		23				
	CLEARANCE		To,	(I The Director FERRO ALLOYS	invironmei impact Ass CORPORATI	
				Bhadrak,ODISHA	,,Bhadrak,Oris	axmibhawan,Kuansh,Po/Dist- ssa-756100
PARIVESH	and Responsive Facilitation by Interactive,	uous Environment Single-Window Hub)	Sir/Mada in resp IA/OR/II clearand 1. EC 2. File 3. Pro 4. Cat 5. Pro 5. Sci 6. Nat 7. Nat	under the provisio am, This is in refere	on of EIA Notifience to your ap submitted to ed 31 Aug 20 project are as	ece (EC) to the proposed Project Activity ication 2006-regarding oplication for Environmental Clearance (EC) the Ministry vide proposal number 22. The particulars of the environmental below. EC22A008OR193113 J-11011/594/2008IA.II(I) Expansion A 3(a) Metallurgical industries (ferrous & non ferrous) Installation of Induction Furnace FERRO ALLOYS CORPORATION LTD Orissa
0	esp.	INC		R Date		12 Dec 2008
	(Pro-Active and R	d Virtuous E	The proje no 2 onw		h terms and c	onditions are appended herewith from page (e-signed)
	-0	an	Data: 21	40/2022		Dr. R. B. Lal Scientist E
	(P)		Date: 31	/10/2022		IA - (Industrial Projects - 1 sector)
	Materian Anterian		number number		rated from P respondenc	
	A					

F. No. J-11011/594/2008-IA. II(I) Government of India Ministry of Environment, Forest and Climate Change (I.A. Division – Industry I sector)

Indira Paryavaran Bhawan Vayu Wing, 3rd Floor, Jor Bagh Road, Aliganj, New Delhi – 110003

Dated: 31st October, 2022

To,

M/s. Ferro Alloys Corporation Ltd. D.P.Nagar Randia, District-Bhadrak, Orissa-756135 Email: <u>facor.mines@vedanta.co.in</u>

Project: Expansion of Ferro alloys Plant High Carbon Ferro Chrome production from 75,000 TPA (from 1 X 45 MVA SAF) and 6300 TPA from MRP up to 1,45,000 TPA (from 1 X 45 MVA & 1 X 33 MVA SAF) and 11,800 TPA from MRP by M/s Ferro Alloys Corporation Ltd., located at Village-Randia, District-Bhadrak, Odisha –Grant of Environmental Clearance.

Sir,

This refers to your proposal no. IA/OR/IND/5802/2009 dated 31.08.2022 received through PARIVESH Portal for grant of Environmental Clearance (EC) for the project mentioned above. Further, the Project proponent has uploaded the information on parivesh portal on 06.10.2022.

2. As per the provisions of the Environment Impact Assessment (EIA) Notification, 2006, the above-mentioned project/activity is covered under category 'A' of schedule no. <u>3(a) Metallurgical</u> Industries (ferrous & non-ferrous) and appraised at Central Level.

3. The above-mentioned proposal has been considered in <u>13th meeting of Expert Appraisal</u> <u>Committee (Industry-1 Sector) held on 14-15th September, 2022</u>. The minutes of the meeting and all the project documents are available on PARIVESH portal which can be accessed at <u>https://parivesh.nic.in.</u>

4. The details of the proposal are as per the EIA/EMP report submitted by the proponent. The salient features of the proposal as presented during the above-mentioned meetings of EAC (Industry 1 Sector) are as under: -

S. No.	Particulars	Details
a.	Terms of	
	Reference for	22.02.2022
	undertaking EIA	
	study	
b.	Period of	
	baseline data	01.12.2019 to 29.02.2020
	collection	
с.	Date of Public	
	Consultation	31.05.2022
d.	Action plan to	An amount of Rs. 35.97 Crores have been earmarked to address the
	address the PH	issues raised during public hearing and need based activity. Detail

