

Date 17/07/2024

File No: 2024/EC/E/112 Government of India Ministry of Environment, Forest and Climate Change (Issued by the State Environment Impact Assessment Authority(SEIAA), PUNJAB) \*\*\*





To,		
	Sanjeew Kumar Singh	
	M/s Ambuja Cements Limited	
	228. Udyog Vihar, Phase-I Gurgaon, GURUGRA	AM, HARYANA, 122016
	sanjeewkumar.singh@adani.com	
a		
Subject:	Grant of prior Environmental Clearance (EC	c) to the proposed project under the provision of the
	EIA Notification 2006 -regarding.	
Sir/Madam.		
,	This is in reference to your applicatio	on submitted to SEIAA vide proposal number
	SIA/PB/IND1/466338/2024 dated 18.03.2024 f	or grant of prior Environmental Clearance (EC) to the
	proposed project under the provision of the EIA	Notification 2006 and as amended thereof.
	2. The particulars of the proposal are as below :	
	(i) EC Identification No.	EC24B1103PB5515728N
	(ii) File No.	202 <mark>4/EC/E</mark> /112
	(iii) Clearance Type	Fresh EC
	(iv) Category	B1
	(v) Project/Activity Included Schedule No.	3(b) Cement plants
	(vii) Name of Project	Ambuja Cements Ltd
	(viii) Name of Company/Organization	M/s Ambuja Cement Limited
	(ix) Location of Project (District, State)	BATHINDA, PUNJAB
	(x) Issuing Authority	SEIAA
	(xi) Applicability of General Conditions as pe	r <sub>Ves</sub>

3) State Environment Impact Assessment Authority (SEIAA), Punjab has examined the proposal for grant of Environment Clearance for Expansion in the Existing Standalone Cement Grinding Unit for increase in production capacity of PPC/OPC/PSC/Composite/Super Sulphate and other cement etc. from 1.20 MTPA to 2.2 MTPA located near Guru Nanak Dev Thermal Power Plant, Malout Road, Village- Malout, Tehsil & District- Bathinda. The project is covered under Schedule 3(b) Category 'B1' as per EIA Notification, dated 14.09.2006 and its subsequent amendments and requires

**EIA Notification, 2006** 

4) State Environment Impact Assessment Authority (SEIAA), Punjab had granted Terms of Reference (TOR) vide letter no. SIA/PB/IND1/2023/TOR/13 dated 26.06.2023.

5) Punjab Pollution Control Board vide letter no. 547 dated 01.02.2024 furnished the construction status report. As per report, the industry is large scale red category existing unit and is already in operation for production of cement @ 2800 TPD (0.92 MTPA), and is having valid consents to operate under the Water Act, 1974 & Air Act, 1981 up to 31.03.2024. The industry has not started construction activity at the site w.r.t. the proposed expansion plant.

6) The proposal has been appraised as per the procedure prescribed under the provisions of EIA Notification 14.09.2006 based on mandatory documents enclosed with the application viz Form-2, EIA, EMP, and additional documents and subsequent presentation/ clarifications made by the project proponent and his consultant to the observations of SEIAA and SEAC.

7) The details of the project, as per the application and documents/ presentation submitted by the project proponent and also as informed during the meetings of SEAC/SEIAA are as under:

Sr. No.	Item No.	Details						
1.	Nature & location of Project	M/s Ambu Tehsil & E	ija Cemen District- B	ts Ltd, located Near athinda (Punjab)	GNDTP, Malout Road	d, Village- Malout,		
		Corner	Latitud	e	Longitude			
		А	30°13'5	55.82"N	74°55'8 <mark>.0</mark> 9"E			
		В	30°13'5	56.45"N	74°54'5 <mark>6.</mark> 79"E			
		С	30°13'5	55.58"N	74°54' <mark>54</mark> .04"E			
		D	30°13'5	52.31"N	74°54'16.91"E			
2	Latitude & Longitude	E	30°13'5	56.24"N	74°5 <mark>4'</mark> 16.76"E			
2.	Latitude & Longitude	F	30°14'5	5.88"N	74 <mark>°5</mark> 4'16.53"E			
		G	30°14'6	5.14"N	74°54'28.57"E			
		Н	30°14'6	5.80"N	74°54'52.34"E			
		Ι	30°13'5	56.78"N	74°54'53.90"E			
		J	30°13'5	57.99"N	74°55'3.09"E			
3.	Project/ activity covered	3(b)						
4.	Classification/ landuse pattern as per Master Plan	The land (38.44Ha.) was handover on lease by Punjab State Electricity Board for setting up of Cement Grinding Unit and the lease deed is valid till 30.06.2025.						
		Existing p	roject Cos	st: Rs. 112 Cr.				
5.	Cost of the project	Proposed of	cost: Rs. 1	50 Cr.				
		Total proje	ect cost af	ter expansion: 262 C	hr			
6.	Plot area details	38.44 Ha						
7.	Raw materials details	Name of F Material	Raw	Existing Quantity (MTPA)	Proposed Quantity (MTPA)	Total (MTPA)		

