

Your application has been **Submitted** with following details

Proposal No	IA/CG/CMIN/416221/2023
Compliance ID	6824889
Compliance Number(For Tracking)	EC/M/COMPLIANCE/6824889/2023
Reporting Year	2023
Reporting Period	01 Dec(01 Apr - 30 Sep)
Submission Date	29-12-2023
IRO Name	Chaturbhuja Behera
IRO Email	jk082@ifs.nic.in
State	CHHATTISGARH
IRO Office Address	Budgam
Note:- SMS and E-Mail has been sent to Chaturbhuja Behera, CHHATTISGARH with Notification to Project Proponent.	

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An ISO 9001, ISO 14001 & OHSAS 18001

Certified Company



SEML/ENV/CM/5672

29th Dec, 2023

To,
The Inspector General of Forests
Government of India
Ministry of Environment & Forest
Integrated Regional Office,
Aranya Bhawan, North Block Sec-19
Atal Nagar, Nava Raipur - 492002 (C.G.)

Sub: Submission of Half Yearly compliance status of conditions stipulated in Environmental Clearance vide File no. J-11015/37/2004-IA-II(M) dated 24.03.2023 for Gare Palma IV/7 Open cast Coal Mine located in village(s) – Karwahi, Khamaria, Saraitola, Dholnara, & Bajarmuda, Tehsil –Tamnar, District – Raigarh, (C.G.) by Sarda Energy & Minerals Ltd.,

Ref: Environmental Clearance vide letter no. File no. J-11015/37/2004-IA-II(M) dated 24.03.2023

Dear Sir,

We are enclosing herewith point wise compliance status for the period of Apr-23 to Sep-23, of all the conditions mentioned in the Environmental Clearance vide File no. J-11015/37/2004-IA-II(M) dated 24.03.2023 for Gare Palma IV/7 Open cast Coal Mine located in village(s) – Karwahi, Khamaria, Saraitola, Dholnara, & Bajarmuda, Tehsil – Tamnar, District – Raigarh, (C.G.) by Sarda Energy & Minerals Ltd, is attached as **ANNEXURE – 1.**

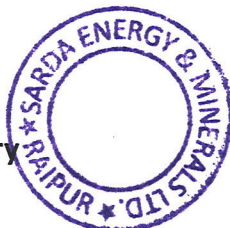
Thanking you,

Your faithfully

For Sarda Energy & Minerals Limited,


P.S. Dutta Gupta

Authorized Signatory



Encl. a/a

CC: (I) The Zonal Officer, CPCB, Zonal Office (Central), 3rd Floor, Sahkar Bhawan, North T.T. Nagar, Bhopal – 462 003.

(II) The Member Secretary, CECB, Paryavash Bhawan, North Block, Sec-19, Nava Raipur Atal Nagar, Raipur (C.G.)- 492 002



Government of India
Ministry of Environment, Forest and Climate Change
Compliance Report
2023
01 Dec(01 Apr - 30 Sep)



Proposal Details

Proposal Name		Expansion of Gare Palma IV/7 Open Cast Coal Mine with production capacity from 1.2 MTPA to 1.44 MTPA by M/s Sarda Energy & Minerals Limited located at Village-Karwahi, Khamaria, Saraitola, Dholnara & Bajarmuda, Tehsil -Tamnar, District - Raigarh, Chattisgarh	
Name of Entity / Corporate Office		Sarda Energy and Minerals Ltd	
Village(s)		N/A	
District			
Proposal No.	IA/CG/CMIN/416221/2023	Category	Coal Mining
Plot / Survey / Khasra No.	N/A	Sub-District	N/A
State	CHHATTISGARH	Entity's PAN	NA
MoEF File No.	J-11015/37/2004-IA-II(M)	Entity name as per PAN	NA

Compliance Reporting Details

Reporting Year	2023
Remarks (if any)	We have started coal mining with enhanced capacity upto 1.44 MTPA wef 25.05.2023.
Reporting Period	01 Dec(01 Apr - 30 Sep)

Details of Production and Project Area

Name of Entity / Corporate Office	Sarda Energy and Minerals Ltd	
	Project Area as per EC Granted	Annual Project Area in Possession
Private	258.793	258.793
Revenue Land	18.307	18.307
Forest	0	0
Others	0	0
Total	0	0

Production Capacity

Sr. no	Product Name	units	Valid Upto	Capacity	Production last year	Capacity as per CTO
1	Non Coking Coal	Million Tons per Annum (MTPA)	31/03/2024	1.44 MTPA	1.2 MTPA	1.44 MTPA

