सत्यमेव जयते

Government of India
Ministry of Environment, Forest and Climate Change

Date: **15/09/2023**

ACKNOWLEDGEMENT

This is to acknowledge that STAR CEMENT MEGHALAYA LIMITED has provided the information on PARIVESH Portal in respect of Enhancement in Cement Clinker Capacity from 1.75 MTPA to 2.25 MTPA of Clinker Manufacturing Unit without an increase in pollution load (as per MoEF&CC notification S.O. 980 (E) dated 02.03.2021) in the format attached herewith under the provisions of Para 7(ii) b of EIA Notification, 2006 and its subsequent amendment S.O.980 (E), dated 02nd March 2021.

To claim exemption from obtaining Prior Environment Clearance under the provisions of Para 7(ii) b of EIA Notification, 2006 and its subsequent amendment S.O 980 (E) dated 02nd March 2021 in respect of any increase in production capacity with or without any change in (i) raw material-mix or (ii) product-mix or (iii) quantities within products or (iv) number of products including new products falling in the same category or (v) configuration of the plant or process or (vi) operations in existing area or (vii) In areas contiguous to the existing area specified in the environmental clearance of the project, the project proponent / SPCB or UTPCC shall follow the following process:

1.The project proponent shall inform the SPCB or UTPCC, as the case may be, in specified format along with: (i) 'No increase in Pollution Load' certificate from the Environmental Auditor or reputed institutions empanelled by the SPCB or UTPCC or CPCB or Ministry;
(ii) last Consent to Operate certificate for the project or activity; and
(iii) online system generated acknowledgement of uploading of intimation and 'no increase in pollution load' certificate on PARIVESH Portal.

2. Based on the submission of above information, the project proponent may carry on the proposed activity as per the submitted details. However, if on verification the SPCB or UTPCC, as the case may be, holds that the change or expansion or modernization will result or has resulted in increase in pollution load, the exemption claimed under this clause shall not be valid and it shall be deemed that the project proponent was liable to obtain Prior Environmental Clearance before under taking such changes or increase, as per the clause (a) of sub-paragraph (ii) of paragraph 7 of EIA Notification, 2006 and the provisions of Environment (Protection) Act, 1986 shall apply accordingly.

Encl: Attached the Information provided by the project proponent

Application for No Increase in Pollution Load - Form-10

Basic Details

1. Whether Project /Activity accorded prior EC?	Yes
1.1. Proposal No.	IA/ML/IND/6367/2009

1.2. Name of Project	Enhancement in Cement Clinker Capacity from 1.75 MTPA to 2.25 MTPA of Clinker Manufacturing Unit without increase in pollution load.
1.3. Whether the Project Activity attracts the provisions under	7(ii) (b)

1.3.1. Category	A
1.3.2. Whether Project/Activity falls in the category of Processing or Production or Manufacturing Sectors?	Yes
1.3.3. Whether multiple items (Components) as per the notification involved in the proposal?	No

1.3.3.1. Item No. as per schedule to EIA Notification, 2006 for Major Activity	3(b) Cement plants	Standalone Cement plants
1.3.3.2. Capacity	1.75	MTPA

1.3.3.3. Whether Project/Activity falls in 'B2' Category	No
2. Whether the project proposed to be located in the Notified industrial area?	No

3. Details of Consent under Air (P&CP) Act, 1981 & Water (P&CP) Act, 1974

Consent No/Application No	Date	Valid Up to	Copy of Consent order
MPCB/TB/-115/2009/Pt-II/2022-2023/119	23/02/2023	31/01/2024	SCML-CTO Renewal (valid upto 31-01-2024).pdf Preview

4. Details of Authorization under Hazardous & Other Waste Management Rules, 2016 and subsequent amendment

Authorization No./ Application No	Date	Valid Up to	Copy of Authorization order
MPCB/ATH-41/2014/2021-2022/11	28/04/2021	31/10/2024	HWM-SCML.pdf Preview

