

ENVIRONMENTAL  
CLEARANCE

PARIVESH

(Pro-Active and Responsive Facilitation by Interactive,  
and Virtuous Environment Single-Window Hub)



Government of India  
Ministry of Environment, Forest and Climate Change  
(Impact Assessment Division)

To,

The MANAGING DIRECTOR  
U.P. ASBESTOS LTD.  
25A, ASHOK MARG, LCUKNOW,, Lucknow, Uttar Pradesh-226001

**Subject:** Grant of Environmental Clearance (EC) to the proposed Project Activity under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC) in respect of project submitted to the Ministry vide proposal number IA/UP/IND/5671/2011 dated 23 May 2022. The particulars of the environmental clearance granted to the project are as below.

- |  |  |
|--|--|
| 1. EC Identification No.                   | EC23A012UP131816   |
| 2. File No.                                | J-11011/567/2011-IA.II(I)  |
| 3. Project Type                            | Expansion  |
| 4. Category                                | A  |
| 5. Project/Activity including Schedule No. | 4(c) Asbestos milling and asbestos based products                  |
| 6. Name of Project                         | Increase in production from 108000 Metric TPA to 144000 Metric TPA |
| 7. Name of Company/Organization            | U.P. ASBESTOS LTD.   |
| 8. Location of Project                     | Uttar Pradesh  |
| 9. TOR Date                                | 11 Feb 2019  |

The project details along with terms and conditions are appended herewith from page no 2 onwards.

Date: 23/02/2023

(e-signed)  
Dr. R. B. Lal  
Scientist F  
IA - (Industrial Projects - 1 sector)

*Note: A valid environmental clearance shall be one that has EC identification number & E-Sign generated from PARIVESH. Please quote identification number in all future correspondence.*

*This is a computer generated cover page.*

F. No. J-11011/567/2011-IA.II(I)  
Government of India  
Ministry of Environment, Forest and Climate Change  
(I.A. Division – Industry I sector)  
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Indira Paryavaran Bhawan  
Vayu Wing, 3<sup>rd</sup> Floor,  
Jor Bagh Road, Aliganj,  
New Delhi – 110003

Dated: 23<sup>rd</sup> February, 2023

To,

M/s UP Asbestos Ltd.,  
Mohanlalganj, Lucknow,  
Uttar Pradesh- 226301  
Email: [upal.sunil@gmail.com](mailto:upal.sunil@gmail.com)

**Project: Increase in production capacity of Asbestos Corrugated & plain Sheets from 1,44,000 TPA to 2,50,000 TPA and installation of pre-coloured galvanized MS profile sheet plant (non- asbestos) of 25000 TPA and Captive Cotton Rag Pulp Plant of capacity 2000 TPA of M/s UP Asbestos Ltd., located at Village-Mau, Taluka- Mohanlalganj, District-Lucknow, Uttar Pradesh-Grant of Environmental Clearance.**

Sir,

This refers to your proposal no. IA/UP/IND/5671/2011 dated 23.05.2022 received through PARIVESH Portal for grant of Environmental Clearance (EC) for the project mentioned above. Further, the PP has uploaded the ADS reply only on 21.12.2022 on Parivesh Portal.

2. As per the provisions of the Environment Impact Assessment (EIA) Notification, 2006, the above-mentioned project/activity is covered under category 'A' of schedule No. 4(c) Asbestos milling and asbestos based products and appraised at Central Level.

3. The proposal of M/s. U. P. Asbestos Ltd was considered during 7<sup>th</sup> meeting of the EAC for Industry-I sector held on 13-14<sup>th</sup> June, 2022 wherein, the committee recommended to defer the proposal. Based on submission of additional information on parivesh portal on 21.12.2022 the proposal was reconsidered in the in 21<sup>st</sup> meeting of Expert Appraisal Committee (Industry-1 Sector) held on 16-17th January 2023, wherein the Committee, after detailed deliberations, recommended the proposal for grant of EC. The minutes of the meeting and all the project documents are available on PARIVESH portal which can be accessed at <https://parivesh.nic.in>.

