Dalmia cement
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To,
The Member Secretary (Industry - I)
Indira Paryavaran Bhawan,
Ministry of Environment, Forest & Climate Change, Govt. of India
Jorbagh Road, Aliganj,
New Delhi-110003

Date: 6th Feb 2024

Sub: Name Change in Environmental Clearance of Existing Integrated Cement Plant at Kalyanpur PO-Banjari Distt. - Rohtas Bihar, from M/s Kalyanpur cement Limited to M/s Dalmia Cement (Bharat) Limited- **Reply of EDS reg.**

Ref: I. EDS raised dated 31st Jan 2024
II. Application submitted to MoEF&CC on 22nd Jan 2024 vide **Proposal no. IA/BR/IND1/458913/2024; Single Window No. SW/168941/2024; CAF No. CAF/153980/2024 & File no. J-11011/366/2011-IA.II(I)**

Dear Sir,

With reference to the above-cited subject and references, Essential Details Sought (EDS) was raised by MoEF&CC, New Delhi on 31st Jan 2024 on our application for change of name in Environmental Clearance and we are herewith submitting the Point wise Reply:

S. No.	Point Raised	Reply
1.	On perusal of application it was observed that PP vide EC letter dated 9th March 2016 has obtained EC for 1.15 MTPA Cement Plant and 15 MW CPP, however, CTO dated 27.06.2022 has been obtained for 1.7 MTPA Cement and 1.1 MTPA Clinker production. Please clarify for the same.	Environmental Clearance for the 1.15 MTPA Cement Plant was granted by MoEF&CC vide letter vide F No. **J-11011/366/2011 IA-II(I)** dated **09.03.2016** (**Annexure-1**). Subsequent to taking over of the company by DCBL under insolvency, as the plant was old and shut down for few years, hence upon acquisition, under the provision of MoEFCC Notification vide S.O.980 (E) dated 2nd March, 2021, DCBL applied on 25.06.2021 to MoEF&CC for expansion of production capacity of Clinker from 0.7 Million TPA to 1.1 Million TPA and Cement from 1.15 Million TPA to 1.70 Million TPA with few modification/upgradations/optimization along with installation of WHRB 4.58 MW under No Increase in Pollution Load (NIPL) vide Single Window no. SW/1544/2021, Proposal No. IA/UP/IND/216837/2021 and File No. J-11011/366/2011-IA II(I). Based on the same, DCBL obtained Consent to Establish from BSPCB vide Memo no. 260 dated 25.01.2022 for Clinker 1.1 Million TPA & Cement 1.7 Million TPA (**Annexure-2**) and thereafter obtained Consent to Operate issued by BSPCB for Clinker 1.1 Million TPA & Cement 1.7 Million TPA vide order no. 1093 & 1904 dated 27.06.2022 (**Annexure-3**).

S. No.	Point Raised	Reply
2.	PP needs to submit NOC in the form of Affidavit on a Non Judicial Stamp Paper.	NOC in the form of Notarized Affidavit on a Non-Judicial Stamp Paper of Rs. 100/- is uploaded under Additional document and also been uploaded in relevant section of the Form.
3.	Please uploaded copy of Transfer of the firm from competent authority (i.e., Registrar of companies, Ministry of corporate Affair duly incorporated with CIN) for both the companies.	M/s Kalyanpur Cement Limited has been taken over by M/s. Dalmia Cement (Bharat) Limited (DCBL) and copy of all relevant orders are uploaded online under section 8.3 **"Copy of Transfer of the firm from competent authority was granted."** However, brief of all transfer documents with ROC of both companies are given below and **copies of documents are attached as following annexures**: **Annexure-5:** Order of Hon'ble National Company Law Tribunal, Kolkata passed on 31.01.2018 and duly approved under the resolution plan u/s 31(1) of the insolvency and Bankruptcy code 2016. **Annexure-6:** Name of KCL has been changed to Dalmia DSP Ltd. a wholly owned subsidiary of DCBL and Certificate from the Registrar of Companies (ROC), Ministry of corporate Affair duly incorporated with **CIN no. U26942WBL937PLCA09086** dated 23.08.2018 (Certificate of Incorporation pursuant to change of name). **Annexure-7:** The Scheme of amalgamation of Dalmia DSP Ltd. with it's holding company Dalmia Cement (Bharat) Ltd. had been approved by the Hon'ble National Company Law Tribunal (NCLT), Kolkatta on 15th Feb. 2022 and NCLT, Chennai on 10th June 2022 and accordingly on implementation of the said scheme, Dalmia DSP Ltd. was amalgamated with its holding company Dalmia Cement (Bharat) Ltd. CIN no. of DCBL is **U65191TN1996PLC035963.**
4.	The PP needs to submit the details of activities/EC/ CTEs/CTOs in tabular form showing its details of EC/CTEs/CTO vis-à-vis production capacity since grant of CTE/CTO to check the violation, if any. All old CTEs/CTOs/ HW Authorization to be uploaded to verify the violation, if any. Pls also specify implementation status of the project.	A brief on chronology of all Clearances/Consents vis-à-vis production capacity since grant of CTE/CTO in tabular form is attached **as Annexure-8.** M/s Kalyanpur Cement Limited has been taken over by M/s. Dalmia Cement (Bharat) Limited (DCBL) u/s 31(1) of the insolvency and Bankruptcy code 2016, pursuant to the order dated 31.01.2018 passed by Hon'ble National Company Law Tribunal, Kolkata. Copies of all CTEs/CTOs/ HW Authorization has been uploaded along with the brief on chronology from **Annexure A to I of Annexure 8.**

