation and augmentation of groundwater resources.</p>	<p>No groundwater, other than pumped water from mine is being used for meeting the industrial demand viz. dust suppression, plantation, etc. No groundwater is used for extraction of coal and or excavation of OB / soil. Out of 1095.52 Ha, only 273.79 Ha is in use for excavation, 244.9 OB dumping, 10 Ha for embankment and infrastructure which comes to 48.25% total land. The remaining land of 566.83 Ha is still untouched and serving as ground water recharge structures. The level of ground water in the wells in the buffer zone is being Monitored continuously round the year at quarterly interval. As per the results there are such adverse effects on ground water levels. Further Roof top rain</p>



		<p>water harvesting system provided at Manager office. In addition a pond at Sakhari village which is fed with excess mine pumped out water after sedimentation and pressure filter which also serves as ground water recharge structure.</p>
8	<p>Catch drains and siltation pounds of appropriate size should be constructed around the mine working, coal heaps &amp; OB dumps to prevent run off of water and flow of sediments directly into river and water bodies. Further dump material shall be compacted and accumulation of water over dumps shall be avoided by providing adequate channels for flow of silt into the drains.</p> <p>Sump capacity should also provide adequate retention periods to allow proper settling of silt materials. The water so collected in the sump shall be utilized for dust separation measures and green belt development. Dimension of the retaining wall at the toe of the dumps and OB benches within the mine to check run-off and siltation should be based on rainfall data. Plantation of native species to be made between toe of the dump and adjacent field/habitation/water bodies.</p>	<p>Complied.</p> <p>Catch drains / garland drains of appropriate sizes have been constructed around the OB dump and quarry to arrest flow of silt and sediments into natural water course.</p> <p>These catch drains /garland drains are desilted before onset of every monsoon.</p> <p>Garland Drain of dimension of length 8.3 Km x width 3.0m x height 2.0m is provided.</p> <p>Catch Drain of dimension – length 8.3 Km x width 3.0m x height 2.0 m is provided.</p> <p>The sump made at the quarry floor which collects all the silts &amp; sediments form OB benches.</p> <p>In this regard, it may be noted that, cross drainage is provided over the OB benches, which carry all the material to the mine sump. Further, OB dumps are also compacted and water from top is guided to the toe finally to the catch drains.</p> <p>The water thus collected in the sump gets adequate retention time to allow proper setting of suspended materials. The supernatant water is pumped out on surface &amp; fed into one no of surface sedimentation tank of size 38.40 m x 23.40 m x 1.55 m for secondary treatment. The treated water from surface sedimentation tank used for watering the mine area &amp; green belt development. The excess water from sedimentation tank is being diverted to pond at sakhari village after treatment through Pressure Filter which acts as groundwater recharge structure. The catch drains are de-silted before onset of every monsoon. The OB dump is within the acquired land and native species will be planted once dump attain he final shape and height.</p>