Conditions

Specific Conditions

Sr.No.	Condition Type	Condition Details
1	AIR QUALITY MONITORING AND PRESERVATION	As per NGT order dated 15.02.2022 in Original Application No. 104/2018 in the matter of Shivpal Bhagat & Ors vs UIO, proper and free health care facilities with multispecialty treatment system shall be provided in coal mine buffer area.
PPs Submission: We accept the condition. We have appointed a Medical Doctor along with medical mobile van to cater the medical need of workers and nearby habitant.		Date: 23/12/2023
2	Corporate Environmental Responsibility	Persons of the nearby villages shall be given training on livelihood and skill development to make them employable with its proper records.
PPs Submission: We assure that we will provide training to Persons of the nearby villages on livelihood and skill development to make them employable.		Date: 23/12/2023
3	LAND RECLAMATION	As per NGT order dated 15.02.2022 in Original Application No. 104/2018 in the matter of Shivpal Bhagat & Ors vs UIO, PP Shall have to comply that when coal is sold to TPP, there is the agreement to sell that at least 25% Fly ash of the coal sold, should be accepted by the coal company (seller) from TPP (purchaser) failing which coal company shall be liable for civil action and other legal measures.
PPs Submission: We accept the condition. We will comply NGT Order dated 15.02.2022.		Date: 23/12/2023
4	MISCELLANEOUS	The project proponent shall prepare 5 –year plantation plan along with the preparation of Garland drain and retaining wall.
PPs Submission: Five Year Plantation Plan is prepared upto the period of 2025-26. Garland drain and retaining wall is also constructed in the mine. Annexure-3.		Date: 27/12/2023
5	MISCELLANEOUS	The project proponent shall prepare the systemic mine closure plan.
PPs Submission: The systemic mine closure plan is included in the approved Mining plan.		Date: 26/12/2023
6	MISCELLANEOUS	The project proponent shall prepare the transportation plan with best possible route. The dedicated pukka road route should not be pass from any village area.
PPs Submission: We assure that we will prepare transportation plan with best possible route and not to be pass from any village area.		Date: 26/12/2023

7	MISCELLANEOUS	PP shall deploy minimum 10% of the total Mine vehicle operating on biofuels and Electric.
PPs Submission: We assure that we will deploy minimum 10% of total mine vehicle operating on biofuels and Electric.		Date: 26/12/2023
8	MISCELLANEOUS	The PP shall increase the truck fleet size i.e. upto 45-50 tonne.
PPs Submission: We have deployed truck fleet size of 45 to 50 tonnes for Transportation of Coal from our mine premises.		Date: 26/12/2023
9	MISCELLANEOUS	PP shall install fixed fog cannon (mist sprayer) all along the haul road till CHP, Railway siding and OB Dump area and accordingly sufficient number of fog cannons (not less than 10 nos.) with 40 mts jet length shall be installed within 6 months. It should be ensured that air pollution level confirm to the standards prescribed by the MoEF&CC/CPCB.
PPs Submission: We have installed 10 nos of fixed fog cannon (mist sprayer) with 40 mtr Jet length all along the haul road upto CHP and OB Dump area within 6 months. We also assure that air pollution level within mine area will be under the standards prescribed by MoEF&CC/CPCB as well as CECB. Further, we would like to inform that we had installed various nos of fixed types Sprinklers on haul roads, Rain Guns and Wind Breakers in around coal stock yard in the mine to control fugitive emission. Annexure-5		Date: 26/12/2023
10	MISCELLANEOUS	PP to develop an ECO park with separate area of 5 ha for medicinal and herbal species within two years.
PPs Submission: We assure that we will develop an ECO park with separate area of 5 ha for medicinal and herbal species within two years in mine area.		Date: 27/12/2023
11	MISCELLANEOUS	Hon'ble Supreme Court in an Writ Petition(s) Civil No. 114/2014, Common Cause vs Union of India & Ors vide its judgment dated 8th January, 2020 has directed the Union of India to Impose a condition in 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 MoEF&CC.
PPs Submission: We accept the condition.		Date: 26/12/2023
12	MISCELLANEOUS	PP to provide bio toilets to the villages located within the study areas within 1 year from the grant of this EC.
PPs Submission: We accept the condition.		Date: 27/12/2023
13	MISCELLANEOUS	All the condition stipulated in the EC letter and transfer letter vide F. No. J- 11015/37/2004-IA.II (M) dated 30.09.2005 and 11.05.2015 respectively shall remain unchanged.