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S. No.	Point Raised	Reply
	violation, if any. Pls also specify implementation status of the project.	
5.	Details of court cases, Directions issued by SPCB/CPCB, if any, pending.	There are no litigation/ Court cases or show cause related to the environment is pending with SPCB/CPCB/ in court or government authorities for the plant.
6.	It is mentioned that the processing of EC transfer proposal, in the Ministry, is through Parivesh Portal only, therefore providing the requisite information/documents shall be in compliance as per Form and accordingly the PP are kindly requested to revise the application in the Form and resubmit the same.	Noted and complied.

Hope the above information will suffice the requirement. You are requested, kindly consider the above submission and process further to change the name of unit from Kalyanpur Cement Limited to Dalmia Cement (Bharat) Ltd. in the Environmental Clearance of above said plant. We shall be grateful for the same.

Thanking You,

Yours Faithfully,

For M/s Dalmia Cement (Bharat) Ltd.

(Ashutosh Kumar Tiwary)
Unit Head & Deputy Executive Director

Encl.-As above

Dalmia Cement (Bharat) Limited
Rohtas Cement Works, Vill.- Kalyanpur, P.O Banjari, District – Rohtas, Bihar, Pin-821 303, India
Tel +91 9318 353 162 Toll Free 1800 2020 W www.dalmiacement.com CIN : U65191TN1996PLC035963
Registered Office : Dalmiapuram, District Tiruchirapalli, Tamil Nadu - 621 651, India.
A Dalmia Bharat Group Company, www.dalmiabharat.com

ANNEXURE-1

F. No. J-11011/366/2011-IA II (I)
Government of India
Ministry of Environment, Forest and Climate Change
(I.A. Division)

Indira Paryavaran Bhawan
Jor Bagh Road, Aliganj
New Delhi - 110003
E-mail: satish.garkoti@nic.in
Tel: 011- 24695316

Dated: 7th March, 2016

To

M/s Kalyanpur Cement Ltd.
Maura Cemter, 1, Fraser Road,
Patna, Bihar-800001

Subject: Expansion of Cement Plant from 1 MTPA to 1.15 MTPA with captive Power Plant by M/s Kalyanpur Cements Ltd. (KCL) at village Kalyanpur, P.O. Banjari, District Rohtas, Bihar - Environment Clearance-regarding.

Sir,

This has reference to your online application No. IA/BR/IND/4554/201 dated 25.08.2015 along with copies of EIA/EMP report and subsequent letter dated 12.01.2016 seeking Environment Clearance under the provisions of the EIA Notification, 2006 for the project mentioned above. The Terms of Reference (ToRs) to the project were prescribed by the Ministry vide letter No. J-11011/366/2011-IA-II(I) dated 9th September, 2011. The public hearing for the project was conducted on 15th July 2012. However due to delay in getting NOC and authenticated map from the Chief Wildlife Warden regarding distance of plant from Kaimur Wildlife Sanctuary, the ToRs had to be extended for two terms from 9th September 2013 to 8th September 2014 and again till 8th September 2015 vide letters of even number dated 28.04.2014 and 27.08.2015 respectively. The proposed project activity is listed at S.No. 3(b) in Cement Plant under Category 'A' of the Schedule of EIA Notification 2006.