9	<p>Industrial waste water from CHP, workshop and waste water from the mine should be properly collected, treated so as to conform to the standards prescribed under EPA 1986 and the rules made there under or as amended from time to time. Oil and grease trap should be installed before discharge of workshop effluent.</p>	<p>At present as already indicated, CHP is yet to be constructed. The effluent in this mine comes from workshop and mine. For treatment of workshop effluent, 150 KLD treatment plan has already been put in place. The plant has inbuilt Oil and Grease trap with Oil skimmer and for effective treatment a clari-floculator is provided. For treatment of mine water, it may be noted that strata seepage water coming down the cross drainage finally gets accumulated in the mine sump made at the floor of the seam. The water gets its first stage settlement at the mine sump having a capacity of 54.73 Million Gallons. Subsequently, supernatant water is pumped out and fed into surface sedimentation tank of size 38.40 m x 23.40 m x 1.55 m which gives 2nd stage settlement. The quality of effluent is monitored every fortnight. The report of monitoring results is enclosed.</p>
10	<p>Adequate groundwater recharge measures shall be taken up for augmentation of groundwater. The project authorities shall meet the water requirements of nearby villages in case the village wells goes dry due to dewatering of mine.</p>	<p>In this regard, action taken reply given at point no. 7 may also be referred. Roof top rain water harvesting system provided at Manager office. The mine water is pumped out on surface &amp; fed into one no of surface sedimentation tank of size 38.40 m x 23.40 m x 1.55 m for secondary treatment. The treated water from surface sedimentation tank used for watering the mine area &amp; green belt development. The excess water from sedimentation tank is being diverted to pond at Sakhari village after treatment through Pressure Filter which also acts as ground water recharge structure.</p>
<b>D</b>	<b>ILLUMINATION, NOISE &amp; VIBRATIONS</b>	
1	<p>Adequate illumination shall be ensured in all mine locations as per DGMS standards and monitored weekly. The report of same be submitted in this ministry and RO on a six monthly basis.</p>	<p>Agreed. Illumination has been maintained as per new CMR guidelines. <b>Copy of same is enclosed as Annexure D</b></p>
2	<p>Adequate measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in blasting and drilling operations of HEMM etc. should be provided with ear plugs/ muffs in conformity with the prescribed norms and guidelines in this regard. Adequate awareness programmes for users to be conducted. Progress in usage of such</p>	<p>Agreed. Adequate measures are taken for control of Noise pollution. Workers engaged in blasting and drilling operations, operation of HEMM, etc are provided with ear plugs/muffs. Regular awareness programs for training and retraining of workers are also conducted in vocational training center of area.  Details of VTC trainings carried out at <b>Ballarpur Area</b> is given below:</p>

