

File No: IA-J-11011/518/2021-IA-II(IND-I)

Government of India Ministry of Environment, Forest and Climate Change IA Division ***



Date 12/10/2023

To,



M/s. ORISSA ALLOY STEEL PVT. LTD. ROOM NO 3 B, 1, GARSTIN PLACE KOLKATA, KOLKATA, MEDINIPUR WEST, WEST **BENGAL**, 700001 Email: orissaalloysteelprivateltd@gmail.com Subject: Integrated Steel Plant of capacity 0.9 Million Ton per Annum (Finished Steel) along with 137 MW (92 MW WHRB based & 45 MW Coal and Dolochar mix based) Captive Power Plant by M/s Orissa Alloy Steel Pvt. Ltd., located at Mouza - Chakganesh (J.L. No. 225), Malipur (J.L. No. 226) &Baradiha (J.L. No. 227), P.O. - Jakpur BO, P.S.- Kharagpur (Local), Dist. - Paschim Medinipur, West Bengal – Grant of Environmental Clearance under the provisions EIA Notification, 2006 -regarding. Sir/Madam, This refers to your proposal no IA/WB/IND1/409595/2022 dated 19.05.2023 along with copy of EIA report, Forms (Part A, B and C) seeking Environment Clearance (EC) under the provisions of the EIA Notification, 2006 for the project mentioned above. Further PP has uploaded the ADS reply on 14.08.2023. 2. The particulars of the proposal are as below : (i) EC Identification No. EC22A1001WB5860208N (ii) File No. IA-J-11011/518/2021-IA-II(IND-I) Fresh EC (iii) Clearance Type

А

3(a) Metallurgical Industries (ferrous and non ferrous),4(b) Coke oven plants,2(b) Mineral beneficiation,2(a) Coal washeries,1(d) Thermal Power Plants,1(d) Thermal Power Plants Industrial Projects - 1

Integrated Steel Plant of capacity 0.9 Million Ton per Annum (Finished Steel) along with 137 MW (92 MW WHRB based & 45 MW Coal and Dolochar mix based) Captive Power Plant

(iv) Category

(vi) Sector

(vii) Name of Project

(v) Project/Activity Included Schedule No.

(viii) Name of Company/Organization	M/s. ORISSA ALLOY STEEL PVT. LTI
(ix) Location of Project (District, State)	MEDINIPUR WEST, WEST BENGAL
(x) Issuing Authority	MoEF&CC
(xi) Applicability of General Conditions as per EIA Notification, 2006	No

3. As per the provisions of the Environment Impact Assessment (EIA) Notification, 2006, the abovementioned project/activity is covered schedule Sl. No. '1(d)' Captive Power Plant, '2(a)' Coal Washery, '2(b)' Mineral beneficiation, '3(a)' Metallurgical industries (ferrous & non-ferrous) and '4(b) Coke Oven Plant Under Category "A" of the schedule of the EIA Notification, 2006 and appraised at Central Level.

PVT. LTD.

The proposal was initially considered during 40th meeting of the EAC for Industry-I sector held during 4. 19th-21st July, 2023 wherein Committee deferred the proposal. Based on the submission of PP on 14.08.2023, the proposal was again considered during 43rd meeting of EAC (Industry-1) held on 4th - 5th September, 2023, wherein the Committee, after detailed deliberations, recommended the instant proposal for grant of Environment Clearance. The minutes of the meeting and all the project documents are available on PARIVESH portal which can be accessed at https://parivesh.nic.in.

The details of the proposal are as per the EIA/EMP report submitted by the proponent. The salient 5. features of the proposal as presented during the above-mentioned meetings of EAC (Industry 1 Sector) are given at Annexure 1, Unit configuration and capacity are given at Annexure II and PH action plan given at Annexure III.

The EAC, in its meeting held during 4th -5th September, 2023, inter-alia, deliberated the following: 6.

(i). The instant proposal is for setting up of a greenfield Integrated Steel Plant of production capacity 0.9 million Ton per Annum (Finished Steel) along with 137 MW (92 MW WHRB based & 45 MW Coal and Dolochar mix based) Captive Power Plant.

(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 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.

(v). The total project area is 102.39 ha [Private: 60.10 ha; Govt.: 42.29 ha (Industrial)]. Out of the 102.39 hectare (253 acres) of land, 44.80 hectare (110.715 acres) of land (42.29 ha. Industrial land at Vidyasagar Industrial Park, Kharagpur + 2.51 ha. Private land) is already in possession and for rest of land (57.59 hectare) consent from private rayat obtained. The EAC advised that total project land shall be acquired and converted for industrial purpose prior to commencement of project.

(vi). The nearest habitations is Chakganesh (0.25 km, EES), Baradiha (0.80 km, SW), Rupnarayanpur (1.10 km,

NW) and Jakpur (1.10 km, NE) from the project site. The EAC is of the opinion that PP shall strictly implement the environmental safeguard measures proposed to minimise the impact on the habitation of the locals.

(vii). Jakala Nala is at a distance of 0.03 km in the South direction along with other water bodies within the study area of 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 strictly implemented.

(viii). The water requirement for the project is estimated as $5,184 \text{ m}^3/\text{day}$, out of which $5,000 \text{ m}^3/\text{day}$ of fresh water requirement is proposed to be obtained from the Irrigation & Water Department, West Bengal from Kansai River Bed (215 days) and the remaining requirement of $184 \text{ m}^3/\text{day}$ will be met from rainwater harvesting pond. During monsoon & lean season (150 days) entire water requirement of $5,184 \text{ m}^3/\text{day}$ shall be met from rainwater harvesting pond. The EAC deliberated on the water requirement and found is satisfactory.