PPs Submission: Noted, we accept the condition.		Date: 26/12/2023
14	MISCELLANEOUS	As per NGT order dated 15.02.2022 in Original Application No. 104/2018 in the matter of Shivpal Bhagat & Ors vs UIO, Coal transportation is permitted for only one year through road from date of commissioning and subsequent, transport must be done by rail or closed conveyer belt only.
PPs Submission: We accept the condition.		Date: 26/12/2023
15	MISCELLANEOUS	The PP shall develop Sal nursery with the minimum plant capacity of 25000 within 5 ha. of project area. Further Sal tree be planted as much as possible while reclaiming during mine closure activity.
PPs Submission: We will develop Sal nursery with the minimum plant capacity of 25000 within 5 ha. of Mine area. Also assure that Sal trees will be planted as much as possible, while reclaiming during mine closure activity.		Date: 26/12/2023
16	MISCELLANEOUS	As per NGT order dated 15.02.2022 in Original Application No. 104/2018 in the matter of Shiv pal Bhagat & Ors vs UIO, PP to comply with all the recommendation of carrying Capacity Study being conducted by reputed institute by CPCB & SPCB.
PPs Submission: We assure that we will comply the recommendation of carrying capacity study being conducted by reputed Institution by CPCB & SPCB as per the NGT Order dated 15.02.2022, whichever is applicable.		Date: 26/12/2023
17	MISCELLANEOUS	PP shall obtain CTE/CTO for capacity enhancement up to 1.44 MTPA.
PPs Submission: Complied, we have been CTE cum CTO for capacity enhancements of our coal mine up to 1.44 MTPA vide CECB letter no- 1178/TS/CECB/2023 dt-25.05.2023. Annexure-2		Date: 26/12/2023
18	MISCELLANEOUS	The project proponent shall make plantation plan of at least 1 Lakh number in next 3years by Miyawaki method.
PPs Submission: Plantation Plan for next 3-years is prepared and its implementation is also under progress. We have already planted 35,470 sampling till date in 14.842 Ha area. Miyawaki Technique will be implemented during the Gap Plantation for achieving the plantation density of 5000 no per Ha. Annexure-4		Date: 29/12/2023
19	MISCELLANEOUS	The project proponent shall implement the mechanized system in the Mine lease area before December, 2023.
PPs Submission: We assure that we will implement the mechanized system in the mine.		Date: 29/12/2023
20	MISCELLANEOUS	PP Should establish in house (at project site) environment laboratory for measurement of environment parameter with respect to air quality and water (surface and ground) A dedicated team to oversee environment management shall be setup at site itself which should comprise of Environment Engineers. Laboratory chemist and staff for monitoring of air, water quality parameters on routine basis instead of engaging environment monitoring laboratories/ Consultants. Any non-compliance or infringement should be reported

		to the concerned authority.
PPs Submission: We are in process of establishing Environmental Laboratory in the mine premises and will be completed within 1 year. Presently, monitoring work is being carried out through outsource agency namely M/S Enviro Analysts & Engineers Pvt. Ltd. An Environmental Management Cell has been set-up in the mine with qualified technical personnel under control of a Senior Executive.		Date: 29/12/2023
General Conditions		
Sr.No.	Condition Type	Condition Details
1	AIR QUALITY MONITORING AND PRESERVATION	Continuous ambient air quality monitoring stations as prescribed in the statute be established in the core zone as well as in the buffer zone for monitoring of pollutants, namely PM10, PM2.5, SO2, 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 six months.
PPs Submission: Ambient Air quality Monitoring station is already been established. One in Core Zone (near Weighbridge) and Three station in Buffer zones (Pata Village, Dholnara Village and Milupara Village). Further, we have also installed an online Continuous Ambient Air Quality Monitoring Station in the down wind direction near Karwahi village for monitoring of PM10, PM2.5, SO2, Nox etc. and online data is regularly transferred to CPCB and CECB. The monitoring report is attached. Annexure-6		Date: 26/12/2023
2	AIR QUALITY MONITORING AND PRESERVATION	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.
PPs Submission: The Ambient Air Quality monitoring in the core zone is being carried out to ensure the Coal Industry Standards notified vide GSR 742 (E) dated 25th September, 2000 and its amendment. Monitoring data on ambient air quality and heavy metals such as Hg, As, Ni, Cd, Cr and other monitoring data is being/will be submitted to the MOEF&CC, IRO and CPCB as well as CECB regularly. Monitoring report is enclosed as Annexure-7.		Date: 26/12/2023
3	AIR QUALITY MONITORING AND PRESERVATION	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 air pollution (with higher values of PM10/PM2.5) such as haul road, loading / unloading and transfer points. Fugitive dust emissions from all sources shall be controlled regularly. It shall be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central/State Pollution Control Board.
PPs Submission: Coal transportation is being /will be carried out through covered Trucks. Dust suppression systems are already installed in critical areas to control the dust emission from Haul Road, Loading /Unloading and Transfer Points. Fugitive dust emission from all the sources is being regularly monitored and data is being recorded properly. Annexure-8		Date: 26/12/2023
4	AIR QUALITY	Vehicular emissions shall be kept under control and regularly