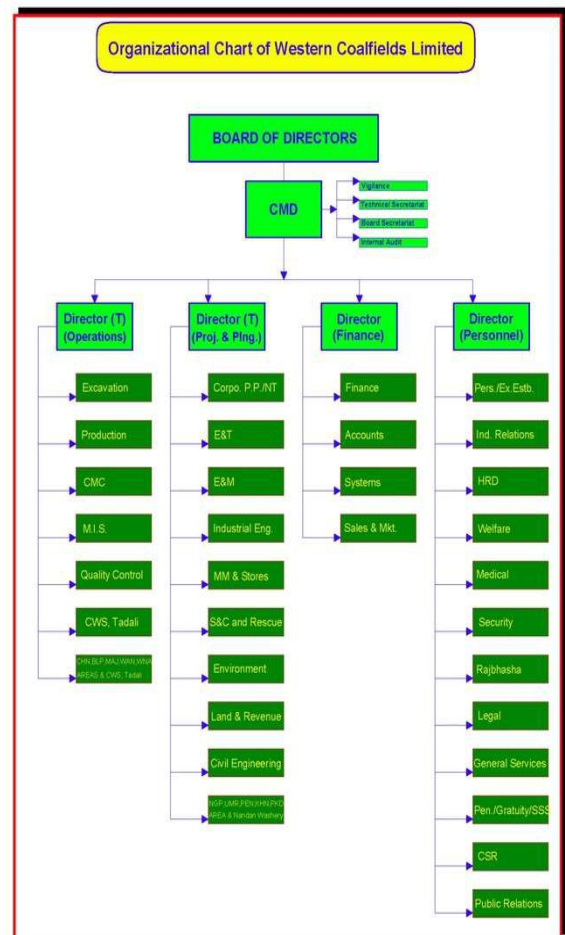
	accessories be monitored.	<table><tr><th rowspan="2">Year</th><th colspan="2">VTC Training</th></tr><tr><th>Target</th><th>Acheived</th></tr><tr><td>2021-22</td><td>680</td><td>592</td></tr><tr><td>2022-23 (upto Sept 2022)</td><td>680</td><td>440</td></tr></table> <p>Details of VTC trainings carried out at <b>Pauni II project</b>, Ballarpur Area is given below:</p> <table><tr><th rowspan="2">Year</th><th colspan="2">VTC Training</th></tr><tr><th>Target</th><th>Acheived</th></tr><tr><td>2021-22</td><td>40</td><td>31</td></tr><tr><td>2022-23 (upto Sept 2022)</td><td>40</td><td>40</td></tr></table>	Year	VTC Training		Target	Acheived	2021-22	680	592	2022-23 (upto Sept 2022)	680	440	Year	VTC Training		Target	Acheived	2021-22	40	31	2022-23 (upto Sept 2022)	40	40
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3	Controlled blasting techniques shall be practiced in order to mitigate ground vibrations and fly rock as per the guidelines prescribed by the DGMS.	Complied. Controlled Blasting is being practiced as per DGMS permission. <b>Copy of same is enclosed as Annexure L</b>																						
4	The noise levels 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.	Agreed, being complied. Ambient noise level are being monitored fortnightly at Manager Office, Pauni Sub Area. <b>Copy of same is enclosed as Annexure M</b> All values are well within the permissible limit																						
<b>E</b>	<b>OCCUPATIONAL HEALTH &amp; SAFETY</b>																							
1	Proponent shall undertake an Occupational Health Survey for initial and Regular Periodical medical examination of the workers engaged in the Project and maintain records accordingly as per the Mines Rules, 1955 and DGMS Circulars. Besides being regular periodic checkup, 20% of the workers identified from workforce engaged in active mining operations shall be subjected to health checkup for occupation disease and impairment, if any.	Personal working in dusty areas are provided with dust masks. Periodical health check-up of mine workers are carried out once in 5 years with the purpose of detecting occupational diseases & hearing impairment. Every worker in the mine is examined in 5 years- up to the age of 45; the workers who are above 50 years are subjected to periodic medical examination at two and a half years interval. Area Hospital in WCL Ballarpur Area is a 25 bedded hospital. Till date, since opening no such occupational diseases and or hearing impairment has been recorded. Details of IME and PME done at <b>Ballarpur Area</b> is given below: <table><tr><th>Year</th><th>IME (in nos.)</th><th colspan="2">PME (in nos.)</th></tr><tr><td></td><td>Acheived</td><th>Target</th><th>Acheived</th></tr><tr><td>2021</td><td>953</td><td>1220</td><td>1425</td></tr><tr><td>2022</td><td>857</td><td>1220</td><td>1216</td></tr></table> <p>Details of IME and PME done at <b>Pauni II</b></p>	Year	IME (in nos.)	PME (in nos.)			Acheived	Target	Acheived	2021	953	1220	1425	2022	857	1220	1216						
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	Acheived	Target	Acheived																					
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2022	857	1220	1216																					

		<b>project</b> is given below:			
		<b>Year</b>	<b>IME (in nos.)</b>	<b>PME (in nos.)</b>	
			Acheived	Target	Acheived
		2021	369	12	55
		2022	222	12	50
2	Personnel (including outsourcing employee) working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.	Personnel working (including outsourcing employee) in dusty areas provided with protective respiratory devices and advised to wear the same during the work.			
3	Skill training as per safety norms specified by DGMS shall be provided to all workman including the outsourcing employee to ensure high safety standards in mine.	The skill training as per safety norms specified by DGMS are provided to all workmen including contractual and supervisors as detailed below:			
<b>F</b>	<b>ECOSYSTEM &amp; BIODIVERSITY CONSERVATION</b>				
1	The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered fauna, if any, spotted in the study area. Action plan for conservation of flora and fauna shall be prepared and implemented in consultation with the State Forest and Wildlife Department.	A survey has been conducted by CMPDI on existing flora and fauna in post monsoon period of 2016. No endangered, endemic species of flora and fauna found in both core and buffer zones. No migratory fauna found in both core and buffer zones. As such, presently no such conservation plan is required. Copy of same is enclosed.			
<b>G</b>	<b>PUBLIC HEARING, R&amp;R, AND CSR ACTIVITIES</b>				
1	Implementation of Action Plan on the issues raised during the Public Hearing shall be ensured. The Project Proponent shall complete all the tasks as per the Action Plan submitted with budgetary provisions during thePublic Hearing. Land oustees should be compensated as per the norms laid out R&R Policy of the Company or the National R&R Policy or R&R Policy of the State Government, as applicable.	Noted and all the issues raised during the public hearing are being properly addressed. Land oustees has been compensated and employment has been given to all the eligible persons as per R&R policy. All the guidelines will be adhered from time to time framed by Government body in future.			

