Proceedings of 241st meeting of State Expert Appraisal Committee (SEAC) held on 06.03.2023 at 11:00 AM in the Conference Hall no. 311, Office of DECC, MGSIPA Complex, Sector-26, Chandigarh

Following were present:

Sr. No.	Name of SEAC Member	Designation in SEAC
1.	Er. Yogesh Gupta	Chairman
2.	Sh. Pardeep Garg	Member Secretary
3.	Sh. K.L Malhotra	Member
4.	Sh. Parminder Singh Bhogal	Member
5.	Sh. Satish Kumar Gupta	Member
6.	Sh. Anil Kumar Gupta	Member
7.	Sh. Sunil Mittal	Member
8.	Sh. Pawan Krishan	Member (Through VC)

Item No. 01: **Confirmation of the proceedings of 240th meeting of State Level Expert Appraisal Committee held on 20.02.2023.**

The proceedings of 240th meeting of State Level Expert Appraisal Committee held on 20.02.2023 were prepared and circulated through email on 24.02.2023. No Comments were received from any of the Members. Therefore, SEAC confirmed the same.

Item No. 02: **Action taken on the proceedings of the 240th meeting of State Level Expert Appraisal Committee held on 20.02.2023**

The action taken on the decisions of 240th meeting of State Level Expert Appraisal Committee held on 20.02.2023 has been completed. SEAC noted the same.

Item No. 241.01.-241.04: Regarding applications for Environmental Clearance for carrying out mining of minor minerals (sand) by Executive Engineer cum District Mining Officer, drainage-cum-Mining & Geology Division, Water Resources Department, Fazilka Division.

The Executive Engineer cum District Mining Officer, Drainage-cum-Mining & Geology Division, Water Resources Department, Fazilka Division has applied for obtaining Environmental Clearance under category B2 and 1(a) of the schedule appended with the EIA notification dated 14.09.2006 for carrying out mining of minor minerals (sand) at following mining sites.

1. Village- Badha, Tehsil & Distt Fazilka (SIA/PB/MIN/415347/2023).
2. Village-Behak Hasta Uttar/Ghurka, Tehsil & Distt Fazilka (SIA/PB/MIN/415348/2023)
3. Village-Sukhera Bodla; Tehsil Jalalabad, Distt Fazilka (SIA/PB/MIN/416003/2023)
4. Village-Chak Gareeban Sandar, Tehsil Jalalabad, Distt-Fazilka (SIA/PB/MIN/416031/2023)

The Department has deposited requisite fee for obtaining Environmental Clearance for carrying out mining in the above mining sites, with details mentioned in the table. The adequacy & deposition of the requisite fee by the applicant has been checked & verified by the supporting staff of SEIAA.

Deliberations during 241st meeting of SEAC held on 06.03.2023.

The case was considered by the following:

(i) Mr. Alok Chaudhary, Executive Engineer, DMO, District Fazilka.
(ii) Dr. KL Satapaty, CEO, M/s GRC India Pvt Ltd.

SEAC allowed the Environmental Consultant of the Project Proponent to present the salient features of the mining sites. He, thereafter, presented the details as under:

S. No	Details as per DSR			Details of Mining			Details of other lease out area		Approval of Mining Plan	Approval under FCA or NBWL as the case may be, If applicable (attach copy)	Fee deposited in Rs. *
	Code/Location of the site	Area (ha.)	Quantity proposed (MT)	Area of the Mining Lease (ha.)	Quantity from lease area (MTPA)	Whether Site falls in any cluster, if yes (code/area)	Area of the leased-out area (ha.)	Quantity Leased (MT)			
1	1,2/Village-Badha;Tehsil-Fazilka and Dist-Fazilka	3.642 for 1 & 0.202 for 2	87390 for 1 & 4796 for 2	2.0203 (1.818 for 1 and 0.2023 for 2	42,165[39263 For Badha 1 and 2902 for Badha 2]	Yes, S.no 1 and 2 of Annexure V in DSR with an area of 1.818 ha. and 0.2023 ha.	Nil	Nil	Approved by Assistant geologist, Punjab and Letter no Glg/Pb/M. P/ Badha 1/71-72 For Badha 1 and Glg/Pb/M.P/ Badha-2/74-75 for Badha 2 Dated 05-01-2023	Not Applicable	Rs. 4041/- vide reference no. N020223229810935 1 dated 20.02.2023
2	3/Village-Behak Hasta Uttar/Ghurka;tehsil-Fazilka;Dist-Fazilka	1.885	41903	1.882	37652	No	Nil	Nil	Approved by Assistant geologist, Punjab and Letter no Glg/Pb/M.P/Behak Hasta Uttar/Ghurka/ 77-78 Dated 05-01-2023	Not Applicable	Rs. 3764/- vide reference no. N020232298126178 dated 20.01.2023
3	9,14,15/Village-Sukhera Bodla;Tehsil-Jalalabad;Dist-fazilka	2.043-9; 1.278 - 14 & 1.687-15	46251 - 9 29725 -14 & 38986 - 15	4.94	47110	Yes, S.no 9,14 and 15 of Annexure V in DSR	Nil	Nil	Approved by Assistant geologist, Punjab and Letter no Glg/Pb/M.P/Sukhera Bodla I,II,III/234 Dated 20-01-2023	Not Applicable	Rs. 9880/- vide reference no. N020230461 0646 dated 27.01.2023
4	10/Village-Chak Gareeban Sandar;Tehsil-	1.885	44793	2.19	44267	No	Nil	Nil	Approved by Assistant geologist, Punjab and Letter no Glg/Pb/M.P/Chak Gareeban	Not Applicable	Rs. 4380/- vide reference no. N020230459

	Jalalabad;Dist-Fazilka								Sandar/231 Dated 20-01-2023		8961 dated 27.01.2023

The Committee observed that the details mentioned in the said proposals i.e area of the mining site, quantity of the material to be mined, location of the sites are in consonance with approved DSR of District Fazilka. SEAC was satisfied with the presentation and reply given to the observations. SEAC took a copy of presentation on record.

After deliberations, SEAC decided to award silver grading to the aforementioned mining projects and forward the applications of the project proponent to SEIAA with the recommendation to grant Environmental Clearance for mining of minor minerals (Sand) at subject cited mining sites subject to the specific conditions as applicable for such type of the project along with additional condition as under:

Additional Condition

(i) The Department of Water Resources cum-Mines & Geology shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.

Specific conditions:

(i) The environmental clearance will be valid for a period of seven years from the date of issuance, as per the provisions of the EIA Notification, 2006 as amended subsequently, for mining of minor minerals in the above said location and Khasra numbers.

(ii) The project proponent shall demarcate the mining lease area in the presence of Lambardar of the village, project proponent/ contractor, owner of the land and owner of the adjoining land, revenue officer & Mining Officer, etc. Mining lease area will be demarcated on the ground with pucca pillars with reference to some permanent benchmark before starting any mining activity at site.

(iii) Mining should begin only after pucca pillar marking the boundary of lease area is erected at the cost of the lease holder after certification by the mining official and its geo coordinates are made available to the District Level Committee.

(iv) Mining shall be carried out through semi- mechanized method as proposed in the mining plan.

(v) Mining shall be as per the approved Development/Mining Plan prepared for this project and as per the Mines & Mineral (Development & Regulation) Act, 1957 and rules framed there under as amended from time to time, other Acts/rules related with mining of minor minerals.

(vi) The mining activity shall be carried out strictly as per guidelines contained in the Sustainable Sand Mining Management Guidelines 2016 and provisions made in the Enforcement & Monitoring Guidelines for Sand Mining, 2020 issued by MoEF&CC, New Delhi as amended from time to time and guidelines issued by Geological Survey of India.

(vii) The mining operation will be carried out only from sun-rise to sunset.

(viii) The project proponent shall earmark at least two tubewells/ borewells/ wells as observation wells in the adjoining area within a radius of 500m of the project site and monthly monitoring of the depth is to be carried out. District Mining Officer is to monitor the same.

(ix) The project proponent shall obtain Consent to Establish and Consent to Operate from the Punjab Pollution Control Board and effectively implement all the conditions stipulated therein.

(x) The project proponent shall observe the mining site after every 15 days and in case, a Schedule-I or Schedule-II species as per Wildlife Act or any rare or endangered species are reported, the Mining Officer will get a conservation plan prepared in consultation with the Department of Wildlife and ensure its implementation.

(xi) The mining of minor mineral (sand) shall be carried out only up to a depth of 3m as proposed in the approved mining plan or above the groundwater level, whichever is less.

(xii) The mining shall be carried out by the contractor/lessor as per the EMP prepared and development / mining plan prepared as per the Mines & Mineral (Development & Regulation) Act, 1957 / other Acts/Rules related with mining of minor minerals. It shall be ensured that no mining shall be carried out during the monsoon season as defined by the Meteorological Department.

(xiii) The Project Proponent and Mining Officer shall ensure that wherever deployment of labour attracts the Mines Act, the provision thereof shall be strictly followed.

(xiv) The project proponent shall undertake plantation/afforestation work by planting the native species in the nearby area adjacent to mine lease.