Product Details

1. Details of products & by-products including changes in product mix

List of products/by-products permitted under EC / CTO with CAS Number	Quantity permitted under EC / CTO	Unit	List of products/by-products proposed under clause 7(ii)(b) with CAS Number	Quantity proposed under clause 7(ii)(b)	Unit	Remarks if any
Clinker	1750000	TPA	Clinker	2250000	TPA	

2. Details of Raw materials including water consumption and fuel consumption including changes in the raw material mix

List of raw materials envisaged under EC / CTO with CAS Number	Quantity permitted under EC/CTO	Unit	List of raw materials proposed under clause 7(ii)(b)	Quantity proposed under clause 7(ii)(b)	Unit	Remarks if any
Shale	540000	TPA	Shale	900000	TPA	
Mill Scale	60000	TPA	Mill Scale	80000	TPA	
Water	4900	TPD	Water	1990	TPD	The unit of water consumption is KLD(Kilo Liters per Day)
Coal	413400	TPA	Coal	314100	TPA	
Limestone	2400000	TPA	Limestone	3500000	TPA	

2.1. Approval for additional water consumption if applicable	No

3.Details of Effluent Generation

3.1.Quantity

Propose	Quantity of existing effluent generati on in KLD (as per EC/CTO)	Quantity of effluent generation after the proposed change in product or raw material mix in KLD	Mode of Disposal Ultimate Receiving Body
Domestic	400	400	The 400 KLD of wastewater generated is treated in a common STP of capacity 400 KLD. The treated water 360 KLD is used in dust suppression and greenbelt development.

3.2.Quality

Composition as per the EC/CTO	Concentration as per EC/CTO in (mg/L)	Composition after proposed change in product or raw material mix	Concentration after proposed change in product or raw material mix in (mg/L)	Remarks, if any
BOD(3 days)	46	BOD(3 days)	46	No Change after expansion

Composition as per the EC/CTO	Concentration as per EC/CTO in (mg/L)	Composition after proposed change in product or raw material mix	Concentration after proposed change in product or raw material mix in (mg/L)	Remarks, if any
COD	315	COD	315	No Change after expansion
Total Suspended Solid	192	Total Suspended Solid	192	No change after expansion
Oil & Grease	7.5	Oil & Grease	7.5	No Change after Expansion

3.3. Total load in respect of Effluent

Total load in respect of Effluent as per the EC/CTO	Treatmen t facility existing (with capacity in KLD)	Total load in respect of Effluent after proposed change in product or raw material mix in KLD	Treatment facility proposed with capacity after proposed change in product or raw material mix in KLD	Remarks if any
400	46	400	400	BOD(3 Days)
400	315	400	400	COD
400	192	400	400	Total Suspended Solid
400	7.5	400	400	Oil & Grease

3.4. Details of effluent management

3.4.1. Whether Segregation of Concentrated stream and its disposal is proposed?	No
7.4.2. Whether Reduction / Recycle / Reuse of effluent are proposed?	Yes
7.4.2.1. Brief report on details of Reduction / Recycle / Reuse of effluent	Brief Report on Effluent Management.pdf Preview
7.4.3. Whether any additional Effluent Treatment Facilities Provided?	No
7.4.4. Whether is there any proposal for up-gradation of ETP?	No
7.4.5. Whether the unit is having Membership of Common Effluent Conveyance / Disposal Facility?	No
7.4.6. Whether it is Proposed to achieve zero discharge?	Yes
7.4.6.1. Brief report on Proposal to achieve zero discharge with technical justification and feasibility	Brief Report on Effluent Management.pdf Preview
7.4.7. Whether Project has Membership of CETP?	No

Emission Generation

1.Details of Emission Generation

1.1.