2	The project proponent shall ensure that the expenditure towards socio economic development in and around the mine in every financial year, in pursuance of its Corporate Social Responsibility Policy under Section 135 of the Companies Act, 2013.	Agreed, and it is complied as per the CIL's CSR policy under Companies Act, 2013, The fund for the CSR will be allocated based on 2% of the average net profit of the Company for the three immediate preceding financial years or Rs 2.00 per Tonne of Coal Production of the previous year whichever is higher. <b>Copy of same is enclosed as Annexure N.</b>
3	The project proponent shall follow the mitigation measures provided in Office Memorandum No.Z- 11013/57/2014- 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 lease area".	The project proponent is adhering to the mitigation measures as per the guideline specific under the title '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' OM No.Z11013/57/2014- IA.II (M) dated 29th October, 2014.
4	The Project Proponent shall make necessary alternative arrangements, where required, in consultation with the State Government to provide alternate areas for livestock grazing, if	There is no acquisition of grazing land, as such not applicable.
	any. In this context, Project Proponent should implement the directions of the Hon'ble Supreme Court with regard to acquiring grazing land.	
<b>H</b>	<b>CORPORATE ENVIRONMENT RESPONSIBILITY</b>	

1	<p>The Company should have a well laid down Environment Policy approved by the Board of Directors. The Environment Policy should prescribe for standard operating process/procedures to bring into focus any infringements /deviation/violation of the environmental or forest norms/conditions. To have proper checks and balances, the Company should have a well laid down system of reporting of non-compliance's/violations of environmental norms to the Board of Directors of the Company and/or shareholders or stakeholders at large.</p>	<p>Complied. The Coal India Limited Corporate Environment Policy 2019 duly followed WCL is attached herewith.</p> <p>The company has a well laid down environment policy approved by WCL Board. To deal with environmental issues and for ensuring compliance with environmental clearance conditions. At project level, Environment Management cell is headed by Sub- Area and is assisted by Project Nodal Officer (Environment).</p> <p>At Area level, Area General Manager, Heads the environment cell and is assisted by General Manager (Operation) and Nodal Officer (Environment)</p> <p>At Corporate level at Headquarter, there is full fledged Environment Department which is headed by General Manger (Environment) with a multi disciplinary team of qualified and experienced engineers. The head of Corporate Environment department reports directly the Director (Technical) , who is nominated owner of the company.</p>
2	<p>The project proponent shall comply with the provisions contained in this ministry's OM dated 1<sup>st</sup> May, 2018, as applicable, regarding Corporate Environment Responsibility.</p>	<p>Noted.</p>
3	<p>The hierarchical system or Administrative Order of the company to deal with environmental issues and for ensuring compliance with the environmental clearance conditions should be displayed on website of the Company.</p>	<p>The hierarchical system or Administrative Order of the company to deal with environmental issues and for ensuring compliance with the environmental clearance conditions was displayed on website of the Company. The same is placed below for your kind perusal.</p> <p>To deal with environmental issues and for ensuring compliance with environmental clearance conditions, at project level, Environment Management cell is headed by Sub-Area and is assisted by Project Nodal Officer (Environment).</p> <p>At Area level, Area General Manager, Heads the environment cell and is assisted by General Manager (Operation) and Nodal Officer</p>

At Corporate level at Headquarter, there is full fledged Environment Department which is headed by General Manager (Environment) with a multi disciplinary team of qualified and experienced engineers. The head of Corporate Environment department reports directly the Director (Technical) , who is nominated owner of the company.