(xv) The project proponent shall ensure that effective safeguard measures, such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of particulate matter such as loading and unloading point and all transfer points. Extensive water sprinkling shall be carried out on haul roads. It should be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Ministry of Environment & Forests/Punjab Pollution Control Board in this regard.

(xvi) The project proponent shall undertake adequate safeguard measures during extraction of sand and ensure that due to this activity, the hydro-geological and ecological regime of the surrounding area shall not be affected. Regular monitoring of ground water level and quality shall be carried out around the mine lease area by establishing a network of existing wells, if any, and installing new piezometers during the mining operation.

(xvii) The periodic monitoring [(at least four times in a year- pre-monsoon (April May), monsoon (August), post-monsoon (November) and winter (January); once in each season)] shall be carried out in consultation with the State Ground Water Board/Central Ground Water Authority and the data thus collected may be sent regularly to the Ministry of Environment and Forests and its Regional Office at Chandigarh, the Central Ground Water Authority, the Regional Director, Central Ground Water Board; SEIAA, Punjab and Punjab Pollution Control Board. If at any stage, it is observed that the groundwater table is getting depleted or rising due to the mining activity, necessary corrective measures shall be carried out.

(xviii) The project proponent shall obtain necessary prior permission of the competent authorities/CGWA for drawl of requisite quantity of water (surface water and groundwater), if any, required for the project.

(xix) In case, mining site falls in the notified block declared by the CGWA, the project proponent shall obtain necessary prior permission for drawl of requisite quantity of water for domestic purposes from District Advisory Committee (DAC) and only treated waste water will be used for dust suppression activities.

(xx) Adequate numbers (as proposed) of tree shall be planted, protected, maintained and established in vacant area in the village near to the mining site.

(xxi) Appropriate mitigation measures shall be taken by the project proponent to prevent pollution at the mining site in consultation with the Punjab Pollution Control Board. It shall be ensured that there is no leakage of oil and grease at the mining site from the vehicles/mining equipment's used for transportation.

(xxii) Vehicular emissions shall be kept under control and regularly monitored. The project proponent shall ensure that, as far as possible, the transportation route will be away from the habitation area and will not pass through any village. The transportation hours of mined material shall be restricted to non-peak hours only.

(xxiii) The mineral transportation shall be carried out through the covered trucks only and the vehicles carrying the mineral shall not be overloaded. All the public roads as well as approach roads shall be maintained and it shall be ensured that tippers carrying mined material are not loaded beyond the permissible load as per designed load bearing capacity of the road. Moreover, provision of sufficient funds shall be made in the budget for the proper maintenance of the roads.

(xxiv) Mineral handling area shall be provided with the adequate number of dust suppression systems. Loading and unloading areas including all the transfer points should also have efficient dust control arrangements. These should be properly maintained and operated.

(xxv) A First Aid Room shall be provided in the project both during construction and operations of the project.

(xxvi) Periodical medical examination of the workers engaged in the project shall be carried out and records maintained. For the purpose, schedule of health examination of the workers should be drawn and followed accordingly.

(xxvii) Provision shall be made for the housing of workers, if residing at site, within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project. In case of non-residential/daily workers, provision of adequate bath rooms, mobile toilets, and mobile STP shall be made to avoid open defecation and treated domestic effluent shall be discharged onto land for plantation.

(xxviii) The municipal solid waste generated shall be disposed of as per Solid Waste Management Rules, 2016. Segregation of bio-degradable and non-biodegradable wastes shall be done at site and disposed of as per provisions of Solid Waste Management Rules. Dustbins will be provided at site and the workers will be guided to put the domestic waste and plastic carry bags etc. if any, in the dustbin. No littering will be permitted at the site as well as in the vicinity.

(xxix) The critical parameters such as RSPM (Particulate matter with size less than 10 microns i.e., PM10) and NO in the ambient air within the impact zone shall be monitored periodically. Further, quality of discharged water shall also be monitored [(TDS, DO, PH, Faecal Coliform and Total Suspended Solids (TSS)]. The monitored data shall be uploaded on the website of the company as well as displayed on a display board at the project site at a suitable location near the main gate of the Company in public domain. The Circular No. J-20012/1/2006-IA. II(M) dated 27.05.2009 issued by Ministry of Environment and Forests, which is available on the website of the Ministry www.envfor.nic.in shall also be referred in this regard for its compliance.

(xxx) The project proponent shall take all precautionary measures during mining operation for conservation and protection of rare and endangered flora & fauna found in the study area. Action plan for conservation of flora and fauna shall be prepared in consultation with the State Forest and Wildlife Department. All the safeguard measures brought out in the Wildlife Conservation Plan so prepared specific to this project site shall be effectively implemented. Necessary allocation of funds for implementation of the conservation plan shall be made and the funds so allocated shall be included in the project cost. A copy of action plan shall be submitted to the Regional Office of the Ministry of Environment and Forests, Chandigarh and SEIAA, Punjab.

(xxxi) Vehicles hired to be used for transportation of mined material should be in good condition and should conform to applicable air and noise emission standards as provided in the Vehicular Act.

(xxxii) Ambient noise levels should conform to prescribed standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored.

(xxxiii) The Risk assessment and disaster management plan should be prepared.

(xxxiv) The project proponent shall submit the site plan showing the earmarked area for storage of mined material.

(xxxv) No mining operation shall be carried out at any point within 75 m of railway line, 60 m from national highway, 50 m from HT line/any public works/reservoirs, tanks/canal/public roads and buildings or inhabited or 10 m of outer edge of any village road. A safety barrier of 7.5m width shall be left intact around the mine lease boundary.

(xxxvi) The project proponent shall ensure the implementation of the post closure mining plan as proposed by the project proponent in the mining plan.

(xxxvii) The project proponent shall comply with the condition imposed by District Forest Officer (DFO) while granting NOC.

(xxxviii) The mining lease holders shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.

General Conditions:

(i) No change in mining technology and scope of working should be made without prior approval of the Ministry of Environment, Forests & Climate Change.

(ii) No change in the calendar plan including excavation, quantum of mineral sand/gravel (minor mineral) and waste should be made.

(iii) Four ambient air quality-monitoring stations should be established in the core zone as well as in the buffer zone for RSPM (Particulate matter with size less than 10micron i.e., PM) and NOx monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the Punjab Pollution Control Board.

(iv) Data on ambient air quality RSPM (Particulate matter with size less than 10micron i.e., PM) & NOx should be regularly submitted to the Ministry of Environment and Forests including its Regional office located at Chandigarh and the Punjab Pollution Control Board / Central Pollution Control Board once in six months and SEIAA, Punjab.

(v) Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained.

(vi) Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.

(vii) A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.

(viii) The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Ministry of Environment and Forests and its Regional Office located at Chandigarh and SEIAA, Punjab.

(ix) The project proponent should inform to the Regional Office of the Ministry of Environment & Forests located at Chandigarh and SEIAA, Punjab regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.

(x) The Regional Office of Ministry of Environment & Forests located at Chandigarh and Punjab Pollution Control Board shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information / monitoring reports.

(xi) The project proponent shall submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the Ministry of Environment and Forests, its Regional Office Chandigarh, the respective Zonal Office of Central Pollution Control Board and the Punjab Pollution Control Board and SEIAA, Punjab. The proponent shall upload the status of compliance of the environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the Ministry of Environment and Forests, Chandigarh, the respective Zonal Office of Central Pollution Control Board and the Punjab Pollution Control Board and SEIAA, Punjab.

(xii) A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parisad/ Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.

(xiii) The Project Proponent should display a copy of the clearance letter at the Regional office, District Industries Centre and the Collector’s office/ Tehsildar’s office.

(xiv) The environmental statement for each financial year ending 31 March in Form-V as is mandated to be submitted by the project proponent to the concerned Punjab Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the Regional Office of the Ministry of Environment and Forests, Chandigarh and SEIAA, Punjab by e-mail.

(xv) The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility. The project proponent shall adhere to the commitments made in the Environment Management Plan and Corporate Social Responsibility.

(xvi) The project proponent should advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the Punjab Pollution Control Board and also at web site of the Ministry of Environment and Forests at http://envfor.nic.in and a copy of the same should be forwarded to the Regional Office of Ministry of Environment & Forests at Chandigarh and SEIAA, Punjab.

(xvii) The Ministry of Environment, Forests & Climate Change and SEIAA, Punjab or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.

(xviii) The SEIAA may cancel the environmental clearance granted to this project under the provisions of EIA Notification, 2006, if, at any stage of the validity of this environmental clearance, it is found/ come to the knowledge of the SEIAA that the project proponent has deliberately concealed and/or submitted false or misleading information or inadequate data for obtaining the environmental clearance.

(xix) The project proponent shall get the micro chemical analysis of the mined material done from an approved laboratory once in a year and shall submit the analysis results to the Ministry of Environment & Forests/Punjab Pollution Control Board and SEIAA, Punjab.

(xx) The project proponent shall ensure that the contractor shall engage people of local area for mining purpose as far as possible, so as to have opportunities of employment for them.