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

S. No.	Particulars	Details submitted by PP
a.	Terms of Reference for undertaking EIA study	11/02/2019
b.	Period of baseline data collection	Dec, 2019 to Feb, 2020
c.	Date of Public Consultation	The Public hearing was conducted on 08/10/2021, which was presided by ADM.
d.	Action plan to address	An amount of Rs 56.5 Lakhs has been earmarked to address the issues

S. No.	Particulars	Details submitted by PP																																			
	the PH issues	raised during public hearing and need based activity. Detail of activities proposed attached as <b>Annexure 1</b> .																																			
e.	Location of the project	Village-Mau, Taluka- Mohanlalganj, District-Lucknow, Uttar Pradesh																																			
f.	Latitude and Longitude of the project site	<table><tr><th>Sl No.</th><th>Co-ordinates</th><th>Sl No.</th><th>Co-ordinates</th><th>Sl No.</th><th>Co-ordinates</th></tr><tr><td>1</td><td>26°41'38.78"N 80°58'42.95"E</td><td>5</td><td>26°41'24.17"N 80°58'59.46"E</td><td>9</td><td>26°41'32.42"N 80°58'52.39"E</td></tr><tr><td>2</td><td>26°41'40.88"N 80°58'59.07"E</td><td>6</td><td>26°41'24.42"N 80°58'58.01"E</td><td>10</td><td>26°41'33.64"N 80°58'50.31"E</td></tr><tr><td>3</td><td>26°41'22.40"N 80°59'1.37"E</td><td>7</td><td>26°41'26.85"N 80°58'59.17"E</td><td>11</td><td>26°41'34.41"N 80°58'46.59"E</td></tr><tr><td>4</td><td>26°41'22.22"N 80°58'59.80"E</td><td>8</td><td>26°41'32.56"N 80°58'57.56"E</td><td>12</td><td>26°41'34.64"N 80°58'44.51"E</td></tr></table>						Sl No.	Co-ordinates	Sl No.	Co-ordinates	Sl No.	Co-ordinates	1	26°41'38.78"N 80°58'42.95"E	5	26°41'24.17"N 80°58'59.46"E	9	26°41'32.42"N 80°58'52.39"E	2	26°41'40.88"N 80°58'59.07"E	6	26°41'24.42"N 80°58'58.01"E	10	26°41'33.64"N 80°58'50.31"E	3	26°41'22.40"N 80°59'1.37"E	7	26°41'26.85"N 80°58'59.17"E	11	26°41'34.41"N 80°58'46.59"E	4	26°41'22.22"N 80°58'59.80"E	8	26°41'32.56"N 80°58'57.56"E	12	26°41'34.64"N 80°58'44.51"E
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g.	Total land	10.533 ha (26.03 Acre) [Private land]																																			
h.	Land acquisition details as per MoEF&CC O.M. dated 7/10/2014	It is a Private Land under the possession of UPAL. The expansion will take place in the existing land. No extra land is required for the proposed expansion.																																			
i.	Existence of habitation & involvement of R&R, if any	R&R issue is not involved.																																			
j.	Elevation of the project site	125 m AMSL																																			
k.	Involvement of Forest land if any	No involvement of Forest Land.																																			
l.	Water body exists within the project site as well as study area	<b>Project Site:</b> Nil  <b>Study Area:</b> Water body exists within the Buffer Zone Are: - Sarda Canal, 0.75 KM, N Loni Nala, 6.4 KM, E Bhujiniya Nala, 8.5 KM, N Bakh Nala, 1.2 KM, W																																			
m.	Existence of ESZ / ESA / national park / wildlife Sanctuary / biosphere Reserve / tiger reserve / elephant reserve etc. if any within the study area	Nil																																			
n.	Project cost	The capital cost of the project is Rs 5.54 Crores																																			
o.	EMP cost	<b>Type</b>		<b>Capital (Rs. in Crores)</b>		<b>Recurring (Rs. in Crores)</b>																															
		Proposed		Rs 0.7485 Crores		Rs 0.12 Crores																															
p.	Employment opportunity	The employment generation from the proposed project is 425																																			
q.	Water and Power requirement	Water –Existing water requirement is 570 KLD The power requirement for the project is estimated as 1350 KVA																																			

Unit configuration and capacity:

S. No.	Name	Existing Units	Proposed Units	Total (Existing + Proposed)
		Production TPA	Production TPA	Production TPA
1	Asbestos Corrugated & plain sheets	1,44,000	1,06,000	250000
2	Pre coloured galvanized MS Profile Sheet (Non Asbestos)	-	25000	25000
3	Captive Cotton Rag Pulp plant	-	2000	2000

5. The EAC, in its meeting held during 16-17<sup>th</sup> January, 2023, inter-alia, deliberated the following:

- The instant proposal is for increase in production capacity of Asbestos Corrugated & plain Sheets from 1,44,000 MTPA to 2,50,000 MTPA and installation of pre-coloured galvanized MS profile sheet plant (non-asbestos) of 25000 MTPA and Captive Cotton Rag Pulp Plant of capacity 2000 MTPA.
- The EAC, constituted under the provision of the EIA Notification, 2006 comprising Expert Members/domain experts in various fields, examined the proposal submitted by the Project Proponent in desired format along with EIA/EMP reports prepared and submitted by the Consultant accredited by the QCI/ NABET on behalf of the Project Proponent.
- The EAC noted that the Project Proponent has given an undertaking that the data and information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the EIA/EMP reports. If any part of data/information submitted is found to be false/ misleading at any stage, the project will be rejected and Environmental Clearance given, if any, will be revoked at the risk and cost of the project proponent.
- The Committee noted that the EIA reports are in compliance of the ToR issued for the project, reflecting the present environmental status and the projected scenario for all the environmental components. The Committee deliberated on the proposed mitigation measure towards Air, Water, Noise and Soil pollutions. The Committee suggested that the storage of toxic/explosive raw materials/products shall be undertaken with utmost precautions and following the safety norms and best practices.
- The existing project was initially accorded environmental clearance vide file no. 11011/31/1998-IA.II(I) dated 24.03.1999 and J-11011/43/2000-IA.II(I) dated 20.11.2010. The project was granted expansion in production capacity from 1,08,000 TPA to 144,000 TPA vide letter no. J- 11011/567/2011-IA II (I) dated 12.06.2015 with amendment dated 14.07.2020 and corrigendum to EC amendment on 12.03.2021. The latest consent to operate for the existing unit was accorded by Uttar Pradesh State Pollution Control Board vide Ir. no.

111833/UPPCB/Lucknow(LAB)/CTO/air/LUCKNOW/2020 & 111842/UPPCB/Lucknow (LAB)/CTO/water/LUCKNOW/2020 both dated 4/1/2021 and both valid up to 31/12/22.

- vi. The total project area is 10.533 ha. Land has already been acquired and under the possession of the company. The expansion will take place in the existing land. No extra land is required for the proposed expansion.
- vii. The existing water requirement is 570 KLD drawn from underground for process, drinking, domestic, plantation etc. out of which 342 KLD is the makeup water. The proposed water requirement for the project is estimated as 390 KLD, out of which 342 KLD of fresh water requirement will be obtained from the ground water source and the remaining requirement of 48 m<sup>3</sup>/day will be met from the recycled water.
- viii. Bakh Nala (1.2 KM, W), Sarda Canal (0.75 KM, N), Loni Nala (6.4 KM, E) and Bhujiniya Nala (8.5 KM, N) are within 10 Km. radius of the plant site. Few ponds exist within 10 Km radius. The EAC is of the opinion that water bodies shall not be disturbed. Mitigation measures w.r.t. safeguarding the water bodies shall be implemented.
- ix. The Committee has found that the baseline data and incremental GIC due to the proposed project within NAAQ standards.
- x. The EAC noted that the green belt / green cover area in and around the project area is 9.882 acres (3.999 ha) in which about 6299 number of Plants have already been planted. The existing greenbelt will be strengthened by planting additional 2366 number of trees. The green belt / cover after strengthening will be about 38.6% of the total project area. The Committee deliberated on the action plan and budget allocation for green belt development and is of the view that the greenbelt shall be completed within a span of one year.
- xi. The committee deliberated details of carbon foot prints and carbon sequestration study w.r.t. proposed project and found them to be satisfactory.
- xii. The Committee deliberated upon the certified compliance report of IRO along with action taken on the observations of IRO and review report of IRO and found it satisfactory.
- xiii. The Committee also deliberated on the public hearing issues along with action plan submitted by the proponent to address the issues raised during the public hearing and found it satisfactory.
- xiv. The Committee deliberated on the ADS reply submitted by the PP and found it satisfactory. The Committee also appreciated the PP/consultant for their in-depth study and tidy presentation.
- xv. The EAC deliberated on the proposal with due diligence in the process as notified under the provisions of the EIA Notification, 2006, as amended from time to time and accordingly made the recommendations to the proposal. The Experts Members of the EAC found the proposal in order and recommended for grant of environmental clearance.
- xvi. The environmental clearance recommended to the project/activity is strictly under the provisions of the EIA Notification 2006 and its subsequent amendments. It does not tantamount/construe to approvals/consent/permissions etc. required to be obtained or standards/conditions to be followed under any other Acts/ Rules/ Subordinate legislations, etc.,