(ix). The Committee has deliberated on the baseline data and incremental GLC due to the proposed project and found it satisfactory.

(x). The PP has submitted that greenbelt will be developed in 33.79 ha which is about 33.0% of the total project area. Thus, total of 33.79 ha area (33% of total project area) will be developed as greenbelt. Total no. of 84,475 saplings will be planted and nurtured in 33.79 hectares in three years. The EAC deliberated on the greenbelt layout plan along with action plan and the budget earmarked and is of the opinion that PP shall complete the proposed greenbelt development in a period of 1 year.

(xi). The committee deliberated details of carbon foot prints and carbon sequestration study w.r.t. proposed project and found them to be satisfactory.

(xii). 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.

(xiii). The EAC also deliberated on the ADS reply of the project proponent and found it satisfactory.

(xiv). The PP/Consultant informed the Committee that they have engaged IIT Kharagpur for tailing management study. The EAC is of the opinion that PP shall submit the status of the implementation of the recommendations made by IIT Kharagpur in that particular study. to the Regional office with the half yearly compliance report.

(xv). 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.

(xvi). 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.

(xvii). The EAC also reviewed the EC conditions (specific and general) pertaining to Industry-I projects and observed that some of the specific conditions stipulated so far in the previously recommended EC projects are common and applicable to most of the projects in general. In view of the same, the General Conditions (in case of EC projects) have been revised through reallocation of these common conditions from specific to General Conditions (in case of EC projects). Accordingly, the instant project is also being stipulated with the modified General conditions.

7. The EAC, in its 43rd meeting of Expert Appraisal Committee (Industry-1 Sector) held during 4th - 5th September, 2023, based on information & clarifications provided by the project proponent and after detailed deliberations recommended the instant proposal for grant of Environment Clearance under the EIA Notification, 2006 subject to 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.

8. 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 Orissa Alloy Steel Pvt. Ltd** under the provisions of EIA Notification, 2006 subject to specific conditions and general conditions at **Annexure IV**

9. 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.

10. 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.

11. Any appeal against this environmental clearance 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.

12. 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 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.

13. This issues with approval of the competent authority.

(**Dr. R. B. Lal**) Scientist 'F'/ Director Tel: 011-20819346 Email-rb.lal@nic.in

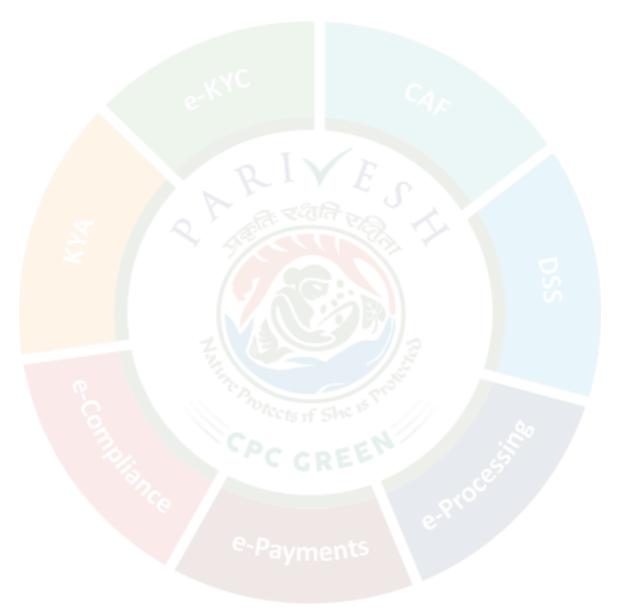
<u>Copy To</u>

- 1. The Secretary, Department of Environment, Government of West Bengal, Secretariat Kolkata.
- 2. The Secretary, Department of Forests, Government of West Bengal, Kolkata.
- 3. The Director General of Forest, Ministry of Environment, Forest and Climate Change, New Delhi.
- 4. The Principal Chief Conservator of Forests, Government of West Bengal, Block LA, 10A Sector-III, Salt Lake City, Kolkata-700098.
- 5. The Deputy Director General of Forests (C), Integrated Regional Office, Ministry of Environment, Forest and Climate Change, IB-198, Sector-II, Salt Lake City, Kolkata 700106
- 6. The Member Secretary, Central Pollution Control Board, CBD-Cum-Office Complex, East Arjun Nagar, New Delhi-110 032.
- 7. The Member Secretary, West Bengal State Pollution Control Board, Paribesh Bhawan, 10A- Block LA, Sector –III, Salt Lake City, Kolkata 700 098.
- 8. The Member Secretary, Central Ground Water Authority, Jamnagar House, 18/11, Man Singh Road Area, New Delhi 110001.

- 9. Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi.
- 10. District Collector, Paschim Medinipur, West Bengal.
- 11. Guard File/Monitoring File/Website/Record File/ Parivesh Portal

Additional EC Conditions

This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.