(xxi) The project proponent may apply for transfer of environmental clearance under EIA notification dated 14.09.2006 to the other contractor finalized by the Department of Industries & Commerce to SEIAA, Punjab. However, no activity shall be undertaken by the contractor till the environmental clearance is transferred in his name and he is lawfully bound to comply with the conditions of the environmental clearance.

(xxii) The monitoring of the mining project in respect of Environment Management shall be carried out by the State/District Level Environment Management Cells constituted by the Govt. of Punjab vide notifications dated 03.12.2012.

(xxiii) Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under.

Item no.241.05: Application for Environmental Clearance for clinker grinding unit with cement production capacity of 5 million TPA at Village Deh- Kalan, Tehsil & District Sangrur, Punjab by M/s Shree Punjab Cement Plant (Proposal No. SIA/PB/IND1/401374/2022).

The industry was granted Terms of Reference vide SEIAA letter no. 4746 dated 28.09.2021 for carrying out EIA study for obtaining Environment Clearance under EIA notification dated 14.09.2006 for manufacturing of cement having production capacity @ 5.0 million TPA and DG Sets of 1250 KVA by providing a clinker grinding unit in the revenue estate of village Deh-Kalan, Tehsil & District Sangrur, Punjab.

Thereafter, the industry was issued amendment in Terms of Reference vide SEIAA letter no. 4898 dated 25.11.2021 for carrying out EIA study by substituting one of the ToR mentioned at (i) of para 12 as under:

"The industry shall propose activities in lieu of Corporate Environmental Responsibility (CER) in the Environment Management Plan (EMP) as per the provisions of OM dated 25.02.2021 issued by MoEF&CC."

The industry has applied for Environment Clearance for establishment of stand-alone Clinker Grinding Unit with Cement production capacity of 5.0 Million TPA and DG Sets of 1250 KVA (1000 KVA or (2X500 KVA (1000 KVA or (2X500 KVA) & 250 KVA) at Village Deh- Kalan, Tehsil & District Sangrur, Punjab. The production capacity of the proposed cement plant is more than 1 Million TPA, however, the proposed unit is covered under the category of standalone grinding unit therefore the project is covered under Activity 3(b) & Category 'B1' as per EIA Notification, 2006.

The project proponent has submitted the application form, EIA report, compliance of the Terms of Reference, compliance of public hearing decision and other additional documents thorugh online portal.

The total cost proposed for establishment of cement plant is 671 Cr. The industry had deposited the requisite fee amounting Rs. 16,77,500/- through UTR no. SBIN521210163124 dated 29.07.2021, as verified by supporting staff SEIAA. The Project Proponent has deposited 25% of the total fee prescribed for the Environmental Clearance at ToR stage and the remaining 75% of the fee i.e. Rs. 50,32,500/-vide UTR No. SBIN32224108327 dated 01.09.2022 as checked & verified by the supporting staff of SEIAA.

The project proponent submitted a self-declaration dated 30.07.2021 stating that there is no forest/PLPA land involved in the project and land in which the project is proposed. A copy of the letter dated 06.01.2022 issued by Deputy Conservator of Forest, Sangrur Forest Division,

Sangrur to Conservator of Forest stating that the proposed project area does not falls in forest land but the adjoining area has road side plantation which comes under the protected forest as per the State Govt. notification under IFA 1924 submitted. Further, Bir Aishwan, Wildlife Sanctuary is located at distance of 8.5 Km in SE directions from the project boundary and as per the notification issued by MoEF&CC vide no. SO3313 dated 24.10.2016, the extent of Eco-sensitive zone is up to 100m from the boundary of Bir Aishwan Wildlife Sanctuary. Therefore, the project site will be located outside the Eco-sensitive zone at a distance of 8.5 KM.

A complaint has been received from Sh. Jasinder Sekhon, R/o Sangrur on 31.05.2022 addressed to Member Secretary stating certain objections against the proposed industrial unit. The complainant stated that the location of the industry is next to a School barely 350m away having strength of 1800 students. Across the road, in less than 1km is a Heritage building which is over 100 years old. There are 50 families residing in Ladda village. The Complainant requested to inform him as to when the meeting will be held regarding the Environment Clearance for the cement plant to voice the objections on it.

Punjab Pollution Control Board vide letter no. 11389 dated 27.05.2022 submitted the comments upon status of construction, adequacy of the pollution control proposals and suitability of site as under:

"Construction Status

The industry has neither started the construction work nor constructed boundary wall of the proposed site of the unit. However, the industry has made the demarcation of the proposed site of the unit by providing cement concrete polls along its periphery. Further, there is already constructed one residential house at the site, which is being used for office use by the industry.

Adequacy of pollution control proposals

The industry has submitted feasibility report alongwith NOC application to the Board. Wherein, the industry has proposed to install thermic fluid heater type hot air generator-FBC in which pet coke/coal will be used as fuel. But the industry has neither given the details of APCD nor stack to be provided with said heater. However, in the NOC application, the industry has proposed to install the bag filter house as APCD, which is not appropriate proposal to treat the emissions, which will be generated from burning of pet coke. The industry has proposed to provide bag filter house as APCD with cement mill and stake of height 30 mtr from ground level. The industry has also proposed to provide bag filter house as APCD with clinker transport & grinding section, coal handling area, dry fly ash handling area, slag, gypsum, cement transport, storage & packing and with wagon tippler in the feasibility report. However, the industry not given the details of stacks to be provided with the above mentioned sections in the feasibility report. Also, the industry has proposed to use ground water as source of its water supply and proposed to install RO of capacity 10 KLD to meet the drinking requirements of the unit. The industry has proposed to reuse RO reject @ 2 KLD for cement mill spray. As per the proposal submitted by the industry, it will not generate and discharge any kind of trade effluent form its processes. However, only domestic effluent @10 KLD will be generated for which, the industry has proposed to install STP of capacity 20 KLD for its treatment based on FAB technology. The treated

domestic effluent will be discharged onto land for plantation/green area, which will be developed by it within its premises.

Suitability of site

The industry was granted consent to establish (CTE) from pollution angle by Punjab Bureau of invest promotion vide no. CTE/Fresh/SGR/2021/17537893 dated 14.12.2021 valid upto 13.12.2022 for manufacture of Cement (OPC/PPC/PSC/SRC/Composite cement) @ 30,000 MTD in an area of 50.90 acres, with certain conditions mentioned therein. The industry has also obtained CLU from Department of Housing & Urban Development, Punjab Bureau of Investment Promotion, Govt. of Punjab vide no. PBIP/STP(HUB/2021/512) dated 13.12.2021 for and area of 47.82 acres. The industry has submitted an application for conduct of public hearing of obtaining EC under EIA notification 14.09.2006 for the establishment of Shree Punjab Cement Plant (Clinker grinding unit) with cement production capacity of 5 MTPA and DG set of capacity 1250 KVA alongwith railway siding for and area of 69.58 acres in the office of SEIAA, Punjab. Therefore, the industry has added additional land of 18.68 acres in the land. The industry is required to obtain CLU of additional land from the Department of Town & Country planning and also to submit the report from DC / ADC / SDM Sangrur W.r.t. the distance of siting parameters as mentioned in the notification issued by the Board vide no. ADMIN/A2/F no.178/98/3 dated 02.09.1998 from the proposed site of the unit for entire land of the project (total land area of 69.58 acres) to adjudge the suitability of site for establishment of the unit. Therefore, the industry is required to obtain revised CTE from the Board for the establishment of the unit in total land area of 69.58 acres. In absence of the requisite documents/certifications form the Competent Authority, comments of the Board regarding suitability of site cannot be given at this stage."

Deliberations during 234th meeting of SEAC held on 12.12.2022.

The case was considered by the following:

(i) Mr. Anil Kumar Trivedi, Head Environment, M/s Shree Punjab Cement Plant.
(ii) Mrs. Ekta Arora, Environmental Consultant M/s J.M Enviro Net Private Limited.