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as may be applicable to the project. The project proponent shall obtain necessary permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, as applicable from time to time, from the State Pollution Control Board, prior to construction & operation of the project.

6. The EAC, in its **21<sup>st</sup> meeting of Expert Appraisal Committee (Industry-1 Sector) held on 16-17<sup>th</sup> January, 2023**, based on information & clarifications provided by the project proponent and after detailed deliberations **recommended** the instant proposal for grant of Environment Clearance under the provisions of EIA Notification, 2006 subject to the stipulation of following specific conditions and general conditions as per the Ministry's Office Memorandum No. 22-34/2018-III dated 9/8/2018 based on project specific requirements:

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

**A. Specific conditions:**

- i. The company shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.
- ii. The project proponent shall utilize modern technologies for capturing of carbon emitted and shall also develop carbon sink/carbon sequestration resources capable of capturing more than emitted. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.
- iii. The activities and the action plan proposed by the project proponent to address the issues raised during public hearing and socio-economic issues in the study area shall be completed as per the schedule presented before the Committee and as described in the EIA report in letter and spirit.
- iv. Occupational health studies for all staff once in six months shall be carried out.
- v. Fiber monitoring shall be carried out at the work zone and around the premises once in three months.
- vi. PM level shall be less than 30 mg/Nm<sup>3</sup>.
- vii. Three tier Green Belt shall be developed in a time frame of one year with native species all along the periphery of the project site of adequate width and tree density shall not be less than 2500 per ha. Survival rate of green belt developed shall be monitored on periodic basis to ensure that damaged plants are replaced with new plants in the subsequent years. Compliance status in this regard, shall be submitted to concerned Regional Office of the MoEF&CC.
- viii. Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.
- ix. The project proponent shall adhere to the prescribed BIS standards and laws regarding use and handling of asbestos, safety of employees etc. Raw materials like asbestos fibre and cement shall be transported in closed containers. Asbestos fibre shall be brought in pelletized form in impermeable bags and under compressed condition.
- x. Only Chrysotile white asbestos fibre shall be used. Blue asbestos shall not be utilized as raw



material in the manufacturing process.