2.0 M/s Kalyanpur Cements Limited (KCL) has proposed to expand the capacity of its existing cement plant located at Village Kalyanpur, District Rohtas, Bihar from 1.0 MTPA capacity to 1.15 MTPA. In addition, a captive power plant of 15 MW is also proposed in the same premises. The proposed expansion will be carried out within existing project premises of 100.75 acres. In the cement plant, the machinery and infrastructure has enough spare capacity to handle the additional production of 0.15MTPA. No additional land will be acquired for the proposed expansion project.

3.0 The project site is well connected by road with NH-2C, located adjacent to the plant. The nearest Railway Station is at Dehri-on-Sone, approximately 35 km from the project site. The River Sone flows near to the project site at a distance of 1.1 km on the eastern side. The total cost of the project will be Rs.106.74 crores. The plant is located at a distance of 270 meters from Kaimur Wildlife Sanctuary; however, the village Kalyanpur, District Rohtas, where the plant is located, has not been included in the annexure appended to the Eco Sensitive Zone Notification issued vide S.O. No. 3549 (E) dated 30th December, 2015. The total capital cost for environmental pollution control measures will be Rs.10.0 crores and

recurring cost will be Rs.0.5 crores per annum. Rs.5.33 crores has been allocated towards CSR activities which will be in no case utilized for any other purpose.

4.0 The raw material required for the cement plant includes limestone, gypsum, fly ash and coal. For the captive power plant, the raw material required will be coal. The average total additional water requirement for the proposed expansion project is estimated at about 250 KLD for captive power plant and 20 KLD for domestic, which will be sourced from the mines water reservoir and bore-wells respectively. The power and energy demand of cement plant are 9 MW and 71.71 KWh per annum at the present production level. However after enhancement of the plant capacity to 2200 TPD, the power requirement shall increase to 11.5 MW. Due to very high power cost of BSEB, KCL has proposed to establish a 15 MW Captive Power Plant. At present, the total manpower employed with KCL and its contractors is about 1000. After the proposed expansion and installation of captive power plant, an additional manpower of 39 will be required for operation of the plant.

5.0 Considering the potential heat values of the waste flue gases of cement plant process, it is proposed to install the "Waste Heat Recovery Boiler". The selected configuration for generation of power would consist of coal and washery coal based thermal power plant having one boiler with MCR 60 TPH and two waste heat recovery boiler (PH & AQC) connected to one turbo generators of 15 MW capacity.

6.0 Public hearing for the project was conducted on 15th July 2012 at Primary School, Baknaura, District Rohtas, Bihar. The major issued raised during the public hearing inter-alia include impact of proposed expansion and installation of captive power plant on the nearby agricultural fields, water quality and water use, water pollution, air pollution, CSR activities etc.

7.0 The proposal was considered by the Expert Appraisal Committee (Industry-I) during its 1st meeting held on 18th -20th November, 2015 and recommended the project for Environmental Clearance and stipulated Specific Conditions along with other environmental conditions while considering for accord of Environmental Clearance.

8.0 The Ministry of Environment, Forest and Climate Change has considered the application based on the recommendations of the Expert Appraisal Committee (Industry-I) and hereby decided to grant Environmental Clearance to the above mentioned proposal of M/s Kalyanpur Cement Ltd. for expansion of Cement Plant from 1 MTPA to 1.15 MTPA with captive Power Plant (15 MW) under the provision of EIA Notification dated 14th September, 2006, as amended subject to strict compliance of the following Specific and General conditions:

A. SPECIFIC CONDITION:

i. The project proponent shall install 24x7 air monitoring devices to monitor air emission, as provided by CPCB and submit report to Ministry and its Regional Office. Emission for particulate matter should be restricted to 30 mg/m^3.

ii. The Standards issued by the Ministry vide G.S.R. No. 612 (E) dated 25th August, 2014 regarding cement plants with respect to particulate matter, SO2 and NOx shall be followed.

iii. All the pollution control devices/equipment in the grinding unit shall be interlocked so that in the event of the pollution control devices/systems not working, the respective unit(s) shut down automatically.