SEAC allowed the Environmental Consultant of the project proponent to present the Salient feature of the EIA report as under:

Sr. No.	Description	Details
1	**Basic Details**	
1.1	Name of Industry & Project Proponent:	Shree Punjab Cement Plant (A Unit of Shree Cement North Private Limited) Dr. Anil Kumar Trivedi (Authorized Signatory & Head Environment)
1.2	Proposal:	SIA/PB/IND1/401374/2022
1.3	Location of Industry:	Village: Deh Kalan, Tehsil & District: Sangrur (Punjab)
1.4	Details of Land area & Built up area:	28.16 Ha / 281600 sq.m.
1.5	Category under EIA notification dated 14.09.2006	B1
1.6	Cost of the project	Rs. 671 Crores

1.7	Compliance of Public Hearing Proceedings	Public Hearing for the proposed project was conducted on 19th April, 2022 at 11:00 AM in Project Site of the Industry located in the Revenue Estate of Village: Deh Kalan, Tehsil & District: Sangrur, Punjab. The major issues raised during public hearing were: Employment and Environment & Pollution. **Detailed action plan is enclosed as Annexure – 1.**
2.	**Site Suitability Characteristics**	
2.1	Whether site of the industry is suitable as per the provisions of Master Plan:	The total land area of the proposed project is 28.16 Ha (69.58 acre), which is falling in the revenue estate of Village: Deh Kalan, Tehsil & District: Sangrur (Punjab). The change of land use for 19.36 ha (47.82 acre) land area is granted, the further details of the same are in the following column.
2.2	Whether supporting document submitted in favour of statement at 2.1, details thereof: (CLU/building plan approval status)	Permission for Change of Land Use (CLU) has been issued by Punjab Bureau of Investment Promotion and Urban Development Department for the proposed Clinker Grinding Unit has been obtained and land use has been changed from agricultural land to industrial land for 19.36 ha (47.82 acre) vide Letter No. U.O. No. PBIP/STP(HUD)/2021/512 dated 13th December, 2021 and remaining land i.e. 8.8 ha. (21.76 acre) land has been applied for Change of Land-use and which is under progress.
3	**Forest, Wildlife and Green Area**	
3.1	Whether the industry required clearance under the provisions of Forest Conservation Act 1980 or not:	No land is covered under ambit of Forest Conservation Act 1980. A self-declaration in this regard has been submitted. There is no Reserved Forest (RF) / Protected Forest (PF) etc. within 10 km radius, except strip plantation along the road & railway line notified as Protected Forest. Therefore, to access site from connecting road FC will be required, which is applied and under process.
3.2	Whether the industry required clearance under the provisions of Punjab Land Preservation Act (PLPA) 1900:	No land is covered under Punjab Land Preservation Act 1900.
3.3	Whether industry required clearance under the provisions of Wildlife Protection Act 1972 or not:	No, wildlife area (National Parks, Sanctuaries/ Protected areas etc.) involved in the project. Therefore, project does not attract the provisions of Wildlife Protection Act 1972. A self-declaration in this regard has been submitted.
3.4	Whether the industry falls within the influence of Eco-Sensitive Zone or not. (Specify the	Not applicable, As Bir Aishwan Wildlife Sanctuary is located at a distance of ~8.5 km in SE direction from the project boundary and as per MoEF&CC Notification S.O. 3313 dated 24th October, 2016, the extent of Eco –sensitive zone is upto 100 meters from the boundary of the Bir Aishwan Wildlife Sanctuary. Therefore, the Project site will

	distance from the nearest Eco sensitive zone)	be located outside the Eco – sensitive Zone i.e. at a distance of approx. 8.5 km.
3.5	Green area requirement and proposed No. of trees:	33% of total area i.e**.,** 9.29 ha **(**92900 sqm) is kept for green belt development. Proposed number of trees- 13935
4.	**Raw Material & product details**	

4.1 Raw Material Details

S. No.	Raw Material	Requirement (Million TPA) *				Source	Approx. Distance & Mode of Transportation
		OPC / RHPC / SRC	PPC	PSC	Composite Cement		
1.	Clinker	4.65	2.9	1.9	1.9	SCL's Plants located Ras, Beawar & Nawalgarh (Proposed) in Rajasthan	Nawalgarh - 370 km Ras - 590 km Beawar - 610 km By Road & Rail
2.	Gypsum	0.35	0.35	0.35	0.35	Mineral & Chemical Gypsum from Nagaur and Bikaner (Rajasthan); Synthetic Gypsum from units of SCL at Ras (Pali) & Beawar (Ajmer)	Nagaur - 500 km, Bikaner - 425 km Ras (Pali) – 590 km, Beawar (Ajmer) – 610 km By Road & Rail
3.	Fly ash	-	1.75	-	1.75	Guru Gobind Singh Super Thermal Power Plant, Ropar, Rajpura Thermal Power Plant, Rajpura, Talwandi Sabo Power Project, Mansa, Guru Hargobind Thermal Plant, Lehra Mohabbat, Bhatinda & Goindwal sahib power plant 540MW	Ropar – 150 km, Rajpura - 100 km, Mansa - 100 km, Bhatinda – 75 km and Goindwal sahib power plant 540MW – 190 km By Road
4.	Slag	-	-	2.75	1.0	Open Market / Nearby steel plants	50-1500 km By Road & Rail
	Total	**5.0**	**5.0**	**5.0**	**5.0**		

	**Cement production will be done 5.0 Million TPA only either from various options as OPC, RHPC, SRC, PPC, PSC & Composite Cement.*	
4.2	Process description	Major steps involved in the process of clinker grinding unit are given below: 1. Clinker storage & handling 2. Fly Ash & Pond Ash storage & handling 3. Gypsum storage & handling 4. Coal, Biomass, Dolochar & Slag storage, handling, grinding and drying with Hot Air Generator (HAG). 5. Cement production and storage 6. Cement packing and dispatch.
4.2	Product Details	**S. No.** / **Particulars** / **Proposed Capacity** 1. / Cement *(OPC, RHPC, SRC, PPC, PSC and Composite Cement)* / 5.0 Million TPA 2. / DG Set / 1250 KVA {1000 KVA or 2 x 500 KVA & 250 KVA} 3. / Railway Siding / Part of Project
5	**Water**	
5.1	Total water requirement:	**Total Water requirement - 350 KLD** The water demand shall be met for following purposes: 1. Domestic & Drinking - 15 KLD 2. Process (Cement Mill Spray) - 185 KLD 3. Cooling Water - 60 KLD 4. Dust Suppression - 20 KLD 5. Greenbelt / Plantation - 70 KLD
5.2	Source:	Ground Water
5.3	Whether Permission obtained for abstraction/supply of the fresh water from the Competent Authority (Y/N) Details thereof	Ground water withdrawal permission/NOC for 350 KLD of ground water has been obtained from Punjab Water Regulation & Development Authority (PWRDA) vide letter no. PWRDA/01/2022/L2/304 dated 25th January, 2022.
5.4	Total water requirement for domestic purpose:	15 KLD
5.4.1	*Total wastewater generation:*	10 KLD
5.4.2	*Treatment methodology for domestic wastewater:*	STP of capacity 20 KLD will be installed. The STP shall be based on Aerobic biological treatment Technology and shall be comprised of following components: • Screen • Equalization Tank

<table>
<tr><td></td><td>(STP capacity, technology & components)</td><td>• MBBR Tank
• Settling Tank
• Dual Media Filter
• Activated Carbon Filter
• Softener
• Disinfection through Sodium Hypochlorite</td></tr>
<tr><td>5.5</td><td>Total water requirement for industrial purpose:</td><td>265 KLD including 185 KLD to be utilized in the process, 60 KLD utilized in the cooling water and remaining 20 KLD to be utilized in the Dust Suppression.</td></tr>
<tr><td>5.5.1</td><td>Total effluent generation:</td><td>Effluent generation from the plant will be nil, as the entire quantity of water requirement i.e. 265 KLD will be consumed / utilized in the process (mill spray, cooling water and Dust Suppression.</td></tr>
<tr><td>5.5.2</td><td>Treatment methodology for industrial wastewater: (ETP capacity, technology & components)</td><td>Not applicable</td></tr>
<tr><td>5.6</td><td>Details of utilization of treated wastewater into green area in summer, winter and rainy season:</td><td>Domestic waste water (15 KLD) generated from office toilets and canteen will be treated in STP of 20 KLD capacity and treated water (9 KLD) will be used for greenbelt development / plantation in all the three seasons.</td></tr>
<tr><td>5.7</td><td colspan="2">Cumulative Details:
<table>
<tr><th>Sr. No.</th><th>Particulars</th><th>Water Consumption (KLD)</th><th>Waste Water Generation (KLD)</th><th>Treatment & Disposal</th></tr>
<tr><td>1</td><td>Process (Cement Mill Spray)</td><td>185</td><td>0</td><td rowspan="5">➢ RO Reject water (02 KLD) will be used for mill spray.
➢ Domestic waste water (09 KLD) generated from office toilets and canteen will be treated in STP of 20 KLD capacity and treated water will be used for greenbelt development / plantation.</td></tr>
<tr><td>2</td><td>Cooling Water</td><td>20</td><td>0</td></tr>
<tr><td>3</td><td>Dust Suppression</td><td>20</td><td>0</td></tr>
<tr><td>4</td><td>Drinking and Domestic</td><td>15</td><td>9</td></tr>
<tr><td>5</td><td>Greenbelt / Plantation</td><td>70</td><td>0</td></tr>
<tr><td colspan="2">Total</td><td>350</td><td>9</td><td></td></tr>
</table>
i. The peak water demand of the project will be in summer season i.e. 350 KLD and 10 KLD waste water generated from drinking & domestic utility, same will be treated in STP and treated water i.e. 9 KLD will be used for Greenbelt development/ plantation.</td></tr>
</table>

ii. During winter season, the total water demand shall be reduced from 350 KLD to 285 KLD, as the water consumed for cooling machinery will be reduced from 60 KLD to 30 KLD, water consumed for dust suppression reduced from 20 KLD to 15 KLD, and water consumed for greenbelt development and plantation reduced from 70 KLD to 40 KLD.

iii. During rainy season, the maximum water demand shall be reduced from 350 KLD to 265 KLD as the water consumed for cooling machinery be reduced from 60 KLD to 50 KLD water consumed for dust suppression reduced from 20 KLD to 5 KLD, and water consumed for greenbelt development and plantation reduced from 70 KLD to Nil.