		<p>It has been uploaded on WCL website, linked as <a href="http://www.westerncoal.in/?q=node/431">http://www.westerncoal.in/?q=node/431</a></p>
4	<p>A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will Report directly to the Head of the Organization</p>	<p>To deal with environmental issues and for ensuring compliance with environmental clearance conditions, at project level, Environment Management cell is headed by Sub- Area Manager, colliery manager and is assisted by Project Nodal Officer (Environment).</p> <p>At Area level, Area General Manager, Heads the environment cell and is assisted by General Manager (Operation) and Nodal Officer (Environment)</p> <p>At Corporate level at Headquarter, there is full fledged Environment Department which is headed by General Manger (Environment) with a multi disciplinary team of qualified and experienced engineers. The head of Corporate Environment department reports directly the Director (Technical) , who is nominated owner of the company..</p>
5	<p>Action plan for implementing EMP conditions shall be prepared and duly approved by competent authority. The year wise funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry and its Regional Office along with six monthly compliance report.</p>	<p>Being complied. The funds earmarked for environment protection measures are kept in separate account and it is not used for any other purpose. Expenditure statement is shown in every six monthly compliance report sent to MoEF&amp;CC.</p>



6	Self-environment audit shall be conducted annually. Even three years third party environment audit shall be carried out.	Self internal environmental audit system has been setup in the company recently. At Area level, a multi disciplinary committee has been constituted by order of competent authority to review the compliance status every month through a formatted checklist. Inter-area inspection to review compliance status is being done on quarterly basis.
<b>I</b>	<b>STATUTORY OBLIGATIONS</b>	
1	Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, NGT	Noted
	and any other Court of Law, if any, as may be applicable to this project.	
2	This Environmental Clearance is subject to obtaining requisite wildlife if applicable from the Standing Committee of National Board for Wildlife.	No endangered fauna was observed in core and buffer zone as per the baseline data generated for Flora and Fauna in Environment Impact Assessment / Environment Management Plan which is enclosed. As such wildlife clearance is not applicable
3	The Project Proponent shall obtain Consent to Establish and Consent to Establish/ Operate under the Air Act, 1981 and the Water Act, 1974 from the concerned State Pollution Control Board.	Complied. Consent to operate under Air & Water Act is granted for additional capacity 3.25 MTPA up to 31.03.2023 vide consent no. FORMAT 1.0/CAC/UAN no. 0000135348/CR 2211000391. Renewal application is submitted vide UAN no. MPCB-CONSENT-0000166167 dated 24.03.2023. Application is under process at MPCB. <b>Copy of same is enclosed as Annexure A.</b>
4	The Project Proponent shall obtain the necessary prior permission from the Central Ground Water Authority (CGWA). Application to CGWA for abstraction of groundwater for enhanced production capacity of 3.25 MTPA is in advanced stage of approval.	CGWA NOC for abstraction of groundwater has been obtained which is valid from 30/09/2019 to 29/09/2021. Further renewal application is been submitted and under final stage of approval. <b>Copy of same is enclosed as B.</b>
<b>J</b>	<b>MONITORING OF PROJECT</b>	