- xi. There shall be no manual handling/opening of asbestos fibre bags. The company shall install fully automatic asbestos fibre debagging system.
- xii. Fugitive emissions shall be controlled by bringing cement in closed tankers, fly ash in covered trucks and asbestos in impervious bags opening inside a closed mixer. Dust collectors shall be provided to Fibre. mill, Bag opening device (BOD), Cement and Fly ash silos to control emissions. Bag filters followed by wet washer shall be provided at automatic bag opening machine, bag shredder, fibre mill and to cement silo to collect the dust and recycle it into the process. Fugitive emissions generated from hopper of Jaw crusher and pulverizer shall be channelized through hood with proper suction arrangement, bag filter and stack.
- xiii. The Company shall comply with total dust emission limit of  $2 \text{ mg/Nm}^3$  as notified under the Environment (Protection) Act, 1986. Adequate measures shall be adopted to control the process emission and ensure that the stack emission of asbestos fibre shall not exceed the emission limit of 0.2 fibre/cc. Asbestos fibre in work zone environment shall be maintained within 0.1 fibre/cc.
- xiv. Bags containing asbestos fibre shall be stored in enclosed area to avoid fugitive emissions of asbestos fibre from damaged bags, if any.
- xv. Proper housekeeping shall be maintained 'within the plant premises. Process machinery, exhaust and ventilation systems shall be laid in accordance with Factories Act. Better housekeeping practices shall be adopted for improvement of the environment within the work environment also. These include:
  - a) All monitoring transfer points shall be connected to dust extraction system.
  - b) Leakages or dust from machines and ducts shall be plugged.
  - c) Floor shall be cleaned by vacuum cleaner only.
  - d) Enclosed belt conveyer shall be used instead of manual transportation of asbestos within the premises.
- xvi. Quarterly monitoring of pollutant ( $\text{PM}_{10}$ , asbestos fibre count) in the work zone area and stack(s) shall be undertaken by the Project proponents. In addition, the asbestos fibre count including the fugitive dust in the work zone area shall be monitored by an Independent monitoring agency like NIOH /ITRC / NCB or any other approved agency on six monthly basis and reports shall be submitted to the Ministry's Regional Office, SPCB and CPCB.
- xvii. As reflected in the Environmental Management Plan, all the treated effluent shall be recycled and reused in the manufacturing process. No process water shall be discharged outside the premises and 'zero' discharge shall be maintained. All the domestic Wastewater shall be treated in septic tank followed by soak pit and used for green belt development.
- xviii. The Company shall ensure that the entire Solid waste generated including process rejects, cement, fly ash, dust from bag filters and empty. asbestos bag shall be recycled back in the manufacturing process. There will be no solid waste disposal outside the plant premises. Asbestos fibres which cannot be further recycled due to contamination of iron dust shall be stored in HDPE lined secured landfill. The disposal facilities for asbestos waste shall be in accordance with the Bureau of Indian Standard Code.
- xix. The cut and damaged fibre bags shall be repaired immediately. Empty fibre bags will be shredded into fine particles in a bag shredder and recycled into the process. Piling of AC sheets shall be done in wet condition only.

- xx. The Company shall obtain a certificate from the supplier of Chrysotile fibre that it does not contain any toxic or trace metals. A copy of certificate shall be submitted to the Ministry of Environment and Forests.
- xxi. Regular medical examination of the workers and health monitoring of all the employees shall be carried out and if cases of asbestosis are detected, necessary compensation shall be arranged under the existing laws. The proponent shall create in-house facilities for spirometry test. A competent occupational health physician shall be appointed to carry out medical surveillance. Occupational health of all the workers shall be monitored for lung function test, Spirometry test, chest x-ray, sputum for acid-fast-bacilli (AFC) and asbestos body (AB), urine for Sugar and albumen, blood tests for TLC, DLC, ESR, Hb and records maintained for at least 40 years from the beginning of the employment or 15 years after the retirement or cessation of employment whichever is later. Occupational Health Surveillance shall be carried out as per the directives of the Hon'ble Supreme Court including the recent Kalyaneswari case.
- xxii. Workers must wear the appropriate personal protective equipment (PPE) clothing and respirator for the type of work they are doing.
- xxiii. To educate the workers, all the work places where asbestos dust may cause a hazard shall be clearly indicated (Asbestos Hazard Awareness SOP) as a dust exposure area through the use of display signs which identifies the hazard and the associated health effects.
- xxiv. The company shall also undertake rain water harvesting measures as per the plan submitted in the EIA/EMP report.
- xxv. A proper action plan must be implemented to dispose of the electronic waste generated in the industry.
- xxvi. All the recommendations made in the risk assessment report shall be implemented and compliance status in this regard shall be furnished to the Regional Office of the MoEF&CC along with the six monthly compliance report.
- xxvii. All the commitments made to the public during the Public Hearing/Public Consultation shall be satisfactorily implemented. The action plan based on the social impact assessment study of the project as per the EMP in accordance to the Ministry's OM dated 30.09.2020 shall be strictly implemented and progress shall be submitted to the Regional Office of MoEF&CC.
- xxviii. The Plastic Waste Management Rules 2016, inter-alia, mandated banning of identified Single Use Plastic (SUP) items with effect from 01/07/2022. In this regard, CPCB has issued a direction to all the State Pollution Control Boards (SPCBs)/Pollution Control Committees (PCCs) on 30/06/2022 to ensure the compliance of Notification published by Ministry on 12/08/2021. The technical guidelines issued by the CPCB in this regard is available at <https://cpcb.nic.in/technical-guidelines-3/>. All the project proponents are hereby requested to sensitize and create awareness among people working within the Project area as well as its surrounding area on the ban of SUP in order to ensure the compliance of Notification published by this Ministry on 12/08/2021. A report, along with photographs, on the measures taken shall also be included in the six monthly compliance report being submitted by the project proponents.
- xxix. The project proponent shall adopt the Clean Air practices like mechanical collectors, wet scrubbers, fabric filters (bag houses), electrostatic precipitators, combustion systems (thermal oxidizers), condensers, absorbers, adsorbers, and biological degradation. Controlling emissions related to transportation shall include emission controls on vehicles as well as use of cleaner fuels. Sufficient numbers of additional truck mounted Fog/Mist water cannons shall be