Quantity

(i) From Stacks

Point Source (s)	Height of stack (m)	As per EC / CTO			After the proposed change in product or raw material mix				
		Emission rate	Unit	Total emission	Unit	Emission rate	Unit	Total emission	Unit
Power Plant	80	203725	Cu.M/Hr	13690.32	Kg Per Month(KGM)	0	Cu.M/Hr	0	Kg Per Month(KGM)
Coal Mill	37	54937	Cu.M/Hr	1692.06	Kg Per Month(KGM)	70319	Cu.M/Hr	1299.55	Kg Per Month(KGM)
Raw Mill/kiln	45	343359	Cu.M/Hr	10575.46	Kg Per Month(KGM)	439500	Cu.M/Hr	8121.95	Kg Per Month(KGM)
Clinker Cooler ESP	30	199403	Cu.M/Hr	6699.94	Kg Per Month(KGM)	255236	Cu.M/Hr	5145.55	Kg Per Month(KGM)
Limestone Crusher	21	29951	Cu.M/Hr	419.31	Kg Per Month(KGM)	38337	Cu.M/Hr	322.03	Kg Per Month(KGM)
Additive Crusher	17	24982	Cu.M/Hr	524.62	Kg Per Month(KGM)	31977	Cu.M/Hr	402.91	Kg Per Month(KGM)

(ii)From Fugitive sources

Fugitive Sources	Height of discharge in m	As per EC / CTO			After the proposed change in product or raw material mix				
		Emission rate	Unit	Total emission	Unit	Emission rate	Unit	Total emission	Unit
Coal Storage Section	10	646.34	Cu.M/Hr	0.5696	Kg Per Month(KGM)	646.34	Cu.M/Hr	0.5696	Kg Per Month(KGM)
Road	10	563.54	Cu.M/Hr	1.5134	Kg Per Month(KGM)	563.54	Cu.M/Hr	1.5134	Kg Per Month(KGM)
Additive Stoarge	10	620.12	Cu.M/Hr	0.6786	Kg Per Month(KGM)	1240.24	Cu.M/Hr	1.3573	Kg Per Month(KGM)
Clinker Loading Section	10	517.38	Cu.M/Hr	0.4992	Kg Per Month(KGM)	517.38	Cu.M/Hr	0.4992	Kg Per Month(KGM)
Limestone Storage Section	10	641.17	Cu.M/Hr	0.8143	Kg Per Month(KGM)	641.17	Cu.M/Hr	0.8143	Kg Per Month(KGM)

(iii) From other sources

Other Source(s)	Height of discharge in m	As per EC / CTO			After proposed change in product or raw material mix				
		Emission rate	Unit	Total emission	Unit	Emission rate	Unit	Total emission	Unit
No other Sources	0	0		0	Kg Per Month(KGM)	0	Cu.M/Hr	0	Kg Per Month(KGM)

1.2.

Quality

Stack attached to	Stack Height in Meter	APCM	Parameter	Concentration			
				As per EC / CTO	Unit	After the proposed change in product or raw material mix	Unit
Power Plant	80	ESP	Particulate Matter	50	Miligram per Normal cubic meter (mg/Nm3)	0	Miligram per Normal cubic meter (mg/Nm3)
Additive Crusher	17	Pulse Jet Bag Filter	Particulate Matter(PM)	50	Miligram per Normal cubic meter (mg/Nm3)	30	Miligram per Normal cubic meter (mg/Nm3)
Limestone Crusher	21	Pulse Jet Bag Filter	Particulate Matter(PM)	50	Miligram per Normal cubic meter (mg/Nm3)	30	Miligram per Normal cubic meter (mg/Nm3)
Raw Mill/Klin	45	RABH	Particulate Matter(PM)	50	Miligram per Normal cubic meter (mg/Nm3)	30	Miligram per Normal cubic meter (mg/Nm3)
Clinker Cooler	30	ESP	Particulate Matter	50	Miligram per Normal cubic meter (mg/Nm3)	30	Miligram per Normal cubic meter (mg/Nm3)
Coal Mill	37	Pulse Jet Bag Filter	Particulate Matter	50	Miligram per Normal cubic meter (mg/Nm3)	30	Miligram per Normal cubic meter (mg/Nm3)

2.