			Clinker Gypsum	L	0.51		0.74		1.25	
			(Mineral Chemica Anhydro	l, al, pus)	0.08		0.10		0.18	
			Fly ash	FA WFA)	0.31		0.46		0.77	
			Slag	, , , , , , , , , , , , , , , , , , , ,	-		0.55		0.55	
8.	Process des	scription	Major st i. Clinke ii. Fly A iii. Gyps iv. Slag v. Ceme vi. Ceme	eps involved or storage & sh & Pond A sum storage & storage & ha nt Manufact ent Packing,	l in the pro handling Ash storag & handling andling uring & S Loading o	ocess of clin e & handlin g torage & Dispatch	ker grind g	ling unit ar	e given l	below:
			S. No.	Product PPC/OPC/I	PSC/	Existing Capacity	Propos Capaci	ed T ty e	Fotal cap expansio	acity after n
9.	Product De		1.	Composite Sulphate ar cement etc.	/ Super nd other	1.2 MTPA	1.0 MT	TPA 2	2.2 MTP	A
10.	Break-up o Requireme source in O Phase	of Water onts & its Operation	Total Fr The wate i. Cemer ii. Dome iii. Gree iv. Dust Source:	esh Water re er demand sl nt Mill- 50 K estic - 92 KL nbelt / Plant Supression- Ground Wat	equiremen hall be me LD D ation -139 19 KLD er	t - 300 KLD et for followi	ing purpo	oses:		
11.	treated was green area winter and season:	stewater into in summer, rainy	Domesti treated v the three	c waste wate vater (74 KL seasons.	er (74 KL) D) will be	D) will be tr e used for gr	eated in s eenbelt d	STP of 80 l levelopmer	KLD cap nt / plant	pacity and ation in all
	S. No	Utility				Existing W Demand (H	/ater KLD)	Proposed Demand (1	KLD)	Total water requirement
	1.	Cement Mi	ll operatio	on		20		30		50
	2.	Plant & Col	lony Plan	tation & gar	dening	130		9		139
	3.	Plant and C	olony Do	mestic	6	90		2	1	92
12.	4.	Dust Suppr	ession			10		9		19
	6.	Total Fresh	Water			250		50	:	300

 $\cdot$  In summer season, the treated wastewater of 74 KLD, fresh water of 139 KLD and rainwater of 550 KLD, which adds up to 763 KLD shall be utilized for the green belt development.

 $\cdot$  In winter season, the treated wastewater of 74 KLD, fresh water of 139 KLD and rain water of 37 KLD which adds up to 250 KLD shall be utilized for the green belt development.

 $\cdot$  In rainy season, the fresh water demand shall be reduced from 300 KLD to 161 KLD as the fresh water consumed in Green Belt Development will reduce to 0 KLD. Besides this, the treated wastewater of 74 KLD, shall be utilized for the green belt development.

 $\cdot$  Two no. rainwater harvesting structures has been developed to improve the groundwater regime of the plant area.

Quantum of

 $\cdot$  Details of total runoff is given as below:

		S. No.	Particular	S	Area (Sqm)	Rain fall (m)	Runoff Coefficient	Run off * available (Cum/Year)
			1		2	3	4	5 (2*3*4)
13.	Rain water harvesting	1	Roof Top building/S	of Shed/	138199.87	0.458	0.85	53801.21
	proposal.	2	Road/Pav	ed area	55199.95	0.458	0.65	16433.03
		Total (so	qm)		193399.82	2	Total Quantum of available runoff (cum	f 70234 /y)
		<ul> <li>Three r premises suppress</li> <li>Total 2 dustbin a</li> <li>The oth Solid W</li> </ul>	no. ponds o s for collec ion. 4 kg/day w and sent to her solid wa aste	of capacit, tion of ra vill be gen Municip aste to be Propose	y 70234 KI inwater and perated as s al Corporat generated d Quantity	will be de d direct use olid waste ion Bhatin is given be Collect	eveloped insi of or plantation which will b da for dispos low:	de the plant on and dust e segregated in al. Freatment / disposal
	Solid waste generation	(Operati	on Phase)	(kg/day)	)	method	l n	nethod
	& its management (Mechanical Composter/Compost pits)						S	ewage sludge will
14.		Sewage	Sewage sludge 12			Sludge tank for de		e used as manure
								evelopment
		In- Orga	inic	25		Bins	v	Authorized PCB endors / Recycler
15.	Hazardous/Non- Hazardous Waste Generation details & their storage, utilization, and disposal.	Used Oi grinding hazardou Other W to the PF	l (approx.1 unit and D us waste sto astes (Mar CB author	00 LPA) DG. Set. 7 orage cov nagement rized recy	will be ger The generativered shed y and Transtor cler	nerated as I ed waste w yard and m poundary N	Hazardous W ill be stored aintained as Iovement) R	aste from clinker in a dedicated per Hazardous and ules, 2016 and sold
16.	Energy requirements & savings	<ul> <li>a) 11.4 M</li> <li>b) 1 DG</li> <li>height.</li> <li>c) Follov</li> <li>i) Energy</li> <li>ii) Powe</li> <li>Equipmed</li> <li>iii) Energy</li> <li>operation</li> <li>iv) High</li> </ul>	MW energy set of capa wing energ y Audits w r will be sa ent gy will be a n with Meo Energy Ef	y will be n acity 1250 y saving ill be con wed by C Saved by dium Vol	required wh O KVA alre measures to iducted at re Optimizing to removing of tage Drive	hich will be ady install b be adopte egular inter the Start/St damper fro (MVD) ill be insta	e met by PSP ed with the a ed: rvals op Timings a m Process fa	CL. dequate stack and interlocking of an and optimized
		. 0						

design phase.

v) Installing low watt tube lights / LED's.

vi) Minimizing idle running of vehicle, machines and electrical appliances

vii) Optimizing loads and periodic preventive maintenance and lubrication

viii) Prevention of leakages of compressed air

ix) Installation of Solar based LED lights instead of conventional lighting in Plant area.

x) Energy saving by using day light by installing light pipe and using transparent sheet [day light] in Workshop, Store and Gypsum and raw material yard.

xi) Optimum pulley diameter of the identified D/C fans

xii) Switching off unnecessary lights by micro based timer

xiii) Welding set energy saver

xiv) Use of Optimum size and energy efficient Motors

xv) Energy conservation by stopping idle running hrs. of equipment

xvi) Automatic Star Delta starter for load varying application like conveyer belts etc.

xvii) Installation of Variable Frequency Drive for all the auxiliary bag filter fans for energy saving.

xviii) Installation of power less bag diverters for packing plant instead of conventional motorized bag diverters

xix) Installation of Solar Geyser at guest house

xx) Prevention of leakages of compressed air

xxi) Internal & external training and awareness programs on energy conservation

8) As per the undertaking submitted by the project proponent, the proposal neither requires approval/clearance under the Forest (Conservation) Act, 1980 nor under the Wildlife (Protection) Act, 1972. Also, no litigation is pending in respect of the land on which the project is to be developed.

9) The SEAC, constituted under the provision of the EIA Notification, 2006 and comprising of Experts Members/domain experts in various fields, has examined the proposal submitted by the project proponent in desired form along with the EMP report prepared and submitted by the Consultant accredited by the QCI/NABET on behalf of the project proponent in its 289th meeting held on 13.05.2024 and 292nd meeting held on 06.06.2024. The SEAC noted that the project proponent has given 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 report. If any part of data/information submitted is found to be false/misleading at any stage, the project may be rejected and Environmental Clearance given, if any, may be revoked at the risk and cost of the project proponent.

10) SEAC noted that the project proponent has provided adequate and satisfactory clarifications to the observations raised by it. Therefore, SEAC decided to forward the case to the SEIAA with the recommendation to grant Environment Clearance for Expansion in the Existing Standalone Cement Grinding Unit for increase in production capacity of PPC/OPC/PSC/Composite/Super Sulphate and other cement etc. from 1.20 MTPA to 2.2 MTPA located near Guru Nanak Dev Thermal Power Plant, Malout Road, Village- Malout, Tehsil & District- Bathinda, as per the details mentioned in the application proposal & subsequent presentation /clarifications made by the project proponent and his consultant.