procured and operated regularly inside the project premises and also in the surrounding villages to arrest suspended dust in the atmosphere.

**B. General conditions:**

**I. Statutory compliance:**

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

**II. Air quality monitoring and preservation**

- i. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission as well as Continuous Ambient Air Quality Station (CAAQS) for monitoring AAQ parameters with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time. The CFMS and CAAQMS shall be connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- ii. The project proponent shall monitor fugitive emissions including asbestos fibre count in the plant premises at least once in every quarter through laboratories recognised under Environment (Protection) Act, 1986 or NABL accredited NIOH / ITRC / NCB or any other approved agency.
- iii. The project proponent shall provide appropriate dust collectors to Fibre mill, Bag opening device (BOD), Cement and Fly ash silos. Bag filters followed by wet washer shall be provided at automatic bag opening machine, bag shredder, fibre mill and to cement silo to collect the dust and recycle the same into the process.
- iv. High Efficiency Particulate Air filters (HEPA) preceded by primary filters shall be installed on all asbestos contaminated areas.
- v. Total dust emission limit of  $2 \text{ mg/Nm}^3$  as notified under the Environment (Protection) Act, 1986 shall be complied. Adequate measures shall be adopted to control the process emission and ensure that the stack emission of asbestos fibre shall not exceed the emission limit of 0.2 fibre/cc. Asbestos fibre in work zone environment shall be maintained within 0.1 fibre/cc.
- vi. Provide leakage detection and mechanised bag cleaning facilities for better maintenance of bags.
- vii. Pollution control system in the steel plant shall be provided as per the CREP Guidelines of CPCB.
- viii. Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.
- ix. Channelize through hood with proper suction arrangement, bag filter and stack the fugitive emissions generated from hopper of Jaw crusher and pulverizer.
- x. Separate truck parking area shall be provided and monitor vehicular emissions at regular interval.

- xi. Bring the cement in closed tankers, fly ash in covered trucks and asbestos in impervious bags opening inside a closed mixer.
- xii. The bags containing asbestos fibre including damaged bags, if any shall be stored in enclosed area.
- xiii. Place the asbestos contaminated materials (non-encapsulated) for off-site removal in sealed packaging such as double sealed heavy duty (700 gauge) plastic bags, suitably labelled.
- xiv. Empty and damaged fibre bags shall be shredded into fine particles in a bag-shredder and recycled into the process.
- xv. AC sheets shall be piled in wet condition only.
- xvi. Efforts shall be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agricultural land by the use of covered conveyor belts/railways as a mode of transport.
- xvii. Proper housekeeping shall be maintained within the plant premises. Process machinery, exhaust and ventilation systems shall be laid in accordance with Factories Act. Better housekeeping practices shall be adopted for improvement of the environment within the work environment also. These include:
  - a. All monitoring transfer points shall be connected to dust extraction system.
  - b. Leakages or dust from machines and ducts shall be plugged.
  - c. Floor shall be cleaned by vacuum cleaner only and the dust collected shall be reused in the process.
  - d. Enclosed belt conveyer shall be used instead of manual transportation of asbestos within the premises
- xviii. Ventilation system shall be designed for adequate air changes as per ACGIH document for all tunnels, motor houses, cement bagging plants.