Annexure 1

Annexure 1

Environmental Site Settings:

S. No	Particula		Details			Remarks			
•	rs								
						Lan	d use:		
						S. No	Particulars	Area (Ha)	%
						1	Main Plant	37.42	36.5 4
		102.39 ha [Priv				2	Water Reservoir & rainwater harvesting pond	5.07	4.95
i.	Total land	42.29 ha (Indus Grazing Land: ha]				3	Built up Area & Internal Road	9.37	9.15
					E	4	Green Belt	33.79	33.0 0
	-	105			20	5	Tailing/Middl ing Area	1.40	1.37
					X	6	Open space & raw material storage	11.45	11.1 8
		(1				7	Railway Siding	3.90	3.81
					15	PR	TOTAL OJECT AREA	102.3 9	100. 0
	Land	Out of the 102.	39 hectare	e (253 a	(cres)	13			
	acquisitio	of land, 44.80 h	nectare (11	10.715 a	cres)	1.5			
	n details	of land (42.29	ha. Indus	strial la	nd at				
	as per	Vidyasagar	Industria	al	Park,				
ii	MoEF&C	Kharagpur + 2.	51 ha. Pri	ivate lar	nd) is				
	C O.M.	already in poss	session an	d for re	est of				
	dated	land (57.59 h							
	7/10/2014	private rayat ob							
						No	rehabilitat	tion	and
		Project Site:				reset	tlement is inv	olved f	for the
	Existence	No habitation in	n the prop	osed site	e.		ect project. Lar	-	
	of		pp	mel	US I			under	
	habitation	Study Area:					uisition Act of		
	& Habitation Distance Direction		e Dir	ection	Land	1		rough	
iii.		Habitation			private negotiations from private				
iii.	involveme	Habitation Chakganesh	0.25 km	I	EES				
iii.	involveme nt of				EES SW	1ayat	. Apart f	rom	Govt.
iii.	involveme nt of R&R, i	Chakganesh	0.25 km			−rayat −valua	Apart f fation of the lan	rom d, Add	Govt. itional
iii.	involveme nt of R&R. i	Chakganesh Baradiha	0.25 km 0.80 km	: 1	SW	⊣ayat –valua –One	t. Apart f ation of the lan time Welfare l	rom d, Add Fund is	Govt. itional given
iii.	involveme nt of R&R, i	Chakganesh Baradiha Rupnarayanpur	0.25 km 0.80 km 1.10 km	: 1	SW NW	⊣ayat –valua –One –to th	Apart f ation of the lan time Welfare l e land looser i	rom d, Add Fund is	Govt. itional given
iii.	involveme nt of R&R, i any.	Chakganesh Baradiha Rupnarayanpur Iakpur	0.25 km 0.80 km 1.10 km 1.10 km		SW NW NE	⊣ayat –valua –One –to th	t. Apart f ation of the lan time Welfare l	rom d, Add Fund is	Govt. itional given
iii. iv.	involveme nt of R&R, i	Chakganesh Baradiha Rupnarayanpur	0.25 km 0.80 km 1.10 km 1.10 km	: 1	SW NW NE	⊣ayat –valua –One –to th	Apart f ation of the lan time Welfare l e land looser i	rom d, Add Fund is	Govt. itional given

S. No	Particula rs	D	etails		Remarks
	of the project site	Poin 22°22'40 t B N Poin 22°22'11 t C N Poin 22°21'44 t D N Poin 22°21'38 t E N	.64" 87° .18" 87°	² 22'25.04" <u>E</u> ² 22'41.46" <u>E</u> ² 22'52.59" <u>E</u> ² 22'40.05" <u>E</u>	
v.	Elevation of the project site	Elevation of the from 26 m to 30			C4,
vi.	Involveme nt of Forest land if any.	No forest land in	volved.	E and	DFO, Kharagpur, Govt. of West Bengal vide memo no-591/13- 38(A)/OASPL/2023 dated 06.03.2023 has issued NOC.
vii.	Water body (Rivers, Lakes, Pond, Nala, Natural Drainage, Canal etc.) exists within the project site as well as study area	Project site: 02 Nos. rain wate Study area: Water body Jakala Nala Kangsabati River Medinipur Canal Walipur Pond Purtonbazar Pond Chakmakram pur Pond Uttarshimla Pond	er harvesti Distan ce 0.03 Km 3.0 Km 2.1 Km 2.1 Km 4.50 Km 4.50 Km 1.50 Km	ng pond. Directio n South North North WNW SSW SSE NNE	e-Processing
viii	Existence of ESZ/ ESA/ national park/ wildlife sanctuary/	Rameshwarup Pond Study area No National Sanctuaries, B Reserve Forest radius.	-	North Wildlife Reserves, in 10 km	

S. No	Particula rs	Details	Remarks
	biosphere	Three protected forest is present	
	reserve /	within 10 Km area of the project.	
	tiger		
	reserve/	• ~ 8.0 km in South West direction	
	elephant	• ~ 9.5 km in North West direction	
	reserve	• ~ 10.0 km in South West direction	
	etc. if any		
	within the		
	study area		



Annexure II

The unit configuration and capacity of proposed project is given as below:

S. No.	Particulars of Facilities	Working days per annum	Configuration	Capacity	Product
	Blast Furnace		1 x 550 m ³	0.64 million	Molten Liquid Metal
1.	РСМ	350	2 X 800 TPD	TPA	Pig Iron
	LD Converter /BOF		1 x 50 T		High Quality Liquid Steel
2.	Sinter	330	1 x 75 Sq. m	0.90 million TPA	Sinter
3.	DRI with dryer	330	4 x 700 TPD	0.93 million TPA	Sized Sponge Iron
4.	SMS with Matching LRF/AOD, CCM and oxygen optimized furnace	330	8 x 30 T	0.72 million TPA	Billet, Slab
5.	SMS Slag Crusher	330	2 x 200 TPD	0.132 million TPA	Metal recovery
6.	FerroAlloyPlantwithJiggingplantandmatchingBriquetteplant	330	3 x 12 MVA	0.075 million TPA	FeMn, FeSi, SiMn & FeCr
7.	Non-recovery type Coke Oven Plant	365	2 x 0.235 MTPA	0.47 million TPA	Metallurgical Coke
8.	Coal Washery	300	1 x 500 TPH	0.75 million TPA	Washed Coal
9.	Lime Dolomite Plant	330	1 x 300 TPD	0.099 million TPA	Calcined lime/Dolo
10.	Oxygen Plant	350 e	2 x 200 TPD	0.14 million TPA	Oxygen
11.	Bar/ Wire Rod Mill and Wire drawing with stand by reheating furnace	330	0.39 million TPA		TMT Bar, Wire Rod & Wire
	Annealing, Pickling & Galvanizing Line	330		Galvanized product	

S. No.	Particulars of Facilities	Working days per annum	Configuration	Capacity	Product
12.	Strip Mill/ CRM	330	0.67 million	TPA	H.R. Plate, Flat products, Coils
13.	Captive Power Plant	330	92 MW- WHRB Based (60 MW from DRI Plant + 30 MW from Coke Oven Plant, 2 MW TRT BF) 45 MW CFBC (Coa & Dolochar Mix based)	m W 137 MW	Power
14.	Pellet Plant with matching beneficiation	330	2 X 1.65 MTPA	3.3 million TPA	Iron Ore Pellet
15.	Pr <mark>oducer Gas</mark> Plant	330	6 x 12,500 Nm ³ /hi	r 75,000 Nm ³ /hr	Producer Gas
16.	Railway Siding	365	01 No.	01 No.	



Annexure III.

Action plan as per MoEF&CC O.M. dated 30/09/2020

S.	Physical a	Year	Total Expendi			
No ·	Name of the activity	Physical Targets	1 st (2023- 24)	2 nd (2024-25)	3 rd (2025-26)	ture (₹ in Crores)
		PUBLIC HEARING BA	SED ACT	IVITIES		
		Maximum employment will be given to the Local youth as per State Government norms based on their knowledge and skill. In addition, vocational training will be given for the employment to local. Total 160 persons will receive stipend of Rs. 12,500 per month for three months training.	₹ 0.20 Crores	₹ 0.20 Crores	₹ 0.20 Crores	0.60
1.	Local employment	Skill development to unemployed local youth through National Skill Development Corporation, Govt. of India Scheme (Contribution to DM, Kharagpur and Financial Support to the technical schools Midnapore I.T.I) \gtrless 5 Lakhs) each for all three year for development of lab & infrastructure. Free lectures / classes at least 144 classes annually from experienced industrial experts in consultation with school administration will be provided at the cost of \gtrless 5 Lakhs annually. Industrial/ Vocational training will be provided to 100 local youths per year	₹ 0.15 Crores	₹ 0.15 Crores	₹ 0.15 Crores	0.45

S.	Physical activity and action plan				of implemen (Budget in ₹		Total Expendi
No ·	Name of the activity	Physical Targets	1 st (2023- 24)		2 nd (2024-25)	3 rd (2025-26)	ture (₹ in Crores)
		candidates will be engage by the unit in near future.					
		Most effective and advanced stage technology having techno-economic viability for air pollution control devices of adequate capacity	S. N 0.		Item	Capital Cost (in Crores)	Recurri ng Cost (in Crores)
		will be installed in parallel with implementation of the proposed plant and it will be	1	Devic	of Air ion Control es/ System	137.50	14.00
		regularly monitored by dedicated team.	2	consei	of Water vation & ion Control	8.90	1.90
	Proper action to control	Also, third party audit/ monitoring will be conducted by approved lab / agency on quarterly basis. Performance test shall be conducted on all pollution		Cost Waste Manag Syster	gement	9.50	1.00
				Green belt development		17.40	0.73
		control systems every year and report shall be submitted to Integrated Regional Office of the MoEFCC/	5	Systems		3.40	0.60
2.			6	Health	ational 1 gement	2.80	0.27
	pollution.	 WBPCB with EC compliance report. Plant will be design as Zero Liquid Discharge plant and entire waste water after treatment used in plant. For the proposed project 01 x 130 KLD STP and 1 x 700 KLD + 1 x 300 KLD ETP will be installed. 		Risk M Safety	Vitigation & Plan	4.00	0.40
				Monit	illance	5.81	0.80
				Contro measu minim due	res to ise impacts to	2.46	0.60
		The various waste materials arising out of the		transportation and traffic			
		technological processes would be re-utilised to the extent possible. Hazardous waste will be disposed through the WBPCB	-	Labor necess	onmental atory with	1.23	0.70
		approved agencies are sent			otal	193.0	21.0