	MONITORING AND PRESERVATION	monitored. All the vehicles engaged in mining and allied activities shall operate only after obtaining 'PUC' Certificate from the authorized pollution testing centers.	
PPs Submission: Vehicular emission is being kept under control and is being monitored regularly. We assure that the engaged vehicle in mining and allied activities are PUC certified from authorized pollution testing centers.			Date: 26/12/2023
5	AIR QUALITY MONITORING AND PRESERVATION	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.	
PPs Submission: The Coal Stock pile/crusher/feeder and breaker material transfer points are already been provided with dust suppression system. We also assure that Belt conveyors will be fully covered to avoid air borne dust. Side cladding all along the conveyor gantry will be made to avoid air borne dust. A drill is being/ will be wet operated.			Date: 26/12/2023
6	AIR QUALITY MONITORING AND PRESERVATION	Coal handling plant shall be operated with effective measures w.r.t. various environmental parameter. Environment friendly sustainable technology should be implemented for mitigating such parameters.	
PPs Submission: We assure that Coal handling plant is being /will be operated with effective measures w.r.t. various environmental parameters. We also assure that Environment friendly sustainable technology will be implemented for mitigating such parameters.			Date: 26/12/2023
7	Corporate Environmental Responsibility	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 infringements/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.	
PPs Submission: Our Environmental policy duly approved by the Board of directors of the Company and dully signed by Joint Managing Director is attached as Annexure-9.			Date: 26/12/2023
8	Corporate Environmental Responsibility	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.	
PPs Submission: An Environmental Management Cell has already been set-up in the mine and company's H.O with qualified technical personnel under control of a Senior Executive, who will directly reporting to Head of the organization. Annexure-10			Date: 26/12/2023
9	Corporate Environmental Responsibility	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.	
PPs Submission: We accept the condition and assure that separate funds for environment			Date:

protection measures is being /will be kept and will not be diverted for any other purposes. Year wise progress of implementation of action plan will be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.		26/12/2023
10	Corporate Environmental Responsibility	Self environmental audit shall be conducted annually. Every three years third party Environmental audit shall be carried out.
PPs Submission: We accept the condition; We assure that self environmental audit will be conducted annually. We also assure that third party environmental audit conducted and report will be submitted every three years to the MOEF&CC.		Date: 26/12/2023
11	GREENBELT	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 Wildlife Department.
PPs Submission: We accept the condition. We would like to inform that no endangered/endemic flora /fauna reported in the study area.		Date: 26/12/2023
12	GREENBELT	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.
PPs Submission: We assure that Greenbelt consisting of 3-tier plantation of width 7.5 m will be developed all along the mine lease area as soon as possible. The green belt comprising a mix of native species (endemic species will be give on priority) will be developed all along the major approach/coal transportation roads. Further, we would like to inform that in order to greenbelt development, we have attched the Greenbelt Development Plan as Annexure-11		Date: 29/12/2023
13	Human Health Environment	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 checkup, 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.
PPs Submission: "Regular health survey for initial and periodical medical examination of the personnel engaged in the Coal Mining are being carried out and records are maintained accordingly as per the provisions of the Mines Rules, 1955 and DGMS circulars. We have appointed a Medical Doctor along with medical mobile van to cater the medical need of workers and nearby habitant.		Date: 29/12/2023
14	Human Health Environment	"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 health aspects."
PPs Submission: We have provided necceassry PPE's to all the personnel working in core zone dusty area and have imparted adequate training and information on safety and health aspects.		Date: 26/12/2023
15	LAND RECLAMATION	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 1:50,000 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).
PPs Submission: We accept the condition. We assure that Digital Survey of entire lease hold area/core zone using Satellite Remote Sensing survey will be carried out at least once in three years for monitoring land use pattern and report in 1:50,000 scale or as notified by (MOEFCC) from time to time will be submitted to MOEFCC/IRO. Further, we would like to inform that we have recently carried out DGPS survey of entire mining lease area and report submitted to MOEF&CC , IRO, Nava Raipur.		Date: 26/12/2023
16	LAND RECLAMATION	The final mine void depth should preferably be as per the approved Mine Closure Plan, and in case it exceeds 40m,adequate engineering interventions shall be provided for sustenance of aquatic life therein. The remaining area shall be backfilled and covered with thick and alive topsoil Post-mining land be rendered usable for agricultural 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 27th August, 2009 and subsequent amendments.
PPs Submission: We accept the condition.		Date: 26/12/2023
17	LAND RECLAMATION	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 EIA/EMP submitted to this Ministry. Progressive compliance status vis-a- vis the post mining land use pattern shall be submitted to the MOEFCC/RO.
PPs Submission: We assure that the entire excavated area, backfilling, external OB dumping (including top soil) and afforestation plan will be in conformity with the "during mining"/ "post mining" land-use pattern, which is an integral part of the approved Mining Plan and the EIA/EMP submitted to Ministry. Further also assure that Progressive compliance status vis -a-vis the post mining land use pattern will be submitted to the MOEFCC/ IRO.		Date: 26/12/2023
18	LAND RECLAMATION	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 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, back filling of mines. Compliance report shall be submitted to Regional Office of MoEF&CC, CPCB and SPCB.
PPs Submission: We accept the condition. We assure that Fly ash will 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.		Date: 26/12/2023
19	LAND RECLAMATION	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 top soil 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 dump 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 Ministry of Environment, Forest and Climate Change/Regional Office.	
	PPs Submission: The OB is being stacked at earmarked dump site and will not be active for a long period. Proper terracing of OB dump is being carried out and over all slop of the dump will not exceed 28 degree. After restart of mine operation in December 2021, The Back filling is proposed to start from 3rd year onwards as per the revised mining plan. The mine closure plan for 1.8 MTPA mining Capacity over a mining lease area of 277.100 Ha is has been approved by the Coal Controllers Organization. Management of rehabilitated areas along with Abandonment Cost (Cost of Activities to be taken up for closure of the mine) and Post Closure monitoring has been provided in details in the approved mine closure plan. We assure that monitoring and management of rehabilitated areas would be continuing until the vegetation becomes self-sustaining. We also assure that Compliance status of Monitoring and management of rehabilitated areas will be submitted to MOEF&CC/ IRO.		Date: 27/12/2023
20	LAND RECLAMATION	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.	
	PPs Submission: We accept the condition. No grazing land is involved in present lease area.		Date: 27/12/2023
21	MINING PLAN	Mining shall be carried out under strict adherence to provisions of the Mines Act 1952 and subordinate legislations made there-under as applicable.	
	PPs Submission: We accept the condition. Mining is being carried out as per provisions of Mines Act 1952.		Date: 27/12/2023
22	MINING PLAN	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).	
	PPs Submission: Mining is being carried out as per the approved mining plan and Mine Closure Plan abiding by mining laws related to coal mining and the relevant circulars issued by Directorate General Mines Safety (DGMS).		Date: 27/12/2023
23	MINING PLAN	No mining shall be carried out in forest land without obtaining Forestry Clearance as per Forest (Conservation) Act, 1980.	
	PPs Submission: We accept the condition .We assure that no mining is being/ will be carried out in forest land without obtaining Forestry Clearance as per Forest (Conservation) Act, 1980.		Date: 27/12/2023
24	MISCELLANEOUS	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.	
	PPs Submission: We have advertised about granting of the EC for production capacity enhancement of GP IV /7 coal mine, District Raigarh in 2 Local Newspapers i.e. Dainik Bhaskar and Kelo Pravah Raigarh Edition on 30.03.2023. Copy of New paper clipping is attached as per		Date: 27/12/2023