### **III. Water quality monitoring and preservation**

- i. The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 (G.S.R. No. 913 (E) dated 24th October, 1989 as amended time to time (Asbestos) as amended from time to time and connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- ii. The project proponent shall monitor regularly ground water quality at least twice a year (pre and post monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognised under Environment (Protection) Act, 1986 and NABL accredited laboratories.
- iii. Adhere to 'Zero Liquid Discharge'
- iv. Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.
- v. Water meters shall be provided at the inlet to all unit processes in the plants

### **IV. Noise monitoring and prevention**

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

#### **V. Energy Conservation measures**

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

#### **VI. Waste management**

- i. The PP shall ensure that the entire solid waste generated including process rejects, cement, fly ash, dust from bag filters and empty asbestos bag shall be recycled back in the manufacturing process. There will be no solid waste disposal outside the plant premises. Asbestos fibres which cannot be further recycled due to contamination of iron dust shall be stored in HDPE lined secured landfill. The disposal facilities for asbestos waste shall be in accordance with the Bureau of Indian Standard Code.
- ii. The waste oil, grease and other hazardous shall be disposed of as per the Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016.
- iii. Kitchen waste shall be composted or converted to biogas for further use.

#### **VII. Green Belt**

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

#### **VIII Public hearing and Human health issues**

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

#### **IX. Environment Management**

- i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 30/09/2020. As part of Corporate Environment Responsibility (CER) activity, company shall adopt nearby villages based on the socio-economic survey and undertake community developmental activities in consultation with the village Panchayat and the District Administration as committed.

- ii. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholder's / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
- iii. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.

#### **X. Miscellaneous**

- i. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
- ii. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- iii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- iv. The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
- v. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
- vi. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- vii. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- viii. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
- ix. The PP shall put all the environment related expenditure, expenditure related to Action Plan on the PH issues, and other commitments made in the EIA/EMP Report etc. in the company web site for the information to public/public domain. The PP shall also put the information on the left over funds allocated to EMP and PH as committed in the earlier ECs and shall be carried out and spent in next three years, in the company web site for the information to public/public domain.



- x. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
- xi. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
8. The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.
9. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.
10. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
11. The above conditions shall be enforced, *inter-alia* under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
12. This issues with approval of the competent authority.

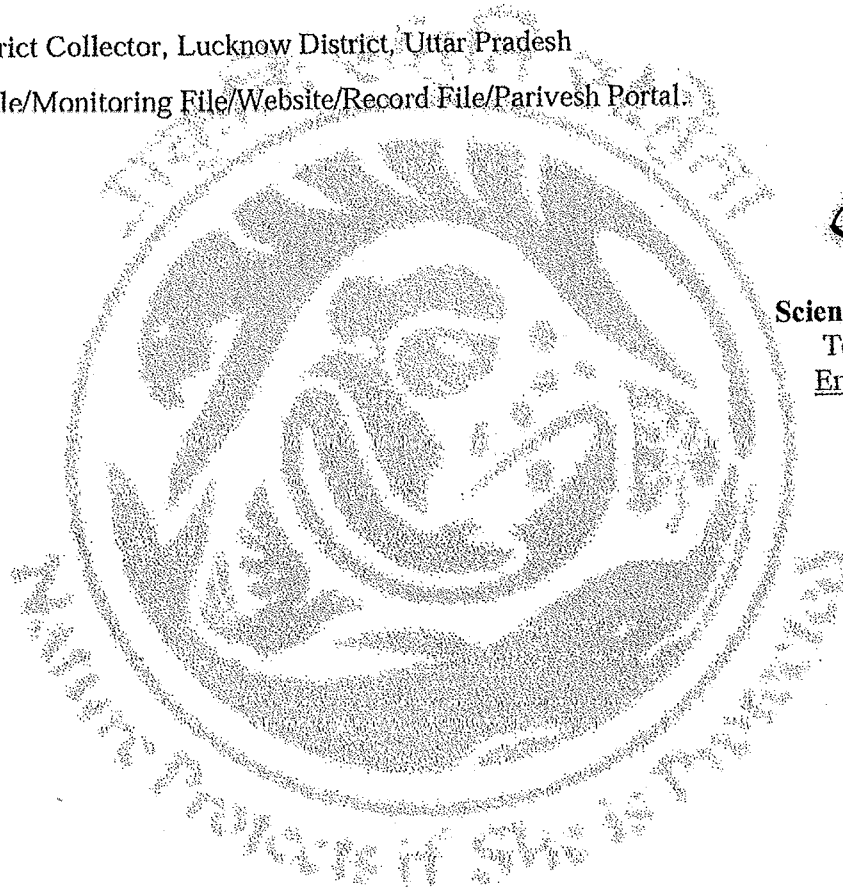
(Dr. R. B. Lal)  
Scientist 'F' / Director  
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**Encl. as above at Annexure -I**