iv. Secondary fugitive emissions shall be controlled and shall be within the prescribed limits and regularly monitored. Guidelines / Code of Practice issued by the CPCB in this regard shall be followed.

v. Efforts shall be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agricultural land. All the raw materials including fly ash should be transported in the closed containers only and shall not be overloaded. The company shall have separate truck parking area. Vehicular emissions should be regularly monitored.

vi. All the treated wastewater shall be recycled and reused in the process and/or for dust suppression and green belt development and other plant related activities etc. No process wastewater shall be discharged outside the factory premises and 'zero' discharge should be adopted.

vii. Storage of material shall be in covered area.

viii. Rain water harvesting plan shall be prepared and shall supplement the water requirements of the project.

ix. Regular monitoring of influent and effluent surface, sub-surface and ground water should be ensured and treated wastewater should meet the norms prescribed by the State Pollution Control Board or described under the Environment (Protection) Act, 1986 whichever are more stringent

x. Green belt shall be developed in at least 33 % area in and around the cement plant as per the CPCB guidelines to mitigate the effects of air emissions in consultation with local DFO.

xi. All the commitments made to the public during the Public Hearing / Public Consultation meeting shall be satisfactorily implemented and a separate budget for implementing the same shall be allocated and information submitted to the Ministry's Regional Office.

xii. At least 5 % of the total cost of the project shall be earmarked towards the Enterprise Social Commitment based on Public Hearing Issues and item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office at Chandigarh. The proponent shall prepare a detailed ESC Plan for every next 5 years for the existing-cum-expansion project, which includes village-wise, sector-wise (Health, Education, Sanitation, Health, Skill Development and infrastructure requirements such as strengthening of village roads, avenue plantation, etc) activities in consultation with the local communities and administration. The ESC Plan will include the amount of 2% retain annual profits as provided for in Clause 135 of the Companies Act, 2013 which provides for 2% of the average net profits of previous 3 years towards ESC activities for life of the project. A separate budget head shall be

created and the annual capital and revenue expenditure on various activities of the Plan shall be submitted as part of the Compliance Report to RO, Chandigarh. The details of the ESC Plan shall also be uploaded on the company website and shall also be provided in the Annual Report of the company.

xiii. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, Safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.

xiv. The proposed cement plant kiln will provid for a flexible fuel feeding system to enable use of hazardous wastes as per guidelines of CPCB.

B. GENERAL CONDITIONS:

i. The project authorities must strictly adhere to the stipulations made by the Bihar Pollution Control Board and the State Government.

ii. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEFCC).

iii. At least four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of PM_{10}, $PM_{2.5}$, SO_2 and NO_X are anticipated in consultation with the SPCB. Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its Regional Office at Ranchi and the SPCB/CPCB once in six months.

iv. Industrial wastewater shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended form time to time. The treated wastewater shall be utilized for plantation purpose.

v. The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (nighttime).

vi. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.

vii. The company shall develop rain water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.

viii. The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report. Further, the

company must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.

ix. Requisite funds shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change (MoEFCC) as well as the State Government. An implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Regional Office of the Ministry at Ranchi. The funds so provided shall not be diverted for any other purpose.

x. A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/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 web site of the company by the proponent.

xi. The project proponent shall upload the status of compliance of the stipulated environment 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 MOEFCC at Ranchi. The respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM_{10}, SO_2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.

xii. The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MOEFCC, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Ranchi / CPCB / SPCB shall monitor the stipulated conditions.

xiii. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State 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 conditions and shall also be sent to the respective Regional Office of the MOEFCC at Ranchi by e-mail.

xiv. The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB and may also be seen at Website of the Ministry of Environment, Forests and Climate Change (MoEFCC) at http:/envfor.nic.in. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same should be forwarded to the Regional office at Ranchi.

xv. Project authorities 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 and the date of commencing the land development work.

9.0 The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.

10.0 The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.

11.0 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 Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and the Public (Insurance) Liability Act, 1991 along with their amendments and rules.

(Dr. Satish C. Garkoti)
Scientist 'F'

Copy to:-

1. The Secretary, Department of Environment, Government of Bihar.
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi, 110 032.
3. The Chairman, Bihar State Pollution Control Board, Beltron Bhawan, Shastri Nagar Jawahar Lal Nehru Marg, Patna, Bihar-800023.
4. The Additional Principal Chief Conservator of Forests (C) Ministry of Environment, Forest and Climate Change, Regional Office (ECZ), Bungalow No. A-2, Shyamali Colony, Ranchi – 834002.
5. Guard File / Record File/Monitoring file.