S. No	Physical a		ntation E)	Total Expendi		
	Name of the activity	Physical Targets	1 st (2023- 24)	2 nd (2024-25)	3 rd (2025-26)	ture (₹ in Crores)
		PUBLIC HEARING-C				•
		NEED BASED A				
(A	dopting 07 nos. of	villages – Malipur, Chakganes		-	olageria, Utt	arshimla
		and Kantageria in nea	* * *	t area)	1	[
		Free ambulance service for	₹ 0.30	-	-	0.30
		meeting emergency demand.	Crores	T 0 10	T 0 1 0	
		Free Eye checkup, blood	₹ 0.10	₹ 0.10	₹ 0.10	0.30
	Provision for	donation camp	Crores	Crores	Crores	
3.	health care	Financial support to existing				
	facility	health center [Chakganesh	₹ 0.35	₹ 0.35	₹ 0.35	
		Upswasth Kendra $(1^{st} \& 2^{nd})$ year) and Uttar Shimla (3^{rd})	Crores	Crores	Crores	1.05
		year) with specialist doctor,	Clotes	Clotes	Crores	
		compounder & assistant etc.				
	Financial	compounder & assistant etc.	Tool			
	Support to the	Q Bri				
	Local School for better education facility and development of infrastructure	Kantageria Primary School				
		in 1 st year, Gholagerya				
		Prathamik Vidyalaya, in 2 nd			S	
4		year and Jakpur Vidyasagar	₹ 0.20 Crores	₹ 0.20 Crores	₹ 0.20	0.00
4.		Madhyamik Shiksha Kendra			Crores	0.60
		in 3^{rd} year with 02 nos.				
	(toilets,	toilets at each school.		E.		
	boundary wall),	(01 no. toilet @ 1.50 lac)	and is Pro			
	free bench	(01 no. tottet @ 1.50 tuc)				
	distribution	*CIS # 2	ne.		6	
	3	Avenue plantation will be			5	
		done in nearby villages by			8	
		planting more or less approx.				
		2,00, 000 nos. of trees.		o ⁽⁰⁾		
	Avenue	(Chakganesh area-1 st year,	₹1.00	₹2.00	₹1.00	
5.	Avenue	Jakpur & Baradiha Area -2 nd	₹ 1.00	₹ 2.00 Croros	₹ 1.00	4.00
	plantation	year and Rupnaryan village - 3 rd year) 50,000 trees in each	Crores	Crores	Crores	
		village				
		village				
		(01 no. sapling plantation @				
		200 rupees)				
	Installation of					
	Street Lighting	Installation of LED solar				
6	(Solar/Led)	Street Lights with pole 60	₹ 0.20	₹ 0.20	₹ 0.20	0.60
6.	provision at	nos. in Malipur Village-1 st year (20 nos.), Baradihad	Crores	Crores	Crores	0.00
	suitable public	Village -2 nd year (20 nos.)				
	places	vinage -2 year (20 1108.)				

S.	Physical a		Year of implementation (Budget in ₹)			
No ·	Name of the activity	Physical Targets	1 st (2023- 24)	2 nd (2024-25)	3 rd (2025-26)	Expendi ture (₹ in Crores)
		and in Jakpur Village-3 rd year (20 nos.) (01 no. LED solar Street Lights with pole @ 1.00 lac)				
	Descritions	Bore well/hand pump (40 Nos.) in villages. Jakpur –10 Nos.), Chakganesh-(10 Nos.), Malipur (10 Nos.) & Baradiha (10 Nos.) – 1 st Year (Jakpur & Chakganesh); 2 nd year (Malipur) & 3 rd year (Baradiha).	₹ 0.20 Crores	₹ 0.10 Crores	₹ 0.10 Crores	0.40
7.	Providing Drinking water facility	 @ 1.00 lacs) Restoration of 04 nos. pond (Uttar Shimla-01 no Chakganesh-01 no., Gholageria-02 nos.) 1st Year- Uttar Shimla & Kantageria and); 2nd year Gholageria. 	₹ 0.05 Crores	₹ 0.05 Crores	- SS	0.10
	ŝ	(01 no. pond restoration cost @ 2.5 Lakh)			40	7
8.	Providing collection bins/ dustbin	60 nos. of collection bins with stand each in Kantageria-20 nos. (1 st year), Chakganesh-20 nos. (2 nd year) and Gholageria-20 nos. (3 rd year) villages. (01 no. bin cost with stand@ 0.25 Lakh)	₹ 0.05 Crores	₹ 0.05 Crores	₹ 0.05 Crores	0.15
9.	Maintenance, Development & Construction of road in nearby villages	Maintenance / Construction & development of 2.0 km road. (From Gholageria Village to Jakpur Station) in 1 st and 2 nd year and 3 rd year 4.0 km road from Chakganesh to Jakpur station in respectively.	₹ 2.50 Crores	₹ 2.50 Crores	₹ 2.50 Crores	7.50