5.8 Rain water harvesting proposal:

- Artificial Rainwater harvesting inside the Grinding Unit works out to be 47040 cum/year.
- 10 no. of rain water harvesting pit shall be constructed.
- Shree Punjab Cement Plant (A Unit of Shree Cement North Pvt. Ltd.) is proposing Rain water harvesting in the proposed plant and Summary of Rainfall Run-off within Industrial Premises is as below:

S. No	Land use type	Area (Sq.m.)	Average Annual Rainfall (m)	Runoff Coefficient	Quantity of Rainfall Runoff (Cum/annum)
1	Roof-s	14900	0.5209	0.85	6597
2.	Road	40500	0.5209	0.80	16877
3.	Open	133300	0.5209	0.20	13887
4.	Green	69300	0.5209	0.20	9678
Total		281600	-	-	**47040**

6 **Air**

6.1 **Details of Air Polluting machinery & APCD:**

The details of emissions from the clinker grinding unit and their mitigation measures are discussed as follows:

Emissions	Source		Mitigation measures
	Plant Unit	Section	
PM	Grinding Unit	Cement Mill	High efficiency Bag House (01 No.) with Cement Mill Stack.
Fugitive Emission	Grinding Unit	Raw Material Handling & Storage	• Covered Conveyor belts will be provided for transfer of raw materials / finished products. • Bag filters (70 nos.) will be provided at all material transfer points. • Fly ash will be received through closed bulkers & fed into silo through pneumatic system. • Clinker will be stored in tank (100000 tonnes) whereas, Fly ash and Cement (of all type) will
		Transportation activity	

			be stored in the silos. • Gypsum, Slag & Coal will be stored in the covered sheds. • Water sprinkling will be done to control dust. • Vacuum sweeping machine will be used for better housekeeping. • Proper maintenance of vehicles will be done to reduce gaseous emissions. • PUC certified vehicles will be used / allowed inside the plant premises. • Greenbelt/ plantation will be carried out in ~33 % of the plant area along the plant boundary to attenuate air pollution.

List of air pollution control equipment is given as:

S. No.	Locations	Proposed APCD	Nos.	Efficiency
1.	Cement Mill	Bag House	1	99 %
2.	Packing Plant	Bag Filters	12	99%
3.	Transfer Points	Bag Filters	58	99%

The details pertaining to the APCDs installed with the dust emitting points of the industry is at **Annexure-2.**

7 Waste Management

7.1 Solid waste generation & its management (Mechanical Composter/Compost pits)

Plant Unit	Section	Type of Waste	Waste	Quantity	Treatment / Disposal
Grinding Unit	APCE	SW	Dust	0.625 Tonnes/annum	Dust collected from various APCEs will be totally recycled into the process
STP	-	SW	STP Sludge	1.0 Kg/day	Used as manure for greenbelt development / plantation
MSW	Plant Canteen	Dry	Bottles, paper, cans, textile, etc.	~33 kg/day	Will be sold to registered PPCB/CPCB recycler.
		Wet	Kitchen and canteen/	~53 kg/day	Will be Disposed after

<table>
<tr><td></td><td></td><td>
<table>
<tr><td></td><td></td><td></td><td>Green waste</td><td></td><td>segregating into bio-degradable and non-degradable waste.</td></tr>
</table>
</td></tr>
<tr><td>7.2</td><td>Hazardous Waste generation & its management</td><td>
<table>
<tr><th>Plant Unit</th><th>Section</th><th>Type of Waste</th><th>Waste</th><th>Quantity</th><th>Treatment / Disposal</th></tr>
<tr><td rowspan="2">Plant Maintenance</td><td rowspan="2">Different sections</td><td rowspan="2">HW</td><td>Used / Spent Oil (5.1) and Waste</td><td>~25 KL/annum</td><td rowspan="2">Will be Sold to the authorized CPCB recyclers</td></tr>
<tr><td>Residue containing oil (5.2)</td><td>2.0 KL/annum</td></tr>
</table>
</td></tr>
<tr><td>8</td><td>Energy Saving & EMP</td><td></td></tr>
<tr><td>8.1</td><td>Energy Saving</td><td>Shree Punjab Cement Plant (A Unit of Shree Cement North Private Limited) will implement numerous process control measures as well as energy efficient technologies which ensure proficient management of its energy resources.</td></tr>
<tr><td>8.2</td><td>Power Consumption:
<table>
<tr><th>S. No.</th><th>Description</th><th>Capacity (TPA)</th><th>Working Days</th><th>TPD</th><th>Running Hours</th><th>TPH</th><th>Kwh / Tonne</th><th>kw/hr</th></tr>
<tr><td>1.</td><td>Cement Mill & Packing Plant</td><td>5000000</td><td>333</td><td>15000</td><td>24</td><td>625</td><td>51.0</td><td>31875</td></tr>
<tr><td colspan="9">Total Power Requirement =31875 KW/Hr</td></tr>
</table>
</td></tr>
<tr><td>8.3</td><td>Energy saving measures:</td><td>The following measures are proposed by Shree Punjab Cement Plant (A Unit of Shree Cement North Private Limited) for further reduction in specific energy consumption:
ꕥ Energy Audits will be conducted at regular intervals
ꕥ Power will be saved by Optimizing the Start/Stop Timings and interlocking of Equipment
ꕥ Energy will be Saved by removing damper from Process fan and optimized operation with Medium Voltage Drive (MVD)</td></tr>
</table>

		℘ Power Saver Beblac P-20 lighting panel (Installation of Energy Saver (Power Boss) Panel in Lighting System) ℘ High Energy Efficient equipment will be installed after proper planning at design phase. ℘ APFC (Automatic Power Factor Control) panel for HT and LT line to improve power factor (Unity) of the system ℘ Installing low watt tube lights / LED's. ℘ Minimizing idle running of vehicle, machines and electrical appliances ℘ Optimizing loads and periodic preventive maintenance and lubrication ℘ Prevention of leakages of compressed air ℘ Installation of Solar based LED lights instead of conventional lighting in Plant area. ℘ 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. ℘ Optimum pulley diameter of the identified D/C fans ℘ Switching off unnecessary lights by micro based timer ℘ Welding set energy saver ℘ Use of Optimum size and energy efficient Motors ℘ Energy conservation by stopping idle running hrs. of equipment ℘ Automatic Star Delta starter for load varying application like conveyer belts etc. ℘ Installation of Variable Frequency Drive for all the auxiliary bag filter fans for energy saving. ℘ Installation of power less bag diverters for packing plant instead of conventional motorized bag diverters ℘ Installation of Solar Geyser at guest house ℘ Prevention of leakages of compressed air ℘ Internal & external training and awareness programs on energy conservation.
8.4	Details of activities proposed under Environment Management Plan:	

	S. No.	**Particulars**	**Capital cost in Crores**	**Recurring cost / annum in Crores**
	1.	Air pollution control	14.92	0.745
	2.	Water pollution control & Water Management	0.75	0.115
	3.	Noise pollution control	0.10	0.01
	4.	Environment monitoring and Environment Cell	2.06	0.29
	5.	Occupational Health (Initial & Periodical Medical Check-ups)	0.50	0.05
	6.	Organic Waste Converter & Its Facilities	0.05	0.02
	7.	Greenbelt and plantation	1.3935	0.1697
	8.	Drip Irrigation system & Water Sprinkling	0.10	0.015
	9.	RWH pond and Storm Water Management	0.35	0.03
	10.	Others (Solar Panels, Housekeeping, Hazardous & non-Hazardous Waste & Municipal Waste Management)	0.50	0.05
	Total		**20.7235**	**1.4947**
8.5	Details pertaining to Corporate Environmental Responsibility.		Not submitted.	

Annexure - 1

Table - 1

Issues / Points / Opinions of Local Public raised verbally during the Public Hearing at Project Site of the Industry located in the Revenue Estate of Village: Deh Kalan, Tehsil & District: Sangrur, Punjab.