(Dr. Satish C. Garkoti)
Scientist 'F'

ANNEXURE-2

BIHAR STATE POLLUTION CONTROL BOARD

PARIVESH BHAWAN, PLOT NO. NS-B/2, PALIPUTRA INDUSTRIAL AREA,
PATLIPUTRA, Patna – 800 010

Ref. No.:-

Patna, dated:-

'CONSENT-TO-ESTABLISH' (NOC)

UNDER SECTIONS 25/26 OF THE WATER (PREVENATION AND CONTROL OF POLLUTION) ACT, 1974 AND 21 OF THE AIR (PREVENTION AND CONTROL OF POLLUTION) ACT, 1981

REFERENCE:

(i) Name and address of the Proponent: Sri Subbaraidu Ayyagari, Unit Head and Authorized Signatory, M/s Dalmia DSP Ltd., At & P.O.-Banjari, Dist-Rohtas; and

(ii) Online application No. 5677302 dated 22.01.2022 of the proponent to increase capacity of Clinker (0.70 Million TPA to 1.1 Million TPA) and Cement (1.15 Million TPA to 1.70 Million TPA) by process optimization/up-gradation along with installation of Waste Heat Recovery System (4.58 MW) in the existing cement plant: M/s Dalmia DSP Ltd., At & P.O.-Banjari, Dist-Rohtas on the basis of 'No Increase of Pollution Load' in light of the notification dated 02.03.2021 of MoEFCC, New Delhi.

AFTER CONSIDERING:

(i) The facts stated in their application;
(ii) Bihar State Pollution Control Board's Notification No. 26 dated 08.11.2003;
(iii) Provisions of the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981; and
(iv) Copy of Environmental Clearance (EC) obtained from authority of MoEFCC for capacity expansion of cement plant from 1.0 Million TPA to 1.15 Million TPA with captive power plant (15 MW) vide ref. no.J-11011/366/20I11-IA-II(I) dated09.03,2016, Notification of MoEFCC, New Delhi dated 02.03.2021 regarding exemption from EC on the basis of 'No Increase in Pollution Load', minutes of the meeting dated 31.12.2021 of expert committee constituted vide Board's order no.-166 dated 27.12.2021 and other related document submitted by the applicant.

NOC IN FAVOUR OF THE PROPONENT AT THE SAID SITE IS HEREBY ACCORDED SUBJECT TO THE FOLLOWING CONDITIONS:

(I) The proponent shall obtain 'Consent-to-Operate' under sections 25 & 26 of The Water (Prevention and Control of Pollution) Act, 1974 and Section 21 of The Air (Prevention and Control of Pollution) Act, 1981 prior to commissioning of expansion project of the existing plant from Bihar State Pollution Control Board;

(II) That, the effluent (Domestic or Trade) and emission, if any, shall conform to the standard prescribed under the Rules;

(III) That, they shall comply with the provisions (whichever applicable) of the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of

Pollution) Act, 1981, the Environment (Protection) Act, 1986 and Rules and Notifications issued there under;

(IV) That, they shall maintain 'No Increase in Pollution Load' as proposed and submit comparative study of the generated pollution load both for existing and after execution of proposed project on yearly basis and report shall be submitted accordingly;

(V) That, they shall comply with the conditions as recommended by expert committee constituted which are as under:

a) Restrict clinker production (0.70 Million TPA to 1.1 Million TPA) & Cement (1.15 Million TPA to 1.70 Million TPA).

b) Ensure regular connectivity of OCEMS (24x7) installed with stack attached with boiler;

c) Explore development of more plantations; if it is not accordance with Environmental Clearance (EC) conditions.

d) Ensure install STP of 150 KLD capacity for treatment and disposal of domestic waste water/ sewage.

e) Reduce total fuel & feed stock consumption from 223815 TPA (Pet coke as feedstock: 107815+coal as fuel: 116000) to 185000 TPA (Pet coke as feedstock: 48517+coal as fuel: 33265+ alternative fuel including hazardous waste as co-processing:103218) to reduce CO_2 emission.

f) Maintain emission level (PM, SO_2, NOx and other parameters) in compliance with emission standards notified under the E (P) Rules, 1986 as amended.

g) Ensure regularly monitor of ambient air quality around the plant and compliance of National Ambient Air Quality standards.

h) That, they shall have mechanical sweepers for cleaning of dust inside the premises.

i) Ensure control of fugitive emission by storing the raw material in covered shed and closed silos and transfer of materials by way of closed conveyor belt equipped with Jet pulse bag filters at each transfer point.