Total load in respect of Emission

Total load in respect of emission as per the EC / CTO	Unit	APCM existing with capacity	Unit	Total load in respect of emission after proposed change in product or raw material mix	Unit	APCM proposed with capacity after proposed change in product or raw material mix	Unit	Remarks if any
1.5134	Kg Per Month(KGM)	0	Cu.M/Hr	1.5134	Kg Per Month(KGM)	0	Cu.M/Hr	Road-APCM - None Control Measures-Water sprinkler system is installed to control the fugitive emission, Road sweeping machine has been deployed for cleaning fugitive emission
10575.46	Kg Per Month(KGM)	1000000	Cu.M/Hr	8121.95	Kg Per Month(KGM)	1000000	Cu.M/Hr	Raw Mill/ Kiln RABH
0.5696	Kg Per Month(KGM)	0	Cu.M/Hr	0.5696	Kg Per Month(KGM)	0	Cu.M/Hr	Coal Storage Section APCM - None Control Measures-Material is stored in closed sheds to control fugitive emission and bag filters are installed at material transfer point to control the fugitive emission.
419.31	Kg Per Month(KGM)	80000	Cu.M/Hr	322.03	Kg Per Month(KGM)	80000	Cu.M/Hr	Limestone Crusher Pulse Jet Bag Filter
6699.94	Kg Per Month(KGM)	650000	Cu.M/Hr	5145.55	Kg Per Month(KGM)	650000	Cu.M/Hr	Clinker Cooler ESP Stack ESP
524.62	Kg Per Month(KGM)	36250	Cu.M/Hr	402.91	Kg Per Month(KGM)	36250	Cu.M/Hr	Additive Crusher Pulse Jet Bag Filter
0.6786	Kg Per Month(KGM)	0	Cu.M/Hr	1.3573	Kg Per Month(KGM)	0	Cu.M/Hr	Additive Storage APCM - None Control Measures-Material is stored in closed sheds to control fugitive emission and bag filters are installed at material transfer point to control the fugitive emission.
1538.24	Kg Per Month(KGM)	142000	Cu.M/Hr	1181.37	Kg Per Month(KGM)	142000	Cu.M/Hr	Coal Mill Pulse Jet Bag Filter
13690.32	Kg Per Month(KGM)	146520	Cu.M/Hr	0	Kg Per Month(KGM)	0	Cu.M/Hr	Power Plant ESP
0.8134	Kg Per Month(KGM)	0	Cu.M/Hr	0.8134	Kg Per Month(KGM)	0	Cu.M/Hr	Limestone Storage Section APCM -

Total load in respect of emission as per the EC / CTO	Unit	APCM existing with capacity	Unit	Total load in respect of emission after proposed change in product or raw material mix	Unit	APCM proposed with capacity after proposed change in product or raw material mix	Unit	Remarks if any
								None Control Measures- Limestone is moist due to uses of water spray during crushing and material is stored in sheds to control fugitive emission and bag filters are installed at material transfer point to control the fugitive emission.
0.4999	Kg Per Month(KGM)	0	Cu.M/Hr	0.4999	Kg Per Month(KGM)	0	Cu.M/Hr	Clinker Loading Section APCM - None Control Measures-Bag filters are provided to control the fugitive emission..

3.Details of emission management

3.1. Whether there is any Proposal for switching over to cleaner fuel?	Yes
3.1.1. Brief report on Proposal for switching over to cleaner fuel, if any (with time bound program)	Brief Report on Emission Management.pdf Preview
3.2. Whether there is any Proposal for the up gradation of existing APCM? (with the time-bound program)	No
3.3. Whether there is Proposal for the installation of new APCM? (with time-bound program)	No

1.Hazardous Waste Generation

1.1.

Quantity and type of waste

Type of Waste	Category (As per Schedule under Hazardous & Other Waste Management Rules, 2016)	Generation per Year						
		Existing as per the EC / CTO	Unit	After Change in Product Mix	Unit	Source of Generation	Mode of Storage	Mode of Treatment & Disposal method
Used Oil	Schedule-I, Sl.No. 5.1	36	Tons per Annum (TPA)	36	Tons per Annum (TPA)	From maintenance activity	Closed Shed	Stored in leak proof steel drums and sent to the “Used Oil Storage"

1.2.