S. No.	Name of the Person	Issues / Points / Opinions of Local Public	Reply by the Project Proponent	Action Plan along with Budgetary Allocation
1.	***Employment***			
(i)	Sri Randeep Singh, Village: Ballain, District: Sangrur	He asked the company management regarding the job opportunity with the establishment of upcoming project.	• There will be requirement of 250 persons in the project in which preference will be given to local people based on their qualifications & experience. There will be indirect job opportunity as well.	• The clinker grinding unit will generate both direct & indirect employment. The total manpower requirement during operation phase of the project is estimated to be approx. 250 persons; out of which, 100 persons will be regular and 150 will be contractual. • During Implementation phase about 300 persons
(ii)	Sri Naresh Kumar, Village: Rimpa,	He asked the company management regarding the job		

S. No.	Name of the Person	Issues / Points / Opinions of Local Public	Reply by the Project Proponent	Action Plan along with Budgetary Allocation
	District: Sangrur	opportunity in proposed company in the way of engagement of personal vehicle in project related activities.	• Apart from this preference will be given to hiring of local tractor trolley based on the availability of vehicle documents, i.e. PUC, Insurance, etc.	will be employed during construction. • *Source:* Unskilled/ semi-skilled manpower will be sourced from the local area and skilled manpower will be sourced from outside/ local. • Apart from the above, various indirect employment opportunities are envisaged by way of transportation, workshops, petty contractors; shopkeepers, network of retailers (cement stockists) throughout the state and in its marketing regions. Plant activities also result in numerous indirect employment avenues for the people such as truck owners, drivers, repair shops, tea-stalls, lenders etc.
2.	***Environment & Pollution***			
(i)	Sri Naresh Kumar, Village: Rimpa, District: Sangrur	He asked to the company management the generation of air pollution due to the upcoming project.	• There may be air pollution, which will be control through providing efficient APCE'S such as 01 no. Bag House and 70 no's Bag Filters. • Concrete Roads within plant premises; Regular Sweeping through vacuum machines will be provided.	Company has earmarked Rs. 20.72 Crores, as Capital Cost & Rs. 1.49 Crores/Annum, as annual Recurring Cost for Environmental Management Plan (EMP) and Pollution Control & mitigation measures. Company has allocated Rs. 2.395 Crores for various Socio-economic developmental work.

S. No.	Name of the Person	Issues / Points / Opinions of Local Public	Reply by the Project Proponent	Action Plan along with Budgetary Allocation
			• Covered conveyor belts at all raw material transfer points will be provided. • Online monitoring system will be installed.	

Issue / Point / Opinion received in written form via email

S. No.	Name of the Person	Issues / Points / Opinions of Local Public	Reply by the Project Proponent	Action Plan along with Budgetary Allocation
Environment & Pollution				
1.	No Name (Received *via* Email to RO, PPCB, Sangrur)	There will be air & water pollution in the area with the upcoming cement plant and hence cement plant should not be established here.	• There may be air pollution, which will be control through providing efficient APCE'S such as 01 no. Bag House and 70 no's Bag Filters. • Concrete Roads within plant premises; Regular Sweeping through vacuum machines will be provided. • Online monitoring system will be installed.	Company has earmarked Rs. 20.72 Crores, as Capital Cost & Rs.1.49 Crores/Annum, as annual Recurring Cost for Environmental Management Plan (EMP) and Pollution Control & mitigation measures. Company has allocated Rs. 2.395 Crores for various Socio-economic developmental work.

Annexure-2

List of Air Pollution Control Equipment

S. No.	Application	Material	Quantity (in Nos.)	Capacity (m^3/hr)
1	**VRM CIRCUIT**			

S. No.	Application		Material	Quantity (in Nos.)	Capacity (m^3/hr)
A	**Bag House**				
	Cement Mill Bag House		Cement Dust	1	1085000
B	**Bag Filter for Plant**				
a	**Clinker Transport & Grinding**				
	Clinker dump hopper	At Clinker dump hopper	Clinker Dust	4	25000
	Clinker elevator bottom	Clinker elevator	Clinker Dust	1	10000
	Clinker tank elevator top	Clinker elevator	Clinker Dust	1	15000
	Clinker tank top	Clinker tank	Clinker Dust	1	60000
	Clinker tank extraction belt conveyors tail end	Clinker tank bottom	Clinker Dust	4	15000
	Clinker tank extraction belt conveyors head end	Clinker tank bottom	Clinker Dust	3	15000
	Clinker tank extraction belt conveyors head end	Clinker tank bottom	Clinker Dust	1	20000
	Transfer tower	Clinker belt conveyor	Clinker Dust	1	10000
	Clinker hopper	Bag Filter for Clinker Hopper 1 & 2	Clinker Dust	1	20000
	Mill hopper extraction	For Hopper Extraction Weigh Feeders	Clinker Dust	1	10000
		For Hopper Extraction Weigh Feeders	Clinker Dust	1	10000
	Transfer tower	Cement Mill Hopper Ext. Belt Conveyor	Clinker Dust	1	7500
	Mill Recirculation	Mill Recirculation	Clinker Dust	1	15000
	Mill Reject circuit	Mill Reject circuit	Clinker Dust	1	7500
b	**Coal**				
	Coal dump hopper	At Coal dump hopper	Coal dust	1	20000
	Transfer tower	Coal Belt Conveyor	Coal dust	1	6500
	Transfer tower	Coal Belt Conveyor	Coal dust	1	6500
	Transfer tower	Coal Belt Conveyor	Coal dust	1	6500
	HAG Coal Bin & Crusher	At 100 T bin top	Coal dust	1	7500
c	**Dry Fly ash Handling**				
	Dump hopper	Fly ash Truck unloader	Fly ash	1	50000

S. No.	Application		Material	Quantity (in Nos.)	Capacity (m^3/hr)
	Near Dump hopper	Pneumatic fly ash unloading	Fly ash	1	2500
	Transfer tower	Fly ash Belt Transfer Tower	Fly ash	1	7500
	Transfer tower	Dry Fly ash Belt Conveyor	Fly ash	1	7500
	Elevator bottom	Dry Fly ash Silo Feeding	Fly ash	1	7500
	Fly ash silo top	Dry Fly ash Silo venting	Fly ash	1	15000
	Fly ash extraction elevator	Dry Fly ash Silo Extraction	Fly ash	1	7500
d	**Gypsum Handling**				
	Dump hopper	Bag filter at Gypsum Dump Hopper	Gypsum Dust	1	15000
	Transfer tower	Bag filter at Gypsum/ Laterite crusher or direct feed	Gypsum Dust	1	7500
	Transfer tower	Gypsum Belt Conveyor	Gypsum Dust	1	6500
	Transfer tower	Gypsum/Laterite Belt Conveyor	Gypsum Dust	1	6500
	Transfer tower	Gypsum/Laterite Belt Conveyor	Gypsum Dust	1	6500
	Cement mill- Gypsum Hopper	Gypsum/ Pond ash hopper	Gypsum Dust	1	15000
e	**Slag Handling**				
	Dump hopper	Bag filter at Gypsum Dump Hopper	Slag	2	15000
	Transfer tower	Slag Belt Conveyor	Slag	1	6500
	Transfer tower	Slag Belt Conveyor	Slag	1	6500
f	**Cement transport, storage & Packing**				
	BH Transport	Bag House Transport Air slide	Cement Dust	1	10000
	Elevator boot	Air slide & elevator bottom	Cement Dust	1	10000
	Silo-1	PPC Silo Top	Cement Dust	1	15000
	Silo-2	OPC Silo Top	Cement Dust	1	10000
	Silo-3	PSC & Composite Cement Silo* Top	Cement Dust	1	10000
	Silo-4	SRC & RHPC Silo* Top	Cement Dust	1	10000
	Silo-1	PPC Silo Extraction	Cement Dust	1	5000
	Silo-2	OPC Silo Extraction	Cement Dust	1	5000
	Silo-3	PSC & Composite Cement Silo* Extraction	Cement Dust	1	5000
	Silo-4	SRC & RHPC Silo* Extraction	Cement Dust	1	5000
	Packer 1	Airslide and Elevator Boot	Cement Dust	1	10000
		Roto packer dedusting	Cement Dust	1	40000

S. No.	Application		Material	Quantity (in Nos.)	Capacity (m^3/hr)
		Roto packer aux. dedusting	Cement Dust	1	20000
	Packer 2	Airslide and Elevator Boot	Cement Dust	1	10000
		Roto packer dedusting	Cement Dust	1	40000
		Roto packer aux. dedusting	Cement Dust	1	20000
	Bulk Loading	Cement Bulk Loading	Cement Dust	1	5000
	Packer 3	Airslide and Elevator Boot	Cement Dust	1	10000
		Roto packer dedusting	Cement Dust	1	40000
		Roto packer aux. dedusting	Cement Dust	1	20000
	Packer 4	Airslide and Elevator Boot	Cement Dust	1	10000
		Roto packer dedusting	Cement Dust	1	40000
		Roto packer aux. dedusting	Cement Dust	1	20000
	Total Quantity (A)			**67**	
2	**WAGON TIPPLER**				
	Wagon tippler extraction belt conveyor	Wagon tippler discharge	Clinker Dust	1	175000
	Transfer tower	Clinker belt conveyors	Clinker Dust	2	10000
	Total Quantity (B)			**3**	
	Grand Total Quantity (A+B)			**70**	

During meeting, the Committee observed that CWP No. 18676/2022 titled as Vasant Valley Public School, Ladda Kothi Sangrur Vs Union of India & Ors is pending in the Hon'ble Punjab & Haryana High Court. As per the Petition filed the complainant has raised concern pertaining to grant of Change of Land Use to the industry. SEAC through its Member Secretary and SEIAA through its Chairman SEIAA was made the Respondents in the case and reply on behalf of these respondents has already been filed in the Hon'ble Punjab & Haryana High Court. The next date of hearing has been fixed for on 19.01.2023.

The Committee further perused the status report submitted by the Punjab Pollution Control Board vide letter no. 11389 dated 27.05.2022, wherein, it has been mentioned that the industry has proposed to install bag filter house as APCD, which is not appropriate proposal to treat the emissions generated from the burning of Pet coke. The Committee asked the Project Proponent to revise the said proposal.