Annexure-13		
25	MISCELLANEOUS	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 turn has to display the same for 30 days from the date of receipt.
PPs Submission: Intimation about grant of EC for expansion of production capacity was submitted to CECB, Collector, CEO, Jila Panchayat, Gram Panchayat of village Khamaria, Bajarmuda and Saraitola vide our letter dated 31.03.2023.		Date: 27/12/2023
26	MISCELLANEOUS	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 basis.
PPs Submission: We assure that we will upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on company's website and update the same on half-yearly basis.		Date: 27/12/2023
27	MISCELLANEOUS	The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, 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.
PPs Submission: We accept the condition; Being complied herewith. We have regular monitoring of Ambient Air Quality and monitored data is being displayed on Main gate of the Mine. We have also installed AAQMS at Main gate of Mine near Karwahi village for online monitoring of PM10, PM 2.5, SO2, NOx and CO and data is continuously transferred to CECB & CPCB server.		Date: 27/12/2023
28	MISCELLANEOUS	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.
PPs Submission: We accept the condition. We are / will be submit the six monthly reports on the status of compliance of the stipulated Environmental conditions on the web site of MOEF&CC at Environmental Clearance portal.		Date: 27/12/2023
29	MISCELLANEOUS	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, 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'.
PPs Submission: We accept the condition and will follow the mitigation measures for Impact of mining activities on habitation and its related issues.		Date: 27/12/2023
30	MISCELLANEOUS	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.
PPs Submission: We accept the condition; we assure that the environmental statement for		Date:

financial year ending is being/will be submitted to CECB as per Environment (Protection) Rules, 1986, on 31st Mar or before 30th Sept of every year and is being uploaded on the company's website.		27/12/2023
31	MISCELLANEOUS	The project authorities shall inform to the Regional Office of the MOEFCC regarding Commencement of mining operations.
PPs Submission: Complied, we had informed the RO & MOEF&CC regarding the commencement of Mining operation vide our letter no-SEML/ENV/COAL/5540 DT- 15.06.2023.		Date: 27/12/2023
32	MISCELLANEOUS	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
PPs Submission: We accept the condition and we assure that we will strictly adhere to the stipulations made by the SPCB & CPCB.		Date: 27/12/2023
33	MISCELLANEOUS	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.
PPs Submission: We accept the condition.		Date: 27/12/2023
34	MISCELLANEOUS	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change.
PPs Submission: Noted, we accept the condition.		Date: 27/12/2023
35	MISCELLANEOUS	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.
PPs Submission: Noted		Date: 27/12/2023
36	MISCELLANEOUS	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
PPs Submission: Noted, we accept the condition.		Date: 27/12/2023
37	MISCELLANEOUS	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
PPs Submission: We accept the condition.		Date: 27/12/2023
38	MISCELLANEOUS	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.

PPs Submission: We assure that we will /being extend full co-operation to the officers of the Regional Office of MoEF&CC by furnishing the requisite data / information / monitoring Report etc.		Date: 27/12/2023
39	MISCELLANEOUS	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.
PPs Submission: We accept the condition. We have obtained CTE cum CTO from CECB for capacity enhancement from 1.2 to 1.44 MTPA. We have been granted Hazardous and other waste authorization for handling and disposal of Hazardous waste. We also taken policy related to Public Liability Insurance.		Date: 27/12/2023
40	MISCELLANEOUS	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.
PPs Submission: We accept the condition and assure that all the issues raised in the public hearing are being/will be implemented as per the EIA/EMP recommendations.		Date: 27/12/2023
41	MISCELLANEOUS	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. The Ministry or any other competent authority may stipulate any further condition for environmental protection.
PPs Submission: Noted, we accept the condition.		Date: 27/12/2023
42	MISCELLANEOUS	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.
PPs Submission: Noted		Date: 27/12/2023
43	MISCELLANEOUS	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.
PPs Submission: Noted, we accept the condition.		Date: 27/12/2023
44	MISCELLANEOUS	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.
PPs Submission: Noted, we accept the condition.		Date: 27/12/2023
45	MISCELLANEOUS	The Environmental 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.
PPs Submission: Noted, we accept the condition.		Date: 27/12/2023
46	MISCELLANEOUS	All the conditions stipulated in Ministry's EC letter and Transfer letter vide F. No. J-11015/37/2004-IA.II (M) dated 30.09.2005 and 11.05.2015 respectively shall remain unchanged.
PPs Submission: We accept the condition.		Date: 28/12/2023
47	Noise Monitoring & Prevention	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 earplugs/ muffs in conformity with the prescribed norms and guidelines in this regard. Adequate awareness programme for users to be conducted. Progress in usage of such accessories to be monitored.
PPs Submission: Adequate measures have been taken for control of noise level below 85 dBA in the work environment. Blasting is resorted in controlled manner to mitigate noise level. The person engaged in the drilling operation and blasting, we have provided earplugs & muffs. Awareness programme also organized for users.		Date: 28/12/2023
48	Noise Monitoring & Prevention	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.
PPs Submission: The noise level monitoring is being / will be carried out as per the prescribed guidelines to assessment of noise exposure of the workmen at vulnerable points in the mine premises, and report is being/ will be submitted to the IRO MOEF&CC on six-monthly basis. Attached as Annexure-15		Date: 29/12/2023
49	PUBLIC HEARING	Adequate illumination shall be ensured in all mine location (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.
PPs Submission: We accept the condition. We are/will be monitored as per DGMS standard; the report will be submitted on six monthly basis.		Date: 28/12/2023
50	PUBLIC HEARING	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.