1	<p>Adequate ambient air quality monitoring stations shall be established in the core zone as well as in the buffer zone for PM10, PM2.5, SO2 and NOx monitoring. 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 AAQ monitoring stations may also be installed in addition to regular monitoring stations as per the requirement and/or in consultation with SPCB. Monitoring of heavy metals such as Hg, As, Ni, Cd, Cr, etc. carried out at least once in six months.</p>	<p>Four ambient air quality monitoring station covering core as well as buffer zone are established as follows</p> <p>BP OA-1 Mine Office – Pauni II OC</p> <p>BP<sub>2</sub>OA-2- Substation – Pauni II OC</p> <p>BP OA-3- Sakhari<sup>2</sup> Village</p> <p>BPOA -4 – Workshop Pouni OC</p> <p>The stations have been fixed considering the meteorological data, topographical features etc. The monitoring is carried out with due prior intimation to MPCB.</p> <p>Monitoring data is being submitted to MOEF &amp;CC &amp; MPCB regularly.</p> <p>The report of monitoring results is enclosed</p>
2	<p>The ambient air quality monitoring in the core zone shall be carried out to ensure the coal industry standard notified under GSR 742 (E) Dated 25.09.2000 an as amended from time to time by CPCB. Data on ambient air quality and heavy metals such as Hg, As, Ni, Cd, Cr, etc. shall be regularly reported to the ministry regional office and to the CPCB/SPCB.</p>	<p>Ambient Air quality monitoring is being carried out as per GSR 742(E). <b>Copy of same is enclosed as M.</b></p>
3	<p>The effluent discharge (mine waste water, workshop effluent) shall be monitored in terms of the parameters notified under the coal industry standards of GSR 742 (E) Dated 25.09.2000 and as amended from time to time by CPCB.</p>	<p>The effluent discharge are monitored as per GSR 742(E). <b>Copy of same is enclosed as M.</b></p>
4	<p>The monitoring data shall be uploaded on the company website and displayed at the project site at a suitable location. The circular no.J- 20012/1/2006/.1A.11(M) Dated 27.05.2009 issued by MoEF&amp;CC shall also be referred in this regard for compliance.</p>	<p>Monitoring data is being regularly uploaded at WCL official website <a href="http://www.westerncoal.in">www.westerncoal.in</a> and also displayed at the project site i.e Entrance of Sub Area Manager's Office.</p>

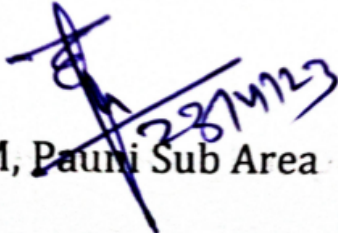
5	<p>Regular monitoring of ground water level and quality shall be carried out in and around the mine lease by establishing a network of existing wells and constructing new piezometers during the mining operation.</p> <p>The monitoring shall be carried out four times in a year pre- monsoon, monsoon, post- monsoon and winter and the data thus collected may be sent regularly to Ministry of Environment, Forest and Climate Change and its Regional Office.</p>	<p>The groundwater level monitoring is being carried out by CMPDIL, 4 times a year in pre-monsoon (May), Monsoon (August), Post-monsoon (November) and Winter (January) seasons and for quality once in a year. The monitoring report is regularly sent to Regional Officer, CGWB Nagpur with a copy to MoEF&amp;CC &amp; CPCB.</p>
6	<p>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 MoEF&amp;CC / Regional Office.</p>	<p>Upstream and downstream samples were collected from Sakhari and Lendi Nallah by CMPDI. <b>Results of the samples collected are attached as Annexure O</b></p>
7	<p>Project proponent shall submit six monthly reports on the status of the implementation of the stipulated environment conditions to the Ministry of Environment, Forest and Climate Change and its Regional Office. For half yearly monitoring reports data should be monitored for the period April to September and October to March of the financial years</p>	<p>The six monthly report is being sent regularly within the stipulated time, as mentioned to Regional officer MPCB Chandrapur and MoEF&amp;CC, Nagpur. <b>Copy of same is enclosed as Annexure K.</b></p>
8	<p>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.</p>	<p>Agreed. Full cooperation shall be provided to the officers of Regional Office.</p>
<b>K</b>	<b>MISCELLANEOUS</b>	