The Committee further observed that Punjab Pollution Control Board has not furnished comments pertaining to suitability of site for the establishment of such type of units. Further, as per the application proposal the industry has proposed to establish the unit in the total land area of 69.58 acres, out of which permission for Change of Land Use from agricultural to industrial land for 19.36 ha (47.82 acre) has been obtained vide Letter No. U.O. No. PBIP/STP(HUD)/2021/512 dated 13th December, 2021 and for application for obtaining

permission for remaining land i.e., 8.8 ha. (21.76 acre) is under progress. The Committee asked the industry to submit the documentary proof pertaining to submission of application for obtaining CLU for remaining land area of 21.76 acres.

After detailed deliberations, the Committee decided to defer the case till the reply of the below mentioned observations:

(i) The industry shall submit the revised proposal pertaining to installation of APCD with the thermic fluid heater type hot air generator.

(ii) The industry shall submit the documentary proof pertaining to submission of application for obtaining permission for CLU for remaining land area of 21.76 acres.

(iii) The industry shall submit the reply pertaining to complaint filed by Sh. Jasinder Sekhon R/o Sangrur on dated 31.05.2022. A copy of the complaint was handed over to the Project Proponent during the meeting.

(iv) The industry has proposed to transport raw material such as clinker, gypsum, fly ash and slag by road and rail. The Project Proponent shall provide the quantities of raw material to be transported by road and rail separately. Further, for transporting the raw material by road, road width, transportation route, requirement of number of trucks shall be clearly defined by carrying out the traffic study.

(v) The industry shall provide the details of all the bag filters such as air flow rate, air cloth ratio, type of bag, stack height etc.

(vi) The industry shall provide the acknowledgement of the application along with relevant enclosures submitted for obtaining forest clearance.

(vii) The industry shall provide detailed scheme for development of green area.

(ii) The industry shall allocate up to 1% of the total project cost on the following CER activities:

a) Development of Mini Forests (Nanak Bagchi), raising of Avenue Plantations and Plantations in public/community areas.

b) Rejuvenation of Village Ponds.

c) Development of Infrastructure for utilization of treated effluent of STPs.

d) Provision of solar panels in the Government / Municipal / other public schools, hospitals and Dispensaries, etc.

e) Rainwater harvesting in Public Buildings.

f) Alternatives to Single Use Plastic.

g) Solid waste Management

h) Other activities relating to amelioration of Air, Water and Soil pollution as prescribed in the applicable District Environment Plan (DEP).

i) Activities as proposed by the Project Proponent / their accredited consultants for the amelioration of Air, Water, and Soil pollution on the basis of field surveys and approved by SEIAA / SEAC.

Deliberations during 241st meeting of SEAC held on 06.03.2023.

The case was considered by the following:

(i) Mr. RL Meena, Authorized Signatory M/s Shree Punjab Cement Plant.
(ii) Mrs. Ekta Arora, Environmental Consultant M/s J.M Enviro Net Private Limited.

During meeting, the Project Proponent has presented point wise reply of the above said observations as under:

S. No.	Observation / additional details sought (ADS) of the SEAC Committee	Reply / Response
I.	The industry shall submit the revised proposal pertaining to installation of APCD with the thermic fluid heater type Hot Air Generator.	To remove moisture from raw materials Hot air is required in Clinker Grinding Unit. Therefore, hot air generator (HAG) has been proposed to install, which is further connected to cement mill bag house. Details of HAG has been already incorporated in Chapter 2 of Final EIA submitted. Hot air generated from HAG having capacity of 8.5 M Kcal/hr will be installed and for which Coal (Indian and imported), HSD, Dolochar & Biomass will be used as fuel. Detailed description of HAG is submitted.
II.	The industry shall submit the documentary proof pertaining to submission of application for obtaining permission for CLU for remaining land area of 21.76 acres.	Total area of project as per proposal submitted to SEIAA/SEAC is 28.16 ha. (69.58 acre), which has been purchased and under possession of applicant company (i.e. Shree Cement North Private Limited). Out of total project land area, Change of Land Use (from agriculture to industrial) has been done for ~19.36 ha. (47.82 acre) on which our clinker grinding unit plant will be setup and Change of Land Use (CLU) of remaining land & other land of applicant company has been applied and it is under progress. Whereas on this particular land railway siding and transportation activities will be establish.

		Since setting up of railway siding is not covered under the provisions of EIA notifications 14.06.2006 (as amended thereof) thus Environmental Clearance on railway siding is not applicable, however, as per categorization of industries by CPCB vide letter no. B 29012/ESS (CPA)/2015-2016 dated 07.03.2016. Mineral stack yard / Railway sidings (establishment of railway siding) falls in Green Category. Whereas, as per the para 7 (CLU for Green Category Industries will be given in 1. Industrial zone, 2. Mixed land use zone, 3. Industrial mix zone of master plans) of notification issued by Govt. of Punjab vide no. PS/PSHUD 206, dated 12.11.2021 and setting up of railway siding is falling under green category for which change of land use is not required/pre requisite. Whereas as per Zoning Regulations & Development Controls for Master Plan in the State of Punjab issued by Department of Town & Country Planning, Housing and Urban Development, Punjab, Govt. Of Punjab the establishment of railway siding is also permitted. CLU for railway siding is not required. Whereas, CLU application has been submitted to District Town Planner (DTP), Sangrur on 23.11.2022. Copy of the submission receipt of CLU application submitted.
III.	The industry shall submit the reply pertaining to complaint filed by Sh. Jasinder Sekhon R/o Sangrur on dated 31.05.2022. A copy of the complaint was handed over to the Project Proponent during the meeting.	Reply of complaint filed by Sh. Jasinder Sekhon R/o Sangrur is submitted.
IV.	The industry has proposed to transport raw material such as clinker, gypsum, fly ash and slag by road and	The industry proposed to transport raw material by road and rail; the quantities of

	rail. The Project Proponent shall provide the quantities of raw material to be transported by road and rail separately. Further, for transporting the raw material by road, road width, transportation route, requirement of number of trucks shall be clearly defined by carrying out the traffic study.	raw material to be transported by road and rail separately has been given in EIA report. Quantities of raw material to be transported by road & rail with requirement of number of trucks and transportation route with road width submitted. Detailed traffic study has been conducted by EIA consultant and projections has also been done based on raw material & product transportation by road, same is submitted.
V.	The industry shall provide the details of all the bag filters such as air flow rate, air cloth ratio, type of bag, stack height etc.	Detailed specification bag filters such as air flow rate, air cloth ratio, type of bag, stack height etc. is submitted.
VI.	The industry shall provide the acknowledgement of the application along with relevant enclosures submitted for obtaining forest clearance.	There is no Reserved Forest (RF)/ Protected Forest (PF) etc. within 10 km radius, except strip plantation along the road & railway line notified as protected Forest. To access the site, we need to cross the strip of plantation along the road & railway line, which has been notified as protected Forest for which we have already submitted an application (online) on Parivesh 2.0 portal of MoEF&CC for Forest Clearance (FC) vide proposal No FP/PB/ROAD/401991/ 2022, dated 01.10.2022 submitted. Hard copy of the FC application submitted to Divisional Forest Officer (Sangrur Forest Division) for diversion of 0.2979 ha. Protected Forest Land & Tree Cutting Permission (Strip Plantation along the PWD Road and Railway Line) for the approach access (entry /exit) and railway siding for railway connectivity vide our letter no. SCN PL/Sangrur/Forest/2022-23/194 dated 17.11.2022. The application is under process. Acknowledgement of the application submission along with enclosures submitted for obtaining FC.
VII.	The industry shall provide detailed scheme for development of green area.	Detailed plan/ scheme for development of planation & green area is submitted.

VIII.	The industry shall allocate up to 1% of the total project cost on the following CER activities: a) Development of Mini Forests (Nanak Bagchi), raising of Avenue Plantations and Plantations in public/community areas. b) Rejuvenation of Village Ponds. c) Development of Infrastructure for utilization of treated effluent of STPs. d) Provision of solar panels in the Government / Municipal / other public schools, hospitals and Dispensaries, etc. e) Rainwater harvesting in Public Buildings. f) Alternatives to Single Use Plastic. g) Solid waste Management h) Other activities relating to amelioration of Air, Water and Soil pollution as prescribed in the applicable District Environment Plan (DEP). i) Activities as proposed by the Project Proponent / their accredited consultants for the amelioration of Air, Water, and Soil pollution on the basis of field surveys and approved by SEIAA / SEAC.	As per Office Memorandum of MoEF&CC vide File No. 22-65/2017.IA.III, dated 30.09.2020 in supersession of the OM dated 01.05.2018 and further amended on 20.10.2020 (copy enclosed) it has been mentioned that *"MoEF&CC directed that EAC and SEAC shall deliberate the commitments made by the project proponent to address the concerns raised during the Public consultation and prescribe specific conditions in physical terms while recommending the proposal, for grant of prior EC instead of allocation of funds under Corporate Environment Responsibility and all the activities proposed by project proponent or prescribed by the Expert Appraisal Committee or State Expert Appraisal Committee, as the case may be part of the Environment Management Plan and this provision shall be applicable on all EC's which are issued on or after 30th September 2020".* Hence, the condition & compulsion of 1% Project cost on CER activities is not applicable on us. However, we are complying the provisions of OM of MoEF&CC File No. 22-65/2017.IA.III, dated 30.09.2020 and prepared the detailed CER plan based on the PH points, need based assessment/ survey of the area including activities advice by the SEAC has prepared and submitted.