11) The case was considered by the SEIAA in its 297th meeting held on 13.06.2024 and 301st meeting held on 09.07.2024, wherein SEIAA observed that the case stands recommended by SEAC. The Authority examined all the aspects of the project proposal in detail and was satisfied with the same. Therefore, the Authority decided to grant Environment Clearance for Expansion in the Existing Standalone Cement Grinding Unit for increase in production capacity of PPC/OPC/PSC/Composite/Super Sulphate and other cement etc. from 1.20 MTPA to 2.2 MTPA located near Guru Nanak Dev Thermal Power Plant, Malout Road, Village- Malout, Tehsil & District- Bathinda, as per the details mentioned in the Form-1, EMP, conceptual plan and subsequent presentation /clarifications made by the project proponent and its consultant with proposed measures and subject to conditions proposed by SEAC and certain additional conditions and amended conditions.

12) Accordingly, SEIAA, Punjab hereby accords Environmental Clearance to the aforesaid project under the provisions of EIA Notification dated 14.09.2006 and its subsequent amendments subject to proposed measures and strict compliance with terms and conditions as per **Annexure-1**.

13) The SEIAA 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. SEIAA may revoke or suspend the environmental clearance if the implementation of any of the above conditions is not found to be satisfactory.

14) 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.

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

16) The above conditions will 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, the Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2016, the Public Liability Insurance Act, 1991 read with subsequent amendments therein 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.

17) This issues with the approval of the Competent Authority.

### <u>Copy To</u>

- 1. The Secretary to Govt. of India, Ministry of Environment and Forest, Paryavaran Bhawan, CGO Complex, Lodhi Road, New Delhi
- 2. The Secretary, Department of Science, Technology & Environment, Government of Punjab, Chandigarh.
- 3. The Regional Officer, Ministry of Environment, Forest and Climate Change, Integrated Regional Office, Bays No. 24-25, Sector 31-A, Dakshin Marg, Chandigarh-160030. The detail of the authorized Officer of the project proponent is as under:

a)	Name of the applicant	:	Sanjeew Kumar Singh, Manager Environmen
b)	Mobile No.	:	9717069200
c)	Email Id	:	sanjeewkumar.singh@ambujacement.com
d)	Email ID of Env. Consultant	:	info@enkayenviro.com

- 4. The Deputy Commissioner, Bathinda.
- 5. The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, Delhi
- 6. The Member Secretary, Punjab Pollution Control Board, Vatavaran Bhawan, Nabha Road, Patiala, 147001
- 7. The Secretary, Punjab Water Regulation and Development Authority, SCO 149-152, Sector 17-C, Chandigarh-160017.
- 8. The Chief Town Planner, Department of Town & Country Planning, 6th Floor, PUDA Bhawan, Phase-8, Mohali.
- 9. Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi-110003

10. Parivesh Portal/Record File.

#### Specific EC Conditions for (Cement Plants)

#### 1. Additional / Amended Conditions

S. No	EC Conditions
1.1	The transportation of wet fly ash from ash dykes of GNDTP shall be through concrete/metalled road and in case of any gaps, concreting of such gaps shall be done by the project proponent prior to operation of the expansion component
1.2	The project proponent shall comply with the conditions of the Land Use classification certificate issued vide DTP, Town & Country Planning Department, Bathinda letter no. 818/ DTP/B/SB.207 dated 28.06.2024
1.3	The project proponent shall comply with the guidelines for prevention and control of fugitive emissions from cement plants issued by CPCB in letter and spirit
1.4	The project proponent shall comply with the guidelines for loading, unloading, storage and transportation of fly ash issued by MoEF&CC in letter and spirit
1.5	The project proponent shall ensure extension in validity of lease of land on which the project is located well before its expiry, regularly and shall submit the same to SEIAA
1.6	The project proponent shall ensure lifting of pond ash @1,500 TPD from ash dykes of GNDTP, Bathinda after the expansion of existing unit and ensure extension in agreement for lifting of pond ash from ash dykes of GNDTP well before its expiry and shall submit the same to SEIAA
1.7	The PP will prepare and implement a detailed plan for utilization of the wet fly ash lying in the Dykes (853 acres area) of GNDTP, Bathinda in a sequential manner by dividing such land into small grids of 20 to 25 acres each so that reclamation of land could be achieved in an accelerated manner and about 20 to 25 acres land could be reclaimed annually
1.8	Instead of using coal as fuel in the Fly Ash Dryer, non-coal based fuel will be used with preference being given for crop residue or other Bio-mass based fuel
1.9	The Environmental Clearance will be valid for a period of ten years from the date of its issue as per MoEF&CC, GoI Notification no. S.O 1708E dated 12.04.2022 or till the completion of the project, whichever is earlier

#### Standard EC Conditions for (Cement plants)

# 1. Statutory Compliance

S. No	EC Conditions
1.1	The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project
1.2	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable

S. No	EC Conditions
1.3	The project proponent shall prepare a Site-Specific Conservation Plan &Wildlife Management Plan and approved by the Chief Warden. The recommendations of the approved Site-Specific Conservation Plan/Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of schedule-I Species in the study area)
1.4	The project proponent shall obtain consent to Establish/Operate under the provisions of Air (Prevention& Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 form the concerned State pollution Control Board/Committee
1.5	The Project proponent shall obtain the necessary permission form the Central Ground water authority, in case of drawl of ground water/ from the competent authority concerned in case of drawl of surface water required for the project
1.6	The project proponent shall obtain authorization under the Hazardous and other Waste management Rules, 2016 as amended from time to time

# 2. Air Quality Monitoring And Preservation

S. No	EC Conditions
2.1	The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R. No. 612 (E) dated 25 <sup>th</sup> August, 2014 (Cement and subsequent amendment dated 9 <sup>th</sup> May, 2016 (Cement_ and connected to SPCB and CPCB online servers and calibrate these system form time to time according to equipment supplier specification through labs recognised under Environment (Protection)Act, 1986 or NABL accredited laboratories
2.2	The project proponent shall monitor fugitive emission in the plant premises at least once in every quarter through labs recognised under Environment (Protection) Act, 1986
2.3	The Project proponent shall install system carryout to Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. $PM_{10}$ and $PM_{2.5}$ in reference to PM emission, and SO <sub>2</sub> and NO <sub>x</sub> in reference to SO <sub>2</sub> and NO <sub>x</sub> ) within and outside the plant area at least at four locations (one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions. (case to case basis small plants: Manual; Large plants: Continuous)
2.4	The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality /fugitive emissions to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report
2.5	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
2.6	The project proponent shall provide leakage detection and mechanised bag cleaning facilities for better maintenance of bags

S. No	EC Conditions
2.7	Pollution control system in the cement plant shall be provided as per the CREP Guidelines of CPCB
2.8	Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly
2.9	Ensure covered transportation and conveying of raw material to prevent spillage and dust generation; Use closed bulkers for carrying fly ash
2.10	Provide wind shelter fence and chemical spraying on the raw material stock piles; and
2.11	Have separate truck parking area and monitor vehicular emissions at regular interval
2.12	Efforts shall be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agricultural land by the use of covered conveyor belts/railways as mode of transport
2.13	Ventilation system shall be designed for adequate air changes as per ACGIH document for all tunnels, motor houses, cement bagging plants

# 3. Water Quality Monitoring And Preservation

S. No	EC Conditions
3.1	The project proponent shall install effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R. No. 612 (E) dated 25 <sup>th</sup> August, 2014 (Cement) and subsequent amendment dated 9th May, 2016 (Cement) and connected to SPCB online servers and calibrate this system from time to time according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories. (case to case basis small plants: Manual; Large plants: Continuous)
3.2	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 plat and adjacent areas through labs recognised under Environment (Protection) Act, 1986 and NABL accredited laboratories
3.3	The project proponent shall submit monthly summary report of continuous effluent monitoring and results of manual effluent testing and manual monitoring of ground water quality to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report
3.4	Adhere to 'Zero Liquid Discharge'
3.5	Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards
3.6	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
3.7	The project proponent shall practice rainwater harvesting to maximum possible extent

S. No	EC Conditions
3.8	Water meters shall be provided at the inlet to all unit processes in the cement plant
3.9	The project proponent shall make efforts to minimise water consumption in the cement plant complex by segregation of used water, practicing cascade use and by recycling treated water

## 4. Noise Monitoring And Prevention

S. No	EC Conditions
4.1	Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Office of the Ministry as a part of six-monthly compliance report
4.2	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

# 5. Energy Conservation Measures

S. No	EC Conditions
5.1	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
5.2	Provide the project proponent for LED lights in their offices and residential areas
5.3	Maximize utilization of fly ash, slag and sweetener in cement blend as per BIS standards

## 6. Waste Management

S. No	EC Conditions
6.1	The waste oil, grease and other hazardous shall be disposed of as per the Hazardous & other waste (Management & Transboundary Movement) Rules, 2016
6.2	Kitchen waste shall be composted or converted to biogas for further use. (to be decided on case to case basis depending on type and size of plant)

#### 7. Green Belt

S. No	EC Conditions
7.1	Green belt shall be developed in an area equal to 33% of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant
7.2	The PP will plant 6,303 saplings (new plantation + gap filling of moralities in old plantations) of indigenous tree species (Neem, Siris, Sheesham, Pipal, Arjun, Jamun, Chakrassia, Drek & Beal etc) of minimum 8 feet height and healthy woody stem. The plantation will commence at the earliest and

S. No	EC Conditions
	be completed within 18 months from the date of grant of EC
7.3	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

## 8. Public Hearing And Human Health Issues

S. No	EC Conditions
8.1	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented
8.2	The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act
8.3	Provision shall be made for the housing on 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
8.4	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act

# 9. Enviro<mark>nment Managem</mark>ent

S. N <mark>o</mark>	EC Conditions
9.1	The company shall have a well-laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violations 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 / stakeholders. A copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of the six-monthly report
9.2	A separate Environmental Cell both at the project and company headquarters level, with qualified personnel shall be set up under the control of senior Executive, who will report directly to the head of the organization
9.3	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and will not be diverted for any other purpose. The details of the amount to be spent on the various environmental activities proposed in environmental plan, Corporate Environment Responsibility and additional environmental activities are given in the tables given below: Table:1 Environment Management Plan SN ParticularExisting Existing Proposed Proposed Total(Existing Total(Existing Details of Capital Recurring Capital Recurring Proposed) Proposed) Proposed) activities

S. No					EC	Conditio	ns		
			Cost (in Lakhs)	cost / annum (in Lakhs)	Cost (in Lakhs)	cost / annum (in Lakhs)	Capital Cost (in Lakhs)	Recurring Cost (in Lakhs)	proposed as capital cost
	Air 1 Con Equ	Pollution trol ipment	85.68	8.0	390	20	475.68	28	<ol> <li>Roller press bag filter-1.2 Cr.</li> <li>Six nos. auxiliary bag filters-2.7 Cr.</li> </ol>
	Wat 2 sprin syste	er nkling em	4.82	0.5	200	5	204.82	5.5	Dry fog systems (2 nos.) at raw material receiving and storage yard for
	Wat Poll	er ution							suppression of fugitive emission. Storm water storage pond- Total 3 nos, Size (25*35*5
	3 Con Wat man	trol and er agement	78.6	3	100	8	178.6	11	m.,25*35*5 m.,40*40*5 m.) Total storage capacity-
	Env mon 4 and Env Cell	ironment itoring ironment	32.4	4.5	100	7	132.4	11.5	16750 M3 One stack and monitoring infrastructures at roller press bag filter Up gradation of the existing PHC Additional plantation
	Hea 5 & Po Med Che	lth (initial eriodical lical ck-ups)	4.5	e-Pa	<sub>50</sub> me	ats	54.5	9	
	Plan 6 deve and Othe	ntation elopment Plantation ers (House	28	2	47	10	75	12	
	7 Kee 7 Clea mac Env	ping, uum ning hine, ironmenta	32 I	5	60	12	92	17	One vacuum sweeping machine

S. No					EC	Condition	ıs					
	av pr 8. Cl	vareness ogram etc., ER cost			274.92		274.92			T is	o fulfill the ssues raised	
	Total	Cost	266	24 1221 9		70	1487.9	1487 92		h	hearing	
	Table: 2											
	Addit	ional Enviro	nment A	ctivities								
	Sr. No.	Details of A Already Ac	activities tivities d	lone in last	t 5 vears	Year 23- 24 (Rs. In Lacs)	Year 24-25 (Rs. In Lacs)	Year 25-26 n (Rs. Ir Lacs)	Year 26- 27 n (Rs. In Lacs)	Total (In Lacs)	Remarks	
		by Ambuja 1. Demonst improve the Moong etc 2. Demonst 3. Promotio	Cement ration or soil OC for Punja ration or	Foundatio Green ma C through E ab, 1 Waste de p irrigation	n anuring to Dhaincha, composer	E					Already	
	1	<ol> <li>Internet of the second s</li></ol>	o Farme Bio Gas n. TION O	rs for Pond	d for	50		-		50	Done	
	2	Deposition Punjab Miss	of Funds sion thro	s under Gro ough conce	eening orned DFC	- 50	65	65	65	195	-	
	3	Donation or Villages	n Solar S	treet Light	t for Core	here	30	30	30	90	-	
	4	Plantation of Limit).	utside p	lant (withi	n MC	EEN	5	5	5	15	-	
	5	Drip Irrigat	ion for c	ore village	s	-	10	10	10	30	-	
	6	Supply of C managemen Ex-situ in c Administrat	crop Rest at of stub onsultati tion	idue machi ble burnin on with Di	inery for g (In-situ/ istrict	nts	10	10	10	30	-	
	7	Renovation	of Pond	at Core V	illages		30	30	30	90	-	
		Total				50	150	150	150	500		
	PP wi 3 to 7 Table (Corp	ll submit the of the AEA -3 orate Enviro	e location Plan to S nment R	n and spec SEIAA wit esponsibil	ific detail thin 2 moi ity)	s of the act hths.	tivities j	propose	d to be ur	ndertak	en at S No.'s	
	S.No.	Physical activity and action plan					I	rear wi Budget	se propos (Lakhs)	ed CEF	K Total amount	
	2110	Name of t	he activi	ity	1	Total physi target	ical 1	st year	2nd year	3rd ye	ear (lakh)	

S. No	EC Conditions							
	EDUCATION Education development (Strengthening of primary and 1 secondary school through infrastructure, teacher supports and supports of bag ,books etc.) HEAT TH	Village-Sivian, Village- Buladewala,	18	10.8	7.2	36		
	Health and sanitation(Health camps, 2 distribution of medicines and health checkup through mobile van)	Village-Sivian, Village- Buladewala, Maheshwari children hospital santpura	40	20	20	80		
	LIVELIHOOD Women empowerment(Greeting SHG group and imparting training to women for self employments supporting finished product to the market)	Village-Sivian, Village- Buladewala,	30	18	12	60		
	Agro based livelihood(Support of seeds for better yield crops, availabilities of manures including manure manufacturing and technologies to increase the yield of the crops)	Village-Sivian, Village- Buladewala, Gurukul college Malout road, Bathinda	31.96	19.176	12.784	63.92		
	<ul> <li>Rural infrastructure such as buildings of road, rain water</li> <li>harvesting(Approach roads to the village, construction of community center, bus stand, toilets etc. as per the demand of the village)</li> <li>DRINKING WATER</li> </ul>	S Village-Sivian, Village- Buladewala,	11.5	6.9	4.6	23		
	<ul> <li>Providing R.O. Purified drinking</li> <li>water facilities through villagers participation)</li> <li>TOTAL</li> </ul>	Village-Sivian Gurudwara Singh Sabha	6 137.46	3 77.876	3 59.584	12 274.92		
	The project proponent shall undertake EMP, The entire cost of the Environmental Mana project proponent for the lifetime of the proj plan shall be reported to the Regional Of compliance report. The project proponent shall also submit phys and documentary evidence (including photog lieu of the additional environmental activity monthly compliance reports till the completion	CER & AEA as per agement Plan (EM ject. Year-wise pro frice, MoEF&CC/ sical/financial prog graphs and short v ies by the project on of these activitio	er the Tab MP) will ogress of SEIAA gress alou ideo clip propone es.	ole-1, 2 & continue implement along with up with up s) of the s	3 above. to be bo ntation of ith the si tilization works und the subse	rne by the the action ix-monthly certificates dertaken in equent six-		

#### 10. Miscellaneous

S. No	EC Conditions
10.1	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
10.2	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
10.3	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
10.4	The project proponent shall monitor the criteria pollutants level namely; $PM_{10}$ , $SO_2$ , $NO_x$ (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
10.5	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
10.6	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
10.7	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
10.8	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State government
10.9	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.
10.10	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)
10.11	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
10.12	SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory
10.13	SEIAA reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions

S. No	EC Conditions
10.14	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite date/ information/ monitoring reports
10.15	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 order passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter
10.16	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010