1	Efforts should be made to reduce energy consumption by conservation, efficiency improvements and use of renewable energy.	<p>Agreed, will be complied.</p> <p>Energy consumption of mine for last 2 years is as below:  2017-18 – 1.55 Lakh KWh  2018-19 – 10.19 Lakh Kwh  2019-20 – 9.5 lakh KWH</p> <p>Energy consumption in year 2017-18 was very low as mine was not operational for almost 8 months due to land compensation issues.</p> <p>Further 60 KWh Solar power plant has been set up at AGM office of Ballarpur Area to promote use of renewable energy sources.</p>
2	The project authorities shall inform to the Regional Office regarding commencement of the mining operations.	Agreed, with the submission of Six monthly report, the details of commencement of project given to RO, MOEF&CC.
3	A copy of Environment clearance letter will be marked to concern Panchayat. A copy of the same shall also be sent to the concerned pollution control board, Regional office, District Industry Centre and Collector's office/ Tehsildar Office for 30 days.	Complied.
4	The EC shall be uploaded on the company's website. The, compliance status of the stipulated EC conditions shall also be uploaded by the project authorities on their website and updated at least once every six months so as to bring the same in public domain.	Agreed, a copy of EC has been uploaded on company website. A copy of six monthly has also been uploaded.

5	<p>The project authorities should advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at web site of the Ministry of Environment, Forest and Climate Change at <a href="http://www.environmentclearance.nic.in">www.environmentclearance.nic.in</a></p>	<p>Advertised in two news papers Mahavidarbha Hindi – 17.03.2020 Chandrapur Samachar – 17.03.2020. <b>Copy of same is enclosed as Annexure O.</b></p>
6	<p>The Environmental Statement for each financial year ending 31 March in Form-V is mandated to be submitted by the PP for the concerned State Pollution Control Board as prescribed under the</p>	<p>The audit statement is also uploaded on company website. The Environmental Statement for each financial year is filled in Form-V before 30th september of each year. Environmental Statement for FY 2021-22 submitted within the stipulated time is attached. <b>Copy of same is enclosed as Annexure P.</b></p>
	<p>Environment (Protection) Rules, 1986, as amended subsequently, shall also be uploaded on the Company's website along with the status of compliance of EC conditions and shall be sent to the respective Regional Offices of the MoEF &amp; CC by e-mail.</p>	
7	<p>The above conditions will be enforced inter alia under the provision of the water Act, 1974 and Air Act, 1981, Environment protection act, 1981 and the public liability act, 1991 along with their amendments and their rules and any other order passed by Hon'ble Supreme Court of India /High courts and any other court of law to the subject matter.</p>	<p>Noted.</p>

5.	The proponent shall abide by all the commitments and recommendations made in the EIA EMP report and also that during presentation to EAC. All the commitments made on the issues raised during Public hearing shall also be implemented in letter and spirit.	Noted for compliance.
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 stipulate any further condition for environmental protection.	Noted for compliance. Relevant details on consents from MPCB and NOC from CGWA have been given in earlier points.
7.	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under section 16 of NGT Act, 2010.	Does not pertain to the project.
8	The coal company/project proponent shall be liable to pay	Noted.
	the compensation against the illegal mining, if any, and as raised by the respective State government at any point of time, in terms of the orders dated 2/08/2017 of Hon'ble Supreme court in WP (Civil) no. 114/2014 in the matter of Common cause Vs Union of India and others.	
9.	The concerned state government shall ensure mining operation 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 judgment of Hon'ble Supreme court	Does not pertain to the project.

10.	This EC shall not be operational till such time the project proponent complies with the above said judgment, as applicable, and other statutory requirements.	Noted.
11.	This issues in supersession of the earlier EC granted by the Ministry vide letter dtd: 02/02/2006.	Noted.

  
 SAM, Pauni Sub Area