**Copy to: -**

1. The Secretary, Department of Environment, Government of Uttar Pradesh, Sachivalaya, Bapu Bhawan, Adjacent to Vidhan Sabha, Lucknow – 226001.
2. The Director General of Forest, Ministry of Environment, Forest and Climate Change, New Delhi
3. The Deputy Director General of Forests (C), Integrated Regional Officer, Ministry of Environment, Forest and Climate Change, Kendriya Bhawan, 5th Floor, Sector "H", Aliganj, Lucknow – 226020
4. The Chief Wildlife Warden, Government of Uttar Pradesh, 17, Rana Pratap Marg, Lucknow, U.P.

5. The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi -32
6. The Chairman, Uttar Pradesh State Pollution Control Board, Building. No. TC-12V. Vibhuti Khand, Gomti Nagar. Lucknow-226 010
7. The Member Secretary, Uttar Pradesh State Pollution Control Board, PICUP Bhawan, 3rd Floor, B-Block, Vibhuti Khand, Gomti Nagar Lucknow – 226 010.
8. The Member Secretary, Central Ground Water Authority, Jamnagar House, 18/11, Man Singh Road Area, New Delhi, Delhi 110001
9. The Monitoring Cell, IA Division, Ministry of Environment, Forest and Climate Change, New Delhi
10. The District Collector, Lucknow District, Uttar Pradesh
11. Guard File/Monitoring File/Website/Record File/Parivesh Portal.



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Table: Action Plan as per Ministry's O.M. dated 30/09/2020

Scheme Envisaged on Public Issues Raised During Public Consultation	Year Wise Expenditure (Rs. Lakhs)					Total Expenditure (Rs. Lakhs)
	2022-23	2023-24	2024-25	2025-26	2026-27	
<b>A. Projects / Schemes in Response to Issues Raised During Public Hearing</b>						
Maintenance & up keep of 3 Coshalas in Mohan Lal ganj	3.0	3.0	3.0	3.0	3.0	15.0
Maintenance & up keep of 2 Primary Schools in Mohan Lal Ganj.	3.0	3.0	3.0	3.0	3.0	15.0
<b>Total</b>	<b>6.0</b>	<b>6.0</b>	<b>6.0</b>	<b>6.0</b>	<b>6.0</b>	<b>30.0</b>
<b>B. Continuation of On-going CSR Schemes In Response to Public Hearing</b>						
Health Care and Sanitation Works – Distribution of Blankets to needy in Villages and Sanitary Pad Machine to women group in Gram Panchayats.	0.8	0.8	0.8	0.8	0.8	4.0
Infrastructure creation for drinking water supply Extension of drinking water pipeline by 100 m approximately in 5 Gram Panchayats.	0.8	0.8	0.8	0.8	0.8	4.0
Education and sports infrastructure creation – Supply of Benches / Chairs and Sports goods in 5 Primary Schools	1.5	1.5	1.5	1.5	1.5	7.5
Repair and maintenance of Roads and Drains in 5 Village Panchayats.	1.4	1.4	1.4	1.4	1.4	7.0
Environmental protection (Avenue plantation, Plantation in community areas, etc) in 5 Village Panchayats	0.8	0.8	0.8	0.8	0.8	4.0
<b>Total</b>	<b>5.3</b>	<b>5.3</b>	<b>5.3</b>	<b>5.3</b>	<b>5.3</b>	<b>26.5</b>
<b>Grand Total of All Schemes undertaken in view of Public Consultation</b>	<b>11.3</b>	<b>11.3</b>	<b>11.3</b>	<b>11.3</b>	<b>11.3</b>	<b>56.5</b>

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Scientist F  
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