(VI) That, they shall comply with and ensure emission/discharge standard as prescribed in schedule-I of the Environment (Protection) Rules, 1986 as amended to date/Notification No.-G.S.R. 497 (E) dated 10.05.2016 issued by the MoEFCC, New Delhi and are as under:

For Emission Control:

Parameter	Standard(mg/Nm^3)
Particulate Matter (PM) [Cement Plant (with co-processing), Standalone Clinker Grinding Plant or Blending Plant.]	30
SO_2	100, 700 and 1000 when pyritic sulphur in the limestone is less than 0.25%, 0.25 to 0.5% and more than 0.5% respectively

NOx	800 for rotary kiln with In Line Caliner (ILC) technology. 1000 for rotary kiln using mixed stream of ILC. Separate Line Calciner (SLC) and suspension pre-heater technology or SLC technology alone or without calciner.
HCL	10 mg/Nm^3
HF	1 mg/Nm^3
TOC	10 mg/Nm^3
Hg and its compounds	0.05 mg/Nm^3
Cd+Tl and their compounds	0.05 mg/Nm^3
Sb+As+Pb+Co+Cr+Cu+Mn+Ni+V and their compounds	0.5 mg/Nm^3
Dioxins and Furans	0.1 ngTEQ/Nm^3
The **height of each stack** including Clinker Grinding Plant, Coal Mill, Raw Mill, Grinding, Packaging Section, etc. shall be of a minimum of 30 metres or, as per the formula $H=14\ (Q)^{0.3}$, whichever is more, where "H" is the height of stack in metres and "Q" is the maximum quantity of SO_2 expected to be emitted in kg/hr through the stack at 100 percent rated capacity of the plant and calculated as per the norms of gaseous emission.	

Service wastewater-(without co-processing)

a) That, all efforts shall be made by the industry for 'Zero Discharge' of service wastewater. In case, the industry prefers of discharge service wastewater, the following norms shall be complied with:

Parameter	Concentration not to exceed, milligram per liter (except pH and temperature)
pH	5.5-9.0
Suspended solids	100
Oil & Grease	10
Temperature	Not more than 5^0C higher than the intake water temperature

Load or Mass based standards

Rotary kiln based plants (Particulate Matter from raw mill, kiln and pre-calciner system put together)	0.125 kg/tone of clinker

b) Storm water shall not be allowed to mix with effluent, treated sewage, scrubber water and/or floor washings.

c) Storm water within battery limits of industry shall be channelized through separate drain (s) as per natural gradient passing through high density polyethylene lined pits (s) each having holding capacity of 10 minutes (hourly average) of rainfall for its catchment area.

(VII) That, covered shed should be provided to wagon tippler (if any) for all raw materials, loading in railway wagon platform/area for finished products and for storage of all raw materials (Whichever applicable);

(VIII) That, necessary air pollution control equipments/facilities shall be provided to cement mill/slag mill/coal mill, at all transfer points, top of silos, packaging unit/line and material transfer conveyor should be closed type from outer sides to control fugitive dust emission;

(IX) That, they shall ensure installation of windscreens at required places to break up the wind flow, wetting of road inside the campus to reduce traffic dust, control of vehicle speed on sight, providing dust collection equipment at all possible points, periodical washing of construction equipment and transport vehicles to prevent fugitive emission from accumulated dust, vehicles should be covered during transportation, limitation of certain activities etc;

(X) That, online continuous emission monitoring of stack emission of cement mill & slag mill etc shall be provided, calibrated periodically, maintained properly and they should be connected to CPCB & BSPCB server for data transfer;

(XI) That, they should ensure good housekeeping including road dust collection, regular mechanical sweeping, water sprinkling etc and maintain a log book in this regard;

(XII) That, massive tree plantation shall be done to improve ecology of the surroundings specially to minimize fugitive dust in the ambient air;