Further, the Committee observed as under:

(i) The CWP No. 18676/2022 titled as Vasant Valley Public School, Ladda Kothi Sangrur Vs Union of India & Ors and CWP No. 20134 of 2022 titled as Harbinder Singh Sekhon & Ors Vs State of Punjab & Ors are pending in the Hon'ble Punjab & Haryana High Court. As per the aforementioned CWPs, the petitioners have raised concern pertaining to grant of Change of Land Use to the industry. In the CWP No. 18676 of 2022, SEIAA through its Chairman & SEAC through its Member Secretary were made the Respondent no. 9 & 10 respectively and in CWP No. 20134 of 2022, the SEIAA through Chairman has been made Respondent No. 11.

(ii) While hearing CWP No. 20134 of 2022 on dated 07.09.2022 the Hon'ble Court decided to adjourn the matter with the direction to take up the said matter along with CWP No. 18676 of 2022.

(iii) The CWP No. 20134 of 2022 again came up for hearing on 20.09.2022 and the Hon'ble Court directed that "***laying down of any infrastructure for the cement factory to remain stayed till the next date of hearing*.**" The next date of hearing has been fixed on 12.10.2022. The matter was adjourned to 29.11.2022 and then again adjourned to 19.01.2023.

(iv) Member Secretary, SEAC on behalf of Respondent No. 9 & 10, in the matter of CWP no. 18676 of 2022, filed affidavit in the Hon'ble Punjab & Haryana High Court before hearing on 19.01.2023, the relevant portion of the said affidavit is as under:

"It is submitted that Environment Clearance has not been granted to the Respondent no. 12 till date. Only Terms of Reference (TOR) have been issued vide SEIAA letter no. SEIAA/MS/2021/4746 dated 28.09.2021 after appraisal by SEAC for undertaking EIA study. Further, the said Respondent vide letter no. SCNPL/Sangrur/Environment Clearance/2021-22/8264 dated 15.10.2021 requested for issuance of amendment in Terms of Reference (ToR) and accordingly amended ToR was issued to the said Respondent vide letter no. SEIAA/MS/2021/4898 dated 25.11.2021. Further, the Environmental Clearance is in fact a preliminary clearance which is required by the project proponent before carrying out any construction activities related to the project and the project proponent does not need to obtain clearances from other authorities before obtaining Environmental Clearance."

(v) The case pertaining to the aforementioned CWPs jointly came up for hearing before the Court on 19.01.2023 and the Hon'ble Punjab and Haryana High Court passed orders, operative part of the same is reproduced as under:

"The learned counsels for the petitioners submit that the environmental wing of the State of Punjab, arrayed as respondent No.9, has declined to grant permission for the relevant purpose to the respondent No.12- Shree Cement North Private Limited.

The learned counsels for the petitioners further submit that permission has been granted to the said entity by another wing of the State of Punjab, therefore, opposite stands are taken by different wings of the State of Punjab. As such, the declining of permission by the environmental wing of the State of Punjab to the above industrial unit, is to prevail, or, enjoy precedence over the permission granted to the industrial unit concerned by the respondents No.9 and 10.

On the contrary, the learned counsel for the respondent No.12- entity concerned, submits that precedence is to be assigned to the permission granted to the entity concerned by the respondent No.3. He supports the above submission by drawing the attention of this Court to Annexure R9/3.

Therefore, the State of Punjab, through its Chief Secretary, is directed to clarify, which amongst the two rival departments, enjoys powers to grant the requisite

permission to co-respondent No.12. The above be done on or before the subsequent date of hearing."

The next date of hearing of the case was fixed on 17.02.2023.

(vi) SEIAA vide letter no. SEIAA/MS/2023/294 dated 07.02.2023 informed regarding the order passed by the Hon'ble Punjab & Haryana High Court on 19.01.2023 with details as mentioned above. A draft reply prepared by the Advocate on record in form of clarification to be submitted in the Hon'ble Court which was was forwarded to SEAC with request to finalize the same.

(vii) SEAC vide letter no. SEAC/MS/2023/310 dated 08.02.2023 forwarded the amended clarification in form of Affidavit to SEIAA for taking further necessary action. SEIAA through its supporting staff filed the clarification in form of Affidavit in the Hon'ble Punjab & Haryana High Court, the main part of the same is as under:

"That at the very outset, the deponent, wants to give clarification that Respondent No. 9 (The State Environment Impact Assessment Authority, Punjab through its Chairman) & Respondent No. 10 (The State Environmental Assessment Committee, Punjab through its Member Secretary) are not the environmental wings of the State of Punjab, rather these are notified by the Ministry of Environment, Forest & Climate Change (MoEF&CC), Govt. of India, vide Notification No. S.O.524(E) dated 3.02.2021 for a term of three years from the date of publication of this Notification in the Official Gazette, in exercise of the powers conferred by sub-section (3) of section 3 of the Environment (Protection) Act, 1986 and in pursuance of the Notification of the Govt. of India in the erstwhile Ministry of Environment & Forest, Number S.O.1533 (E), dated 14.09.2006.

That Respondent No. 12 (Shree Cement North Private Limited) has uploaded an online application/ proposal through Parivesh Portal to Respondent No. 9 for obtaining Environmental Clearance (EC) on dated 26.09.2022.

That Environment Clearance has neither been granted nor been declined by the Respondent No. 9 to the Respondent No. 12 till date. The application for grant of Environmental Clearance was considered by State Expert Appraisal Committee (SEAC) in its 234th meeting held on 12.12.2022, wherein, certain observations were made by the State Expert Appraisal Committee. The said observations were conveyed to the Respondent No. 12 through the Parivesh Portal in the form of Additional Details Sought on dated 20.12.2022. The Respondent No. 12 are yet to submit the reply on the observations made by SEAC. Further, action in the matter shall only be taken after submission of reply by Respondent No. 12."

(viii) The case again came up for hearing on 17.02.2023 and the Hon'ble Court took cognizance of the clarification submitted by Member Secretary, SEAC. The operative part of the order is reproduced as under:

"Though, the challenge made in the instant writ petitions, by the petitioners, to the grant of the CLU, is that, they are allegedly residing in the closest vicinity to the

industrial unit, which has been proposed to be set up, on the petition land(s), but yet, the said challenge to the grant of said CLU but is grooved in the factum, that there is likelihood of endangerment to the health of the residents of the colony, which exists in the closest proximity to the petition land(s). Therefore, though in respect of challenge(s) made to the grant of CLU is concerned, this Court has the roster, but, this Court does not have the roster to deal, with challenge(s) to the environmental hazards which are likely to ensue from the setting up of the industrial unit, on the petition land(s). Thus, at the pleasure of Hon'ble the Chief Justice, this case be listed before the bench, which has the roster, in respect of PIL matters.

Interim order to continue, but, only uptil the subsequent date of hearing, before the Bench, to which this case gets assigned"

(ix) The next date of hearing is yet to be informed by the Hon'ble Punjab and Haryana High Court.

The Committee, thereafter, perused the pointwise reply submitted by the Project Proponent and various orders of the Hon'ble Punjab and Haryana High Court. The Committee also heard the Project Proponent and their Consultant in person. The Committee observed that the reply of most of the observations is not satisfactory.

The Committee observed that the Project Proponent in their reply submitted that CLU application for obtaining permission for CLU of remaining land area of 21.76 acres for establishing railway siding & transportation activities has been submitted to District Town Planner, Sangrur on 23.11.2022. Further, the Project Proponent in their reply has submitted that 1353 No. of trips/day (truck of 30-ton capacity and bulker of 45-ton capacity) are required for transportation of raw material, fuel & finished product during initial years of unit operation till the installation of railway siding and after installation of railway siding, 740 No. of trips/day are required for the same. Further, as per Traffic Impact Assessment Report, 2460 No. of vehicles pass in 24 hours at State Highway-11 based on the traffic survey conducted for 24 hours.

The Committee observed that traffic due to transportation of raw material, fuel & finished product, in the absence of railway siding, may lead to traffic congestion, air and noise pollution in the vicinity of the project. Therefore, the project proponent is required to discuss the impact of this additional heavy traffic, even after providing railway siding, on the capacity of State Highway-11 and connecting link road with PWD authorities and enclose a certificate from them that both these roads have capacity to take this additional traffic load. The study regarding air & noise pollution due to additional traffic load in the vicinity of the project should also be got carried out and report submitted.

The Committee further observed that the matter is pending in the Hon'ble Punjab & Haryana High Court and SEAC is one of the Respondents. Since, the matter is under consideration of the Hon'ble Court, accordingly it was decided to defer the case and to take up the same after the decision of the Hon'ble Court.