1

S. No.	Particulars	Details							
	issues	of activities proposed attached as Annexure 1.							
e.	Location of the project	Village-R	andia, District-Bl	nadrak, Oc	lisha				
f.	Latitude and		1						
	Longitude of the	SL NO	LATITUDE		GITUDE				
	project site	1	21°4'7.15''N	86°27	7'0.44''E				
		2	21° 4'7.35"N	86°27	7'0.41"E				
		3	21° 4'17.02"N	86°27	7'26.47"E				
		4	21° 4'1.13"N	86°27	7'59.38"E				
		5	21° 3'49.87"N	86°27	7'49.98"E				
		6	21° 3'48.36"N	86°27	7'50.33"E				
		7	21° 3'40.44"N	86°27	7'30.94"E				
		8	21° 3'40.20"N	86°27	7'26.81"E				
		9	21° 3'40.91"N	86°27	'2 <mark>4.15</mark> "E				
	10	10	21° 3'57.62"N	86°27	7'14.47"E				
	- A.S.	11	21° 3'56.16"N	86°27	7'11.33"E				
	11	12 21° 3'58.55"N 86°27'9.							
		13	21° 3'57.03"N	86°27	7 <mark>6.50</mark> "E				
	1 / 6	14	21° 4'1.38"N	86°27	7'2. <mark>66</mark> "E				
g.	Total land	83.16 ha	Private Land]						
i.	details as per MoEF&CC O.M. dated 7/10/2014 Existence of habitation &	Project si Study Ai	ite: No habitation	exists in t	the plant s	site			
	involvement of			D:	Dinet				
	R&R, if any	Habitation Randia V		Distance 0.53	Directio	n			
	1 4 N	Baghurai	0	0.33	NE SSE	F			
	100	Sahapur	•	3.05	NNE				
	1 1	^	ia Village	1.05	SW	_			
			riha Village	1.05	W				
			lia Village	3.74	SW				
		Bishnupu	u	3.12	SSW	_			
j.	Elevation of the project site	23 m abo	ve mean sea level		•				
k.	Involvement of Forest land if any.	No involv	vement of Forest l	Land.					
1.	Water body	Project Site: Randia							
	exists within the	Study are							
	project site as	Water b		Distance		Direction			
	well as study area	Salandi R	River	500 m		E			
	arca	Akhaupa Main can	U U	500 m		S			

S. No.	Particulars		Details	
m.	Existence of ESZ	Nil		
	/ ESA / national			
	park / wildlife			
	Sanctuary /			
	biosphere			
	Reserve / tiger			
	reserve / elephant			
	reserve etc. if			
	any within the			
	study area			
n.	Project cost	The capital cost	of the expansion project i	s Rs.151 Crores
0.	EMP cost	Туре	Capital	Recurring
			(Rs. in Crores)	(Rs. in Crores)
		Proposed	33.74	3.25
р.	Employment	The employmer	nt generation from the prop	posed expansion project is
	opportunity 🥖	500 direct empl	oyment & 1000 indirect er	nployment.
q.	Water and Power		ater requirement after the	
	requirement	be 2521 KLD, 7	Fotal Power required for af	ter the proposed
		expansion will l	be 68 MW	*

Unit configuration and capacity:

S. Plant No Equip Ment / Facility		Equip Ment / Total		ies as per EC dated 04.05.2009 and am 21.11.2012 Implemented (A) Un- implemented (B)			nendment dated As per CTO		Proposed Units		Final (Existing + Proposed)		
		Configuration	Capacity	Configuration	Capacity	Configuration	Capacity	Configuration (1997)	Capacity	Configuration	Capacity	Configuration	Capacity
1	Submerged Arc Furnace	2 X 45 MVA	130000 TI	1 X 45 MVA	65000 TPA	1 X 45 MVA	65000 TPA	1 X 45 MVA	75000 TPA	1 X 33 MVA	70000	1 X 45 MVA + 1 X 33 MVA	1,45,000 Ton /Annum
2	Metal RecoveryPla nt	-	6,300 TPA	-07	6,300 TPA	s if	6,300 TPA	42 ^W	6,300 TPA	-	5500	-	11,800 TPA

5. The EAC, in its meeting held during 14-15th September, 2022, inter-alia, deliberated the following:

- i. The instant proposal is for expansion of Ferro Alloys Plant for production of High Carbon Ferro Chrome from 75,000 TPA through 1X 45 MVA Furnace and 6,300 TPA from MRP up to 1,45,000 TPA from 1X45 MVA & 1X 33 MVA Furnaces and 11,800 TPA from MRP within the existing premises.
- ii. The EAC, constituted under the provision of the EIA Notification, 2006 comprising Expert Members/domain experts in various fields, examined the proposal submitted by the Project Proponent in desired format along with EIA/EMP reports prepared and submitted by the Consultant accredited by the QCI/ NABET on behalf of the Project Proponent.

- iii. The EAC noted that the Project Proponent has given an undertaking that the data and information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the EIA/EMP reports. If any part of data/information submitted is found to be false/ misleading at any stage, the project will be rejected and Environmental Clearance given, if any, will be revoked at the risk and cost of the project proponent.
- iv. The existing project was initially granted Environment Clearance vide letter No. J-11011/594/2008- IA II (I) dated 04.05.2009 for expansion of existing 1x45MVA furnace to add another 1x45 MVA new furnace (High Carbon Ferro Chrome, 65,000 TPA to 1,30,000 TPA). Amendment in EC was obtained vide letter dated 21.11.2012 to reduce the new furnace capacity from 45MVA to 27MVA (High Carbon Ferro Chrome from 1,30,000 TPA to 1,15,000 TPA). EC validity extension was obtained vide letter dated 13.01.2017 and thus EC was valid till 03.05.2019. PP has further clarified that the construction work of 27MVA furnace foundation was started after obtaining CTE vide lr.no. 2066/IND-II-NOC-6051 dated 13.02.2017 within the validity of EC up to 03.05.2019. However, the total construction was not completed and left as it is and taken over by the new proponent. The production quantity has always been maintained within the permissible limit as per CTO in line with accorded EC. Latest Consent to Operate for the existing unit was accorded by Odisha State Pollution Control Board vide lr. No.4949/IND-I-CON-5461 dated 29.03.2022. The validity of CTO is up to 31.03.2026.
- v. The Committee noted that the EIA reports are in compliance of the ToR issued for the project, reflecting the present environmental status and the projected scenario for all the environmental components. The Committee deliberated on the proposed mitigation measure towards Air, Water, Noise and Soil pollutions. The Committee suggested that the storage of toxic/explosive raw materials/products shall be undertaken with utmost precautions and following the safety norms and best practices.
- vi. The total project area is 83.16 ha which is in possession of FACL. Land has been acquired and allocated to the Industry by IDCO, Bhubaneswar.
- vii. The water requirement for the proposed project is estimated as 2521 KLD, out of which 1750 KLD of fresh water requirement will be obtained from Ground water.
- viii. Salandi River (0.5 km, E) and Akhaupada High Level Main canal (0.5 km, S) exists within the study area of 10 km around the project site. The EAC is of the opinion that water bodies shall not be disturbed. Mitigation measures w.r.t. safeguarding the water bodies shall be implemented.
- ix. The EAC deliberated on elevation of Salandi river bed, river bank, observed high flood level and base elevation of the plant boundary. PP has reported that the elevation difference between high flood level and plant boundary is approximately 1.8m-2.0m. In addition, the plant has erected 2m high concrete boundary wall, along with thick greenbelt adjacent to the boundary. PP was advised to reinforce the existing boundary wall for better flood protection, PP has committed to do so.
- x. The Committee has found that the baseline data and incremental GLC due to the proposed project within NAAQ standards.

- xi. The EAC noted that the existing green belt has been developed in 27.49 Ha area which is about 33.05 % of the total project area of 83.16 Ha with total sapling of 37730 Trees. Proposed greenbelt will be developed in additional 1.5 ha which is about 1.8% of the total project area. Thus a total of 28.99 ha area (34.84 % of total project area) will be developed as greenbelt. Total no. of 30000 saplings will be planted in this season and nurtured in 28.99 hectares. The Committee deliberated on the action plan and budget allocation for green belt development and found it satisfactory.
- xii. The committee deliberated details of carbon foot prints and carbon sequestration study w.r.t. proposed project and found them to be satisfactory.
- xiii. The Committee also deliberated on the public hearing issues along with revised action plan submitted by the proponent to address the issues raised during the public hearing and found it satisfactory.
- xiv. The Committee deliberated upon the certified compliance report of IRO and the Action taken report of PP and found it satisfactory. The EAC also took into account the revised timeline for installation of AAQMS and OCEMS by 30th September 2022 submitted by PP through an affidavit in an India non judicial stamp certificate dated 14.09.2022.
- xv. The Committee deliberated upon the written submission of the Project Proponent and found it satisfactory.
- xvi. The EAC deliberated on the proposal with due diligence in the process as notified under the provisions of the EIA Notification, 2006, as amended from time to time and accordingly made the recommendations to the proposal. The Experts Members of the EAC found the proposal in order and recommended for grant of environmental clearance.
- xvii. The environmental clearance recommended to the project/activity is strictly under the provisions of the EIA Notification 2006 and its subsequent amendments. It does not tantamount/construe to approvals/consent/permissions etc. required to be obtained or standards/conditions to be followed under any other Acts/ Rules/ Subordinate legislations, etc., as may be applicable to the project. The project proponent shall obtain necessary permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, as applicable from time to time, from the State Pollution Control Board, prior to construction & operation of the project.

6. The EAC, in its 13th meeting of Expert Appraisal Committee (Industry-1 Sector) held on 14-15th September, 2022, based on information & clarifications provided by the project proponent and after detailed deliberations **recommended** the proposal for grant of Environment Clearance subject to subject to uploading the written submission on portal under the provisions of EIA Notification, 2006 subject to the stipulation of following specific conditions and general conditions as per the Ministry's Office Memorandum No. 22-34/2018-III dated 9/8/2018 based on project specific requirements

7. The MoEF&CC has examined the proposal in accordance with the Environment Impact Assessment (EIA) Notification, 2006 & further amendments thereto and after accepting the recommendations of the Expert Appraisal Committee (Industry-1 Sector) hereby decided to grant Environment Clearance for instant proposal of **M/s Ferro Alloys Corporation Ltd.** under the provisions of EIA Notification, 2006 subject to the following specific conditions and general conditions:

A. <u>Specific Conditions:</u>

- i. The project proponent shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.
- ii. The project proponent shall utilize modern technologies for capturing of carbon emitted and shall also develop carbon sink/carbon sequestration resources capable of capturing more than emitted. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.
- iii. The project proponent shall strictly comply with the timelines as per submitted ATR on the partially/non-complied conditions of previous EC(s) observed by IRO. The revised timeline for installation of AAQMS and OCEMS shall be complied. The status of the same shall be submitted to IRO, MoEF&CC.
- iv. The Salandi River (0.5 km, E) and Akhaupada High Level Main canal (0.5 km, S) exists within the study area of 10 km around the project site. A robust and full proof Drainage Conservation scheme to protect the natural drainage and its flow parameters along with Soil conservation scheme and multiple Erosion control measures shall be implemented.
- v. The PP shall undertake flood protection measures due to presence of Salandi river as committed.
- vi. Following additional arrangements to control fugitive dust shall be provided:
 - a. Fog / Mist Sprinklers at all conveyors point and on bulk raw material storage area (at the transfer points) like Iron Ore, Coal and for Fly Ash and similar solid waste storage areas.
 - b. Proper covered vehicle shall be used while transport of materials.
 - c. Wheel washing mechanism shall be provided in entry and exit gates with complete recirculation system.
- vii. All internal road and connecting road from project site to main highway shall be developed and maintained with suitable Million Axle Standard (MSA) as per the traffic load due to existing and proposed project.
- viii. Performance test shall be conducted on all pollution control systems every year and report shall be submitted to Regional Office of the MoEF&CC.
- ix. Particulate matter emission from stacks shall be less than 30 mg/Nm³.
- x. PP shall carry out periodically occupational health survey as per the applicable norms.
- xi. The 4th hole extraction system shall be provided in the Sub Merged Arc Furnaces.
- xii. 100% of the slag generated through the process shall be utilised.
- xiii. The water requirement for the proposed project is estimated as 2521 KLD, out of which 1750 KLD of fresh water requirement shall be obtained from Ground water. Necessary permission shall be obtained from the Competent Authority in this regard. PP shall explore the possibility of shifting to alternate source of water to reduce dependency on groundwater.
- xiv. The proposed project shall be designed as "Zero Liquid Discharge" Plant. ETP shall be installed and there shall be no discharge of effluent from the plant. Domestic effluent shall be treated in Sewage Treatment Plant. Suitable measures shall be adopted for sewage water handling to ensure no contamination of any kind of water body.

- xv. The company shall also undertake rain water harvesting measures as per the plan submitted in the EIA/EMP report and reduce water dependence from the outside source.
- xvi. PP shall adopt nearby villages and prepare and implement a robust plan to develop them into model villages in next 10 years.
- xvii. Briquetting and Jigging plant shall be installed in Ferro Alloys Plant.
- xviii. A proper action plan must be implemented to dispose of the electronic waste generated in the industry.
 - xix. Three tier Green Belt shall be developed in at least 33% of the project area in a time frame of one year with native species all along the periphery of the project site of adequate width and tree density shall not be less than 2500 per ha. Survival rate of green belt developed shall be monitored on periodic basis to ensure that damaged plants are replaced with new plants in the subsequent years. Compliance status in this regard, shall be submitted to concerned Regional Office of the MoEF&CC.
 - xx. Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.
- xxi. The PP shall minimize the evaporation losses in jigging operation to less than 10% using suitable advanced process.
- xxii. The PP shall install CO sensors at the furnace top level and the monitoring report shall be submitted to the IRO, MOEFCC in this regard.
- xxiii. All the commitments made to the public during the Public Hearing/Public Consultation shall be satisfactorily implemented. The action plan based on the social impact assessment study of the project as per the EMP in accordance to the Ministry's OM dated 30.09.2020 shall be strictly implemented and progress shall be submitted to the Regional Office of MoEF&CC.
- xxiv. The PP shall strengthen the social entrepreneurship opportunities; strengthen Self Help Groups into SMEs; strengthen Health infrastructure in the surrounding nearby villages and the compliance report in this regard needs to be submitted to IRO, MoEFCC.
- xxv. The Plastic Waste Management Rules 2016, inter-alia, mandated banning of identified Single Use Plastic (SUP) items with effect from 01/07/2022. In this regard, CPCB has issued a direction to all the State Pollution Control Boards (SPCBs)/Pollution Control Committees (PCCs) on 30/06/2022 to ensure the compliance of Notification published by Ministry on 12/08/2021. The technical guidelines issued by the CPCB in this regard is available at https://cpcb.nic.in/technical-guidelines-3/. All the project proponents are hereby requested to sensitize and create awareness among people working within the Project area as well as its surrounding area on the ban of SUP in order to ensure the compliance of Notification published by this Ministry on 12/08/2021. A report, along with photographs, on the measures taken shall also be included in the six monthly compliance report being submitted by the project proponents.
- xxvi. The project proponent shall adopt the Clean Air practices like mechanical collectors, wet scrubbers, fabric filters (bag houses), electrostatic precipitators, combustion systems (thermal oxidizers), condensers, absorbers, adsorbers, and biological degradation. Controlling emissions related to transportation shall include emission controls on vehicles as well as use of cleaner fuels. Sufficient numbers of additional truck mounted Fog/Mist water cannons shall be procured and operated regularly inside the project premises and also in the surrounding villages to arrest suspended dust in the atmosphere.

B. <u>General Conditions</u>

I. Statutory compliance:

i. The Environment Clearance (EC) granted to the project/ activity is strictly under the provisions of the EIA Notification, 2006 and its amendments issued from time to time. It does not tantamount/ construe to approvals/ consent/ permissions etc., required to be obtained or standards/conditions to be followed under any other Acts/Rules/Subordinate legislations, etc., as may be applicable to the project.

II. Air quality monitoring and preservation

- i. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission as well as two Continuous Ambient Air Quality Station (CAAQS) for monitoring AAQ parameters with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time. The CEMS and CAAQMS shall be connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- ii. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- iii. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.
- iv. The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
- v. Recycle and reuse iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after briquetting/ agglomeration.
- vi. The project proponent shall ensure covered transportation and conveying of ore, coal and other raw material to prevent spillage and dust generation.
- vii. The project proponent shall provide primary and secondary fume extraction system at all melting furnaces.
- viii. Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.

III. Water quality monitoring and preservation

- The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 (G.S.R 414 (E) dated 30th May 2008; G.S.R 277 (E) dated 31st March 2012 (applicable to IF/EAF); as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- ii. The project proponent shall monitor regularly ground water quality at least twice a year (preand post-monsoon) at sufficient numbers of piezometers/sampling wells in the plant and

adjacent areas through labs recognised under Environment (Protection) Act, 1986 and NABL accredited laboratories.

- iii. Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.
- iv. The project proponent shall provide the ETP for effluents of rolling mills to meet the standards prescribed in G.S.R 277 (E) 31st March 2012 (applicable to IF/EAF) as amended from time to time.
- v. Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.
- vi. Tyre washing facilities shall be provided at the entrance/exit of the plant gates.

IV. Noise monitoring and prevention

i. Noise quality shall be monitored as per the prescribed Noise Pollution (Regulation and Control) Rules, 2000 and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.

V. Energy Conservation measures

i. Energy conservation measures may be adopted such as adoption of solar energy and provision of LED lights etc., to minimize the energy consumption.

VI. Waste management

- i. Used refractories shall be recycled.
- ii. Kitchen waste shall be composted or converted to biogas for further use.

VII. Green Belt

- i. The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration including plantation.
- ii. Project proponent shall submit a study report on De-carbonization program, which would essentially consist of company's carbon emissions, carbon budgeting/ balancing, carbon sequestration activities and carbon capture, use and storage and offsetting strategies. Further, the report shall also contain time bound action plan to reduce its carbon intensity of its operations and supply chains, energy transition pathway from fossil fuels to Renewable energy etc. All these activities/ assessments should be measurable and monitor able with defined time frames.

VIII. Public hearing and Human health issues

- i. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- ii. The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
- iii. Occupational health surveillance of the workers shall be done on a regular basis and records maintained.

IX. Environment Management

- i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 30/09/2020. As part of Corporate Environment Responsibility (CER) activity, company shall adopt nearby villages based on the socio-economic survey and undertake community developmental activities in consultation with the village Panchayat and the District Administration as committed.
- ii. The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any 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. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
- ii. 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.

X. Miscellaneous

- i. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
- ii. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- iii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- iv. The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) 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.
- v. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
- vi. 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.
- vii. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- viii. 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.

- The PP shall put all the environment related expenditure, expenditure related to Action Plan on ix. the PH issues, and other commitments made in the EIA/EMP Report etc. in the company web site for the information to public/public domain. The PP shall also put the information on the left over funds allocated to EMP and PH as committed in the earlier ECs and shall be carried out and spent in next three years, in the company web site for the information to public/public domain.
- No further expansion or modifications in the plant shall be carried out without prior approval of x. the Ministry of Environment, Forests and Climate Change (MoEF&CC).
- The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The xi. project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.

8. The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.

9. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.

Any appeal against this environmental clearance shall lie with the National Green Tribunal, if 10. preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

The above conditions shall be enforced, inter-alia under the provisions of the Water 11. (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 Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules 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.

12. This issues with approval of the competent authority.

Porcets if She is (Dr. R. B. Lal) Scientist 'E'/Additional Director Tel: 011-20819346 Email-rb.lal@nic.in

Encl. as above at Annexure –I

Copy to: -

- 1. Secretary, Department of Environment, Government of Odisha, Secretariat, Bhubaneswar.
- 2. The Director General of Forest, Ministry of Environment, Forest and Climate Change, New Delhi
- 3. Regional Officer, Ministry of Environment, Forest and Climate Change, Integrated Regional Office, A/3, Chandersekharpur, Bhubaneswar – 751023.

- 4. Chairman, Central Pollution Control Board, CBD-Cum-Office Complex, East Arjun Nagar, New Delhi-110 032.
- 5. Chairman, Odisha State Pollution Control Board, Parivesh Bhawan, A/118 Nilakantha Nagar, Unit-VIII, Bhubaneshwar-751012.
- 6. Chief Wildlife Warden, Govt. of Odisha, 5th Floor, BDA Apartments, Prakruti Bhawan, Nilakantha Nagar, Nayapalli, Bhubaneshwar-751012
- 7. The Member Secretary, Central Ground Water Authority, Jamnagar House, 18/11, Man Singh Road Area, New Delhi, Delhi 110001
- 8. District Collector, District Keonjhar, Odisha.
- 9. Guard File/Monitoring File/Website/Record File/Parivesh Portal.

(Dr. R. B. Lal) Scientist 'E'/Additional Director Tel: 011-20819346 Email-rb.lal@nic.in Protect 10 15 8

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Annexure – 1

S.No.	Issues raised	Commitment by Project	Action plan with time frame and budget							
	during	Proponent	Budget	Time bou						
	Public		allocated	-4	In La	kh)	4			
	Hearing		in Rs.	1 st Year	2 nd	3 rd	4 th			
1	.		Lakhs	171 (0	Year	Year	Year			
1	Environment Protection	1. Surface Run-off Treatment Plant (SRTP),	183.69	171.69	3	5	4			
	Frotection	2. Sewage Treatment Plant	51	35	4	7	5			
		(STP),	51	55	-	,	5			
		3. Rainwater harvesting	30	7	6	5	12			
		4. Upgradation of existing Gas	1863	1823	12	12	16			
		Cleaning Plant (GCP) &	0							
		Installation of new Gas Cleaning	32.20							
		Plant (GCP)	24	10	4	4	4			
		5. Water Channels for ETP & RWH	24	12	4	4	4			
		6. Dust Extraction System	212	175	20	5	12			
		(DES) will be installed control of	212	11.5	20	5	12			
		air pollution. Installation of								
		Online CEMS & CAAQMS								
2	Local people	200 health Camps in Six Gram	120	30	30	30	30			
	demanded for	Panchayats will be conducted on								
	regular health	yearly basis.	1 . A . A		1.1					
	check-ups at village level		20	- 20 h -						
3	Local	Basic equipments for two	52		26	26				
5	Dispensaries	dispensaries will be supplied in	52		20	20				
	are in bad	Barpada village and Baghuria		- A 🖉	11					
	shape without	Village		_	10	1 - I				
	manpower		- /	/	10					
	and		1	11	$r \gg$					
	equipments and hence			//	100					
	needs support	2 N		//						
	by the	CA		1.15						
	Industry	13		. N. 1						
4	Adequate	1. Material Handling Area, Waste	18.66	12.18	2.16	2.16	2.16			
	greenbelt	dump, Internal Road Sides &	S. 1960.							
	should be	Boundary Areas; 9000 trees of								
	developed	Neem, Chakunda, Akasia, Amla,								
		Debadaru types 2. Within Randia Village; 420	42.63	12.63	6	4.00	20			
		trees of Bela & Debdaru Plants	72.05	12.05	0	ч.00	20			
		etc.								
		Within Koronta Village; 450								
		trees of Karanja & Mango trees								
		etc								
		Within Saramanga Village; 400								
		trees of Chakunda & Mango trees etc								
		Additional 4000 fruit bearing								
		trees will be distributed to local								
		individuals of five Panchayats								

S.No.	Issues raised	Commitment by Project	Action plan with time frame and budget							
	during	Proponent	Budget	Time bound budget provision (Rs. In Lakh)						
	Public		allocated							
	Hearing		in Rs.	1 st Year	2^{nd}	3 rd	4 th			
			Lakhs		Year	Year	Year			
		under social forestry program								
5	Promoting	100 Numbers of Anganwadi	800	200	200	200	200			
	Primary	centres for improving Pre-school								
	/Secondary	facility for Children in nearby								
	educations	Gram Panchayats.								
	for nearby									
6	villages Some	Each year PP would be	80	20	20	20	20			
0	assistance to	Each year PP would be partnering with local SHGs for	80	20	20	20	20			
	local SHGs	their skill enhancement.								
	for livelihood	250 women entreprenuers would	C							
	Support	be supported.	C 10							
	Support	supported.		1.60						
		SMEs with market linkage:		19 A M						
		Promotion of Local Craft like,		100						
		Bamboo Craft Making,		\sim						
		Pisciculture, Small Trades such		\sim						
		as Chappal Making, Agarwati		N 1						
		etc.			<u>۲</u>					
		Agri Based Interventions			<u> </u>					
7	Local Youths	120 Local Youths will be given	120	30	30	30	30			
	need to	basic Skill Training every year		Sec.						
	enhance their	for four years based on their		18.01						
	skill level	basic educational qualification	1 1 1							
		chosen from surrounding six	1							
		number of Panchayats	2 50 6 00		2(2.1)	250.16	2000			
		Total ***	3,596.98	2,528.50	363.16	350.16	355.16			
	2	Protocts if	She	255						

EC Identification No. - EC22A008OR193113 File No. - J-11011/594/2008.-IA.II(I) Date of Issue EC - 31/10/2022 Page 15 of 15