Details of Waste management

1.2.1. Whether Proposal for reduction / recovery / reuse / recycle / sale of waste (with technical details) is proposed?	Yes
1.2.1.1. Brief report on Proposal for reduction / recovery / reuse / recycle / sale of waste, if any'	Brief Report of Waste Management.pdf Preview
1.2.2. Whether Project has Membership of Common Secured Landfill Site?	No
1.2.3. Whether Project has Membership of Common hazardous waste incineration facility	No

2.

No Increase in Pollution Load certificates from the authorized environmental auditor and countersigned by Project Proponent

2.1. Authorized environmental auditor/Reputed Institution Empaneled by the SPCB/CPCB/MoEFCC	Authorized Environmental Auditors

2.2. Upload the Certificate of 'No Increase in Pollution' Load.	NIPL Certificate-SCML.pdf Preview

3.

Online Continuous effluent/emission Monitoring System

Quantity

							Date of connection to the servers of	
Attribute	**Constituents**	**Date of installation**	**Details calibration of OCEMS**	**No. of time data exceeds the limit**	**Value Exceeded**	**Status of OCEMS functioning**	**CPCB**	**SPCB**
Emissions	CAAQMS-SOx NOx	23/09/2015	Last caliberated on 23rd May 2023	0	0	Yes	23/09/2015	23/09/2015
Emissions	RABH-PM	06/08/2012	Last caliberated on 20th June 2023	0	0	Yes	23/01/2017	23/01/2017
Emissions	ESP-PM	06/08/2012	Last calibarated on 19th June 2023	0	0	Yes	23/01/2017	23/01/2017
Emissions	CAAQMS-PM	23/09/2015	Last Caliberated on 10th July 2022	0	0	Yes	23/09/2015	23/09/2015
Emissions	RABH-SOx NOx	01/08/2016	Last Calibarated on 11th August 2022	0	0	Yes	23/01/2017	23/01/2017
Emissions	Coal Mill-PM	06/08/2012	Last calibarated on 19th June 2023	0	0	Yes	23/01/2017	23/01/2017

1. Additional Information

S. No.	Document Name	Remark	Document
1	Cover Letter	Proposal for Intimation of No Increase in Pollution Load under clause 7(ii)(b) of Notification vide S.O. 980(E) dated 2nd March 2021 for project “Enhancement in Cement Clinker Capacity from 1.75 MTPA to 2.25 MTPA of Clinker Manufacturing Unit without increase in pollution load” (as per MoEF&CC notification S.O. 980 (E) dated 02.03.2021)” of Star Cement Meghalaya Limited	Cover Letter.pdf Preview
2	Water NOC	No Objection Certificate” to draw 4900 m3/day water from Umtyrgnai and Ummutha water streams have already been obtained from the department of Irrigation Government of Meghalaya vide letter no. AID (J) 223/2008/09 dated 16th June 2009.	NOC-Water.pdf Preview
3	Layout Plan	Layout Plan is attached herewith showing boundary of SCML along with Green area development	SCML Layout.pdf Preview
4	Environment Clearance	Earlier Environment Clearance was accorded to the project by MoEF&CC vide letter no. F.No. J-11011/754/2007-IA II (I) dated 28th October 2009 for setting up of the	EC-SCML.pdf

S. No.	Document Name	Remark	Document
		Cement Clinker unit with capacity of 1.75 MTPA Cement Clinker.	Preview

1.Undertaking

☐ I hereby give undertaking that the data and information given in the application and enclosures are true to be best of my knowledge and belief and I am aware that if any part of the data and information is found to be false or misleading at any stage, the project will be rejected and clearance given if any to the project will be revoked at our risk and cost. In addition to the above, I hearby give undertaking that no activity/construction/expansion has been taken up

1.1. Name	Pankaj Kejriwal
1.2. Designation	Director
1.3. Company	STAR CEMENT MEGHALAYA LIMITED
1.4. Address	Unit No. DSM, 517-521, 5th floor, DLF Tower, Shivaji Marg, Najafgarh Road, Delhi-110015
1.5. Date	15-09-2023