PPs Submission: We accept the condition, we had already complied.		Date: 28/12/2023
51	PUBLIC HEARING	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, 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'.
PPs Submission: Being complied here with.		Date: 28/12/2023
52	Statutory compliance	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.
PPs Submission: No forest land involved in existing mining Lease area of 277.100 ha.		Date: 28/12/2023
53	Statutory compliance	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
PPs Submission: No any sighted species falls under schedule-I of Wildlife Protection Act 1972 and there are no National park, Sanctuary, Biosphere Reserve, Tiger reserves, Elephant Corridor and Wildlife Sanctuaries and Eco-Sensitive Zones fall within the 15 km from Coal mine Project.		Date: 28/12/2023
54	Statutory compliance	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).
PPs Submission: We accept the condition, No any Schedule-I species present within the 10 KM radius from our GPIV/7 coal mine.		Date: 28/12/2023
55	Statutory compliance	The project proponent shall obtain the necessary permission from the Central Ground Water Authority.
PPs Submission: Complied, we have been granted NOC from Central Ground Water Authority/ Central Ground Water Board for abstraction of Ground water and dewatering of mine pit seepage water vide its NOC no- CGWA/NOC/MIN/2022/17116. Attached as Annexure-16.		Date: 28/12/2023
56	Statutory compliance	Solid/ Hazardous waste generated in the mines needs to addressed in accordance to the Solid Waste Management Rules, 2016/ Hazardous & Other Waste Management Rules, 2016.
PPs Submission: Complied, we have been granted authorization under Hazardous & Other Waste Management Rules, 2016 for handling and disposal of Hazardous waste from CECB vide Letter no- 4237/HSMD/HO/CECB/2022 dt-19.09.2022. Copy of Authorization letter is enclosed as Annexure-17.		Date: 28/12/2023
57	WATER QUALITY	The effluent discharge (mine waste water, workshop effluent) shall

	MONITORING AND PRESERVATION	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.
PPs Submission: We have installed ETP and Oil & Grease separator for treatment of Waste water generated from Workshop. We have also provided Effluent Quality Monitoring (EQMS) system and data is being regular online transfer to CECB and CPCB server and quality is being maintained well below the prescribed standard of CECB/ CPCB. We have also constructed 3 No of settling tank for collection and treatment of Mine Seepage water along with Flow meter and PTZ camera in the mine premises and data is regular online transfer to CECB as well as CPCP server. Attached as Annexure-18.		Date: 28/12/2023
58	WATER QUALITY MONITORING AND PRESERVATION	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-20012/1/2006-1S.11 (M) dated 27th May, 2009 issued by Ministry of Environment, Forest and Climate Change shall also be referred in this regard for its compliance.
PPs Submission: We accept the condition, the monitoring data is displayed at main entry gate of Mine through AAQMS. Annexure-19		Date: 28/12/2023
59	WATER QUALITY MONITORING AND PRESERVATION	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 peizometers during the mining operations. The monitoring of ground water levels shall 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.
PPs Submission: Regular monitoring of ground water level and quality is being carried out in and around the mine lease area by establishing a network of existing wells and we have constructed new peizometers. The monitoring of ground water levels is being carried out four times a year i.e. pre-monsoon, monsoon, post-monsoon and winter. The Ground water quality monitoring report and the data thus collected is being sent regularly to MOEFCC/RO on yearly basis. Attached as Annexure-20.		Date: 28/12/2023
60	WATER QUALITY MONITORING AND PRESERVATION	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.
PPs Submission: We assure that monitoring of water quality upstream and downstream of water bodies will be carried out once in six months and records of monitoring data will be maintained and submitted to the Ministry of Environment, Forest and Climate Change/ Integrated Regional Office, Naya Raipur.		Date: 29/12/2023
61	WATER QUALITY MONITORING AND PRESERVATION	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.
PPs Submission: We assure that Ground water, excluding mine water, are/will not being used for mining operations. Rain water harvesting is being implemented for conservation and augmentation of ground water resources.		Date: 29/12/2023
62	WATER QUALITY MONITORING AND PRESERVATION	Catch and/or garland drains and siltation ponds in adequate numbers and appropriate size shall be constructed around the mine working, coal heaps & OB dumps to prevent run off of water and flow of sediments directly into the river and water bodies. Further,