(XIII) That, diesel generating sets (DG Sets), if any; as source of backup power should be provided with an integral acoustic enclosure and the maximum permissible sound pressure level for new D.G. set shall be 75 dB(A) at 1 meter from the enclosure surface. The height of exhaust of DG sets should be as: Exhaust Stack Height formula:- (Ht of Building in meter + 0.2√KVA) m; it should be installed on pucca base with anti vibration pads;

(XIV) That, they shall ensure all possible measures to be implemented to control noise pollution and the ambient noise levels should conform to the standards prescribed under the Noise Pollution (Regulation and Control) Rules, 2000, as amended to date viz. 75 dB(A) during day time and 70 dB (A) during night time;

(XV) That, they shall obtain prior permission from CGWA for installation of bore well and withdrawal of groundwater; if groundwater requirement is ≥ 10 KLD;

(XVI) That, water meter conforming to ISO standards shall be installed at the intel point of water uptake as well as at all necessary points to monitor the daily water consumption. Use of water efficient devices/fixtures and appliance should be promoted;

(XVII) That, they shall submit exclusive layout drainage map of surface run-off water, industrial waste water (if any) and domestic wastewater with indication of their source and discharge points;

(XVIII) That, solid waste shall be managed properly so that no any nuisance is created in nearby area. They should provide adequate and appropriate arrangements to store solid waste (if any) inside their industrial premises in an environmentally sound manner and shall be disposed of properly at designated place and a quarterly report containing quantity of generation, re-used, if any, and disposed, site of disposal etc shall be submitted to the Board;

(XIX) That, the Environmental Statement as prescribed in the E (P) Rules, 1986 [see rule 14] for the each financial year ending the 31st March, shall be submitted by the month of September every year;

(XX) That, they shall comply with the provisions (whichever applicable) of the Solid Waste Management Rules, 2016. Separate wet and dry bins must be provided and segregation of dry waste (in blue bin), wet waste (in green bin) and domestic hazardous waste (in black bin) must be ensure; wet waste must be composted inside the premises and dry & domestic hazardous waste shall be handed over to the local body. Non-biodegradable waste and dry waste like rejected corrugated cardboard; waste paper etc may be handed over to the recyclers registered with Bihar State Pollution Control Board;

(XXI) That, they shall abide by the provisions (whichever applicable) of The Plastic Waste Management Rules, 2016 which are as under:

(XXII) That, no waste shall throw, burn, or burry the solid waste generated, on street, open public space outside his premises or in the drain or water bodies;

(XXIII) That, they shall make provisions for display of data outside main factory gate about quantity and quality of water discharge and air emission along with solid waste generated within the factory premises;

(XXIV) That, notwithstand any thing stated above, the applicant unit shall abide by all the provisions of the environmental laws including policies and guidelines made there under; and

(XXV) That, this CTE (NOC) is granted on basis of undertaking/document up-loaded by the applicant and it is subject to the condition that in the event of any information/documents submitted by the proponent are found false or misleading at any stage, the NOC granted, shall be revoked at proponent's risk and cost and legal action shall be initiated.

NOTE:

1. Bihar State Pollution Control Board reserves the option to revise or add other conditions, if necessary, for protection of Environment in general and for Pollution Control in particular;
2. The present NOC should not be construed as an assurance for the grant of 'Consent-to-Operate' the proposed project but shall be subject to compliance of all the conditions indicated above; and
3. The NOC, granted, shall be valid for a period of one year from the date of issue.

Sd/-
(S. Chandrasekar)
Member Secretary

Memo No.:- 260 **Patna, dated:-** 25-01-2022

Copy forwarded to Sri Subbaraidu Ayyagari, Unit Head and Authorized Signatory, M/s Dalmia DSP Ltd., At & P.O.-Banjari, Dist-Rohtas for favour of information and necessary action.