S.	Physical a	ctivity and action plan		of implemen (Budget in ₹		Total Expendi
No ·	Name of the activity	Physical Targets	1 st (2023- 24)	2 nd (2024-25)	3 rd (2025-26)	ture (₹ in Crores)
10	Infrastructure Development	(1.0 Km @ cost of 1.25 Cr.) Construction of 02 nos. community hall- Jakpur (01 No.)– 1 st Year; & Chakganesh (01 no)-3 rd year with 02 nos. public toilets at each community hall.	₹ 0.40 Crores	-	₹ 0.40 Crores	0.80
11	Awareness Campaign for S ingle Use Plastic & installation of plastic waste shredder machine in community hall	Awarenessprogram/Campaign for SingleUsePlastic in Lachmapur GramPanchayat (1 st Year)Installation of 04 nos. plasticwaste shredder machine (01no. in each community hallof corresponding village in2 nd Year–Jakpur,Chakganesh & 3 rd yearBaradiha& Gholageriavillage.(Awareness campaign @ 5.0Lakhs & Shredder machine@ 2.5 Lakhs each.)	₹ 0.05 Crores	₹ 0.05 Crores	₹ 0.05 Crores	0.15
12.	Utilization paddy straw & other biomass for bio pelletization	Collection/ segregation of paddy straw & other crop residue from nearby villages for bio pelletizing & feeding in bio pellet plant of associate company of the Group for utilizing bio-pellet /co-firing in proposed boiler (blending with coal 5-10%) as per MOEFCC guidelines dated 22.10.2022.	0.80	0.80	0.80	2.40
13.	Development /landscaping of Jakala Nalla	Development / land- scaping of Jakala Nalla in Gholageria Village in 2 nd year.	₹ 0.20 Crores	₹ 0.20 Crores	₹ 0.20 Crores	0.60
]	FOTAL	6.75 Crores	6.95 Crores	6.30 Crores	20.00 Crores

A. Specific Condition:

- i. This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.
- ii. 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.
- iii. 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.
- iv. Total project land acquisition shall be completed and converted for industrial purpose prior to commencement of project.
- v. As committed, PP shall implement the plan to provide priority in job opportunity shall be provided to affected land loser in the proposed project.
- vi. The nearest habitations is Chakganesh (0.25 km, EES), Baradiha (0.80 km, SW), Rupnarayanpur (1.10 km, NW) and Jakpur (1.10 km, NE) from the project site. Proponent shall take appropriate environmental safeguard measures to minimise the impact on the habitation of the locals. PP needs to strengthen green belt all around the plant area to reduce the dust pollution. The PP shall also include some of these locations in its environmental monitoring programme.
- vii. Jakala Nala is at a distance of 0.03 km in the South direction along with other water bodies within the study area of 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.
- viii. The water requirement of 5,184 m³/day shall be obtained from from Kansai River Bed (5,000 m³/day) after obtaining necessary permission and remaining 184 m³/day from rainwater harvesting pond. As committed, during monsoon & lean season (150 days) entire water requirement of 5,184 m³/day shall be met from rainwater harvesting pond.
 - ix. Three tier Green Belt shall be developed in at least 33% of the project area in a period of 1 year all along the project site of adequate width and tree density shall not be less than 2500 per ha. A 30 m green belt all around the plant shall be developed. 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. PP shall also develop greenbelt in the form of shelter belt comprising of total of 6 rows of 2x2 m plantation with tall trees & broad leaves with thick canopy along with windshield inside the plant premises to act as green barrier for air pollution & noise levels towards Chakganesh, Baradiha, Rupnarayanpur and Jakpur Villages. Compliance status in this regard, shall be submitted to concerned Regional Office of the MoEF&CC.

- x. All the commitments made towards socio-economic development of the nearby villages 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 amounting to Rs. 20 Crores shall be strictly implemented and progress shall be submitted to the Regional Office of MoEF&CC.
- xi. As committed, PP shall adopt 07 nos. of Villages namely Malipur, Chakganesh, Baradihad, Jakpur, Gholageria, Uttarshimla and Kantageria. PP shall prepare and implement an action plan to develop these villages into model villages.
- xii.
- xiii. The PP should implement the MOU with potential buyers of the tailings. The industry should adopt the best suitable technology for the disposal of the tailings.
- xiv. The PP shall implement the recommendations made by IIT Kharagpur in tailing management study report. Compliance status in this regard, shall be submitted to concerned Regional Office of the MoEF&CC.

B. General Conditions

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 06 Nos. Continuous Ambient Air Quality Station (CAAQMS) 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 recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- ii. The project proponent shall carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM₁₀ and PM_{2.5} in reference to PM emission, and SO₂ and NOx in reference to SO₂ and NOx emissions) within and outside the plant area, covering upwind and downwind directions.
- iii. 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.
- iv. Sampling facility at process stacks shall be provided as per CPCB guidelines for manual monitoring of emissions.

- v. 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.
- vi. The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
- vii. Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.
- viii. Ensure covered transportation and conveying of raw material to prevent spillage and dust generation. The project proponent use leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.
 - ix. 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.
 - x. The project proponent shall provide primary and secondary fume extraction system at all heat treatment furnaces.
 - xi. Wind shelter fence and chemical spraying shall be provided on the raw material stock piles.
- xii. Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.
- xiii. Pollution control system in the plant shall be provided as per the CREP Guidelines of CPCB.
- xiv. 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.
- xv. Bag filters shall be cleaned regularly and efficiency of bag filter system shall be monitored at regular intervals.
- xvi. Water Sprinklers/Water mist system shall be installed near raw material yards, operational units and other strategic locations to control fugitive emissions from the plant.
- xvii. The particulate matter emissions from the process stacks shall be less than 30 mg/Nm³ and measures shall be undertaken as per the submitted action plan. Efficient Air monitoring equipment shall be installed.
- xviii. Following additional arrangements to control fugitive dust shall be provided:
 - a. Fog / Mist Sprinklers at all 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.
 - xix. Briquetting and Jigging plant shall be installed in Ferro Alloys Plant.