		<p>dump material Shall be properly 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.</p>
<p>PPs Submission: We have constructed catch drains, garland drains and siltation ponds of appropriate size to arrest silt and sediments flows from Coal heaps and OB dumps to prevent run off of water and flow of sediments directly into the river and water bodies. Dump materials is being properly consolidated/ compacted and accumulation of water over dumps will be avoided by providing adequate channels for flows of silt into the drains. The drains are being/will be regularly de-silted before onset of monsoon and maintained properly. We have made sump capacity of adequate retention period to allow proper settling of silt material. The collected water from sump is being utilized for dust suppression in the mine area, roads, green belt development etc. Dimension of the retaining wall at the toe of dumps and over burden benches within the mine of check run-off and siltation has been design based on the rain fall data. We assure that plantation of native species will be made between toe of the dump and adjacent field/habitation/water bodies. Attached as Annexure-21.</p>		<p>Date: 29/12/2023</p>
63	WATER QUALITY MONITORING AND PRESERVATION	<p>Adequate ground water 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).</p>
<p>PPs Submission: We assure that adequate ground water recharge measures are being/will be taken up for augmentation of ground water. We also assure that we will meet water requirement of nearby village(s) after due treatment conforming to the specific requirement (standards).</p>		<p>Date: 29/12/2023</p>
64	WATER QUALITY MONITORING AND PRESERVATION	<p>"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 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."</p>
<p>PPs Submission: Industrial waste water generated from workshop and mine sump are being properly collected and treated in ETP and settling tanks and quality is being maintained well below the prescribed standards of CPCB and CECB. Domestic waste water is being collected in septic tank attached with soak pit in the mine premises. Further we would like to inform that at present CHP is not installed in the Mine premises. We will install CHP after getting CTE from CECB shortly. Attached as Annexure-22.</p>		<p>Date: 29/12/2023</p>
65	WATER QUALITY MONITORING AND PRESERVATION	<p>The water pumped out from the Mine, after-Siltation, shall be utilized for industrial purpose viz. watering the mine area, roads, greenbelt development etc. The drains shall be regularly desilted particularly after monsoon and maintained properly.</p>
<p>PPs Submission: The water pumped out from the Mine, after-Siltation, is being / will be utilized for industrial purpose such as watering the mine area, roads, greenbelt development etc. The drains are being/will be regularly de-silted after monsoon season and maintained properly.</p>		<p>Date: 29/12/2023</p>
66	WATER QUALITY MONITORING AND PRESERVATION	<p>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</p>

		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/GoI Authority. The construction of embankment to prevent any danger against in rush 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.
PPs Submission: We accept the condition. Surface drainage plan along with surface water conservation plan has been prepared as per approved mining plan. No any natural water courses will be diverted at present lease area.		Date: 29/12/2023
67	WATER QUALITY MONITORING AND PRESERVATION	The project proponent shall take all precautionary measures to ensure riverine/riparian ecosystem in and around the coal mine upto a distance of 5km. A riverine /riparian ecosystem conservation and management plan should be prepared and implemented in consultation with the irrigation / water resource department in the state government.
PPs Submission: We accept the condition.		Date: 29/12/2023
68	Statutory compliance	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.
PPs Submission: Complied, we have been granted CTE cum CTO for capacity enhancement of our GPIV/7 coal mine from 1.2 MTPA to 1.44 MTPA, under water and Air act from CECB, vide its letter dt.25.05.2023. Annexure-2		Date: 29/12/2023
69	Noise Monitoring & Prevention	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.
PPs Submission: Most of the coal is being excavated through surface miner (a blast free technology) thereby minimizing the blasting requirement and its adverse affect Blasting operations (when required) is being carried out only in the day time, Controlled blasting is being practiced in order to mitigate ground vibrations, fly rocks ,noise and air blast etc , as per DGMS prescribed guide lines. Annexures-14		Date: 29/12/2023
Visit Remarks		
Last Site Visit Report Date:		29/06/2023
Additional Remarks:		Submission of Half Yearly compliance status for the period Apr-23 to Sep-23, of conditions stipulated in Environmental Clearance vide File no. J-11015/37/2004-IA-II(M) dated 24.03.2023 for Gare Palma IV/7 Open cast Coal Mine located in village(s) – Karwahi, Khamaria, Saraitola, Dholnara, & Bajarmuda, Tehsil –Tamnar, District – Raigarh, (C.G.) by Sarda Energy & Minerals Ltd.