24/1/22
(S. Chandrasekar)
Member Secretary

ANNEXURE-3

164

BIHAR STATE POLLUTION CONTROL BOARD

PARIVESH BHAWAN, PLOT NO. NS-B/2, PALIPUTRA INDUSTRIAL AREA,
PATLIPUTRA, Patna – 800 010

Ref. No.- 1903. Patna, dated- 27-6-2022

EMISSION CONSENT ORDER

With reference to the online application no.-5930316, dated 27.03.2022 of M/s Dalmia DSP Ltd., At & P.O.-Banjari, Block-Rohtas, Dist-Rohtas for consent under sections 21 of the Air (Prevention & Control of Pollution) Act,1981 for expansion of capacity of the unit, he/they is/are granted consent to operate his/their plant for increased capacity: Clinker- from 0.7 Million Ton/year (MTPA) to 1.1 Million Ton/year (MTPA) and Cement-1.15 MTPA to 1.70 MTPA) at At & P.O.-Banjari, Block-Rohtas, Dist-Rohtas for the period of five years from the date of issue with the following conditions:-

1 That, he/they shall not make any alteration, addition, deletion or modification in the plant without the prior clearance from the Board and shall also abide by the obligations under sections 22,23 and 31A of the Air(Prevention & Control of Pollution) Act, 1981 and further shall extend co-operation to the Board in performing its functions entrusted under sections 24,25 and 26 of the Act ;

2 That, he /they shall comply with the requirements of Rule 14 of the Environment (Protection) Rules, 1986; Rules 4, 5, 7, 9, 10 and 11 of the Hazardous and Other Wastes (Management & Transboundary Movement), Rules 2016; Rules 4, 5, 7, 8, 10, 11, 12, 13, 15, 17 and 18 of the Manufacture, Storage and Import of Hazardous Chemical Rules,1989; and the provisions of the Public Liability Insurance Act, 1991, whichever is applicable;

3 That, he/they shall monitor his/their emission(s) and the ambient air quality from representative point regularly and shall maintain its quality in conformity with Board's standards and shall produce its proof, as and when asked for;

4 That, he/they shall submit application for consent again 30 days before the expiration of the period of consent or within 30 days from the date of receipt of this order, whichever is applicable;

5 That, they shall comply with and ensure emission standard as prescribed in schedule-I of the Environment (Protection) Rules, 1986 as amended to date and as **Notification G.S.R. 497 (E) Dated 10.05.2016 of MoEFCC** which copy is being attached;

6 That, they shall comply with the conditions of CTE issued by the Board on the basis of 'No Increase of Pollution Load' in light of the notification of MoEFCC and vide memo no.-260 dated 25.01.2022. Their compliance report shall be submitted to the Board on half yearly basis;

7 That, all air pollution control facilities (Bag filters/cyclone etc at various points) shall be maintained properly and they shall be operative all the time;

8 That, online continuous emission monitoring of stack emission of cement mill & slag mill shall be calibrated periodically, maintained properly and they should be connected to Bihar State Pollution Control Board (BSPCB) server for data transfer;

9 That, covered shed should be provided to area of tippler (if any) for all raw materials, loading area for finished products and for storage of all raw materials;

10 That, they shall ensure installation of windscreens at required places to break up the wind flow, wetting of road inside the campus to reduce traffic dust, control of vehicle speed on sight, providing dust collection equipment at all possible points, periodical washing of construction equipment and transport vehicles to prevent fugitive emission from accumulated dust, vehicles should be covered during transportation, limitation of certain activities etc;

11 That, they should submit an action plan to further improve the fugitive emission from several points in the plant;

12 That, they should ensure further improvement in housekeeping including road dust collection, regular sweeping, water sprinkling etc and maintain a log book in this regard;

13 That, massive tree plantation shall be done to improve ecology of the surroundings specially to minimize fugitive dust in the ambient air;

14 That, diesel generating sets (DG Sets), if any; as source of backup power should be provided with an integral acoustic enclosure and the maximum permissible sound pressure level for new D.G. set shall be 75 dB(A) at 1 meter from the enclosure surface. The height of exhaust of DG sets should be as: Exhaust Stack Height formula:- (Ht of Building in meter + 0.2√KVA) m; it should be installed on pucca base with anti vibration pads;

15 That, they shall ensure all possible measures to be implemented to control noise pollution and the ambient noise levels should conform to the standards prescribed under the Noise Pollution (Regulation and Control) Rules, 2000, as amended to date viz. 75 dB(A) during day time and 70 dB (A) during night time;

16 That, they shall comply with conditions of EC obtained from the Authority in previous and report shall be submitted accordingly;

17 That, solid waste shall be managed properly so that no any nuisance is created in nearby area. They should provide adequate and appropriate arrangements to store solid waste (if any) inside their industrial premises in an environmentally sound manner and