- xx. The PP shall minimize the evaporation losses in jigging operation to less than 10% using suitable advanced process.
- xxi. The 4th hole extraction system shall be provided in the Sub Merged Arc Furnaces and EAF.
- xxii. Industry is going to use silica quartz in large quantities and going to produce Silico Manganese and Ferro Silicon alloy steel. Therefore, it is necessary to control silica/quartz exposures at production Departments, not only emission norms as per Indian Factories Act. The permissible limit for silica/quartz should be within 10 mg/m3 for total dust as per Indian Factories Act. Therefore, it is recommended to monitor personal and area exposures for silica quartz dust in the process plants.
- xxiii. Dry quenching (CDQ) system shall be installed along with power generation facility from waste heat recovery from hot coke
- xxiv. Facilities for spillage collection shall be provided for coal and coke on wharf of coke oven batteries (Chain conveyors, land based industrial vacuum cleaning facility).
 Land-based APC system shall be installed to control coke pushing emissions.
- xxv. Monitor CO, HC and O₂ in flue gases of the coke oven battery to detect combustion efficiency and cross leakages in the combustion chamber.
- xxvi. Vapor absorption system shall be provided in place of vapour compression system for cooling of coke oven gas in case of recovery type coke ovens.
- xxvii. The coke oven gas shall be subjected to desulphurization if the sulphur content in the coal exceeds 1%.
- xxviii. Hoppers of the coal crushing unit and other washery units shall be fitted with high efficiency bag filters/mist spray water sprinkling system shall be installed and operated effectively at all times of operation to check fugitive emissions from crushing operations, transfer points of closed belt conveyor systems and from transportation roads.
 - xxix. The raw coal, washed coal and coal wastes (rejects) shall be stacked properly at earmarked site (s) within stockyards fitted with wind breakers/shields. Adequate measures shall be taken to ensure that the stored mineral does not catch fire.
 - xxx. The temporary reject sites should appropriate planned and designed to avoid air and water pollution from such sites.
 - xxxi. During operational phase at Captive Power Plant, Action Plan to monitor coke/coal dust exposures in different process plants using personal and area air samplers and to compare with permissible limits as per Indian Factories Act, 1948 shall be implemented.
- xxxii. The coal dust should be monitored at coal unloading, crushing, furnace areas and should be within 2 mg/m3, respirable dust fraction containing less than 5% quartz as per Indian Factories Act, 1948.
- xxxiii. Basic Oxygen Furnace (BOF) gas shall be cleaned dry.
- xxxiv. Online stack monitoring system for IF and RHF shall be installed and monitoring report shall be submitted to the concerned Regional Office of the MoEF&CC along with the six monthly compliance report.
- xxxv. Low NOx Burners will be installed at Reheating Furnace for control of Gaseous emissions generated while using PNG.

xxxvi. Sensors for CO, with alarm systems, should be installed inside the industry premises at suitable locations.

III. Water quality monitoring and preservation

- i. The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 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 recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- The project proponent shall monitor regularly ground water quality at least twice a year (pre- and post-monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.
- iii. 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.
- iv. Water meters shall be provided at the inlet to all unit processes in the plants.
- v. The project proponent shall make efforts to minimise water consumption in the plant complex by segregation of used water, practicing cascade use and by recycling treated water.
- vi. 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.
- vii. All stockyards shall have impervious flooring and shall be equipped with water spray system for dust suppression. Stock yards shall also have garland drains and catch pits to trap the run off material and shall be implemented as per the action plan submitted in EIA/EMP report.
- viii. Rain water harvesting shall be implemented to recharge/harvest water as per the action plan submitted in the EIA/EMP report.
 - ix. 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.
 - x. The project proponent shall provide appropriate ETP for effluents discharged from coke oven and by-product to meet the standards prescribed in G.S.R 277 (E) 31st March 2012 (applicable to Coke oven plants) as amended from time to time.
 - xi. Treated water from ETP of COBP shall not be used for coke quenching.
- xii. The effluent discharge (mine waste water, workshop effluent) shall be monitored in terms of the parameters notified under the Water Act, 1974 Coal Industry Standards vide GSR 742 (E) dated 25.9.2000 and as amended from time to time by the Central Pollution Control Board.

- xiii. Heavy metal content in raw coal and washed coal shall be analysed once in a year and records maintained thereof.
- xiv. The rejects should preferably be utilized in FBC power plant or disposed off through sale for its gainful utilization. If the coal washery rejects are to be disposed off, it should be done in a safe and sustainable manner with adequate compaction and post closure arrangement to avoid water pollution due to leachate from rejects and surface run of from reject dumping sites.
- xv. An Integrated Surface Water Management Plan for the washery area up to its buffer zone considering the presence of any river/rivulet/pond/lake etc. with impact of coal washing activities on it, shall be prepared, submitted to MoEFCC and implemented.
- xvi. Waste Water shall be effectively treated and recycled completely either for washery operations or maintenance of green belt around the plant.
- xvii. Rainwater harvesting in the washery premises shall be implemented for conservation and augmentation of ground water resources in consultation with Central Ground Water Board.
- xviii. No ground water shall be used for coal washing unless otherwise permitted in writing by competent authority (CGWA) or MoEFCC. The make-up water requirement of washery should not exceed 1.5 m³/tonne of raw coal.
 - xix. Regular monitoring of ground water level and quality shall be carried out in and around the mine lease area by establishing a network of existing wells and constructing new piezometers during the mining operations. The monitoring of ground water levels 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.
 - xx. The project proponent shall take all precautionary measures to ensure riverine/ riparian ecosystem in and around the coal mine up to a distance of 5 km. A riverine/riparian ecosystem conservation and management plan should be prepared and implemented in consultation with the irrigation / water resource department in the state government
 - xxi. Air Cooled condensers shall be used in the captive power plant.
- xxii. Tailing management plan shall be implemented as included in EIA report.
- xxiii. Tailings from Iron Ore beneficiation plant shall be dewatered in filter press and no slime /tailing pond shall be permitted.

IV. Noise monitoring and prevention

- i. Noise pollution shall be monitored as per the prescribed Noise Pollution (Regulation and Control) Rules, 2000 and amendments thereof, and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
- ii. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.
- iii. PP shall identify extreme hot areas through heat stress survey as well as noise monitoring within process plants to ensure that workers not exposed above 90 dBA levels as per Factories Act, 1948.

V. Energy Conservation measures

- i. Use torpedo ladle for hot metal transfer as far as possible. If ladles not used, provide covers for open top ladles.
- ii. Restrict Gas flaring to < 1%.
- iii. Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly;
- iv. Provide LED lights in their offices and residential areas.
- v. The project proponent shall provide waste heat recovery system (pre-heating of combustion air) at the flue gases of reheating furnaces.
- vi. Practice hot charging of slabs and billets/blooms as far as possible.
- vii. Ensure installation of regenerative type burners on all reheating furnaces.
- viii. Blast Furnaces shall be equipped with Top Recovery Turbine, dry gas cleaning plant, stove waste heat recovery, cast house and stock house ventilation system and slag granulation facility.
 - ix. Coke Dry Quenching (CDQ) shall be provided for coke quenching for both recovery and non-recovery type coke ovens.
 - x. The project proponent shall provide waste heat recovery system on the DRI Kilns.
 - xi. The dolochar generated shall be used for power generation.
- xii. Tar shall be recovered from producer gas and shall be sold to registered processors and phenolic water shall be incinerated in After Burn Chamber (ABC) of DRI kilns.
- xiii. The PP shall implement the guidelines on sponge iron plants issued by the CPCB/SPCB in this regard.

VI. Waste management

- i. Oil Collection pits shall be provided in oil cellars to collect and reuse/recycle spilled oil.
- ii. Kitchen waste shall be composted or converted to biogas for further use.
- iii. 100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office.
- iv. 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.
- v. A proper action plan must be implemented to dispose of the electronic waste generated in the industry.

- vi. Solid waste utilization
 - a. PP shall install a slag crusher to convert steel slag into aggregate for use in construction industry, fine sand for use as flux in steel plant, sand in brick making and as lime in cement making.
 - b. PP shall recycle/reuse solid waste generated in the plant as far as possible.
 - c. Used refractories shall be recycled as far as possible.
- vii. SMS slag after metal recovery in waste recycling facility shall be conditioned and used for road making, railway track ballast and other applications. The project proponent shall install a waste recycling facility to recover metallic and flux for recycle to sinter plant. The project proponent shall establish linkage for 100% reuse of rejects from Waste Recycling Plant.
- viii. Carbon recovery plant to recover the elemental carbon present in GCP slurries for use in Sinter plant shall be installed.
 - ix. Waste recycling Plant shall be installed to recover scrap, metallic and flux for recycling to sinter plant and SMS.
 - x. In case of Non-Recovery coke ovens, the gas main carrying hot flue gases to the boiler, shall be insulated to conserve heat and to maximise heat recovery.
 - xi. Tar Sludge and waste oil shall be blended with coal charged in coke ovens (applicable only to recovery type coke ovens).
- xii. Rejects from coal washery shall only be used either in the captive power plant (or) in the Thermal Power Plants meeting emission standards.

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 by trees.
- ii. Project proponent shall submit a study report on Decarbonisation 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.
- iii. The industry should draw up and implement and action plan for achieving carbon neutrality consistent with India's commitment to achieving carbon neutrality. The action plan should contain milestones with targets to be achieved in suitable periods.
- iv. Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.

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.

- iii. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP. Safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- iv. 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.
- iii. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- iv. Performance test shall be conducted on all pollution control systems every year and report shall be submitted to Integrated Regional Office of the MoEF&CC.

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.

- Action plan for developing connecting and internal road in terms of MSA as per IRC v. guidelines shall be implemented
- The project proponent shall submit six-monthly reports on the status of the compliance vi. of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
- The project proponent shall submit the environmental statement for each financial vii. 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.
- The project proponent shall inform the Regional Office as well as the Ministry, the viii. 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.
 - The project proponent shall abide by all the commitments and recommendations made ix. in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
 - The recommendations of the approved Site-Specific Wildlife Management Plan (in х. case of involvement of Schedule-I species) shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report to the concerned Regional Office of the MoEF&CC.
 - xi. The PP shall put all the environment related expenditure, expenditure related to Action Plan on 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.
- xii. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
- xiii. 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.
- The Ministry may revoke or suspend the clearance, if implementation of any of the xiv. above conditions is not satisfactory.
- The Ministry reserves the right to stipulate additional conditions if found necessary. XV. The Company in a time bound manner shall implement these conditions.
- The Regional Office of this Ministry shall monitor compliance of the stipulated xvi. conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
 - Any appeal against this EC shall lie with the National Green Tribunal, if preferred, xvii. within a period of 30 days as prescribed under Section 16 of the ection 16 of the Green Digitally Signed by P R B L r R B Lal Tribunal Act, 2010. Member Secretary MoEFCC (EC)

Date: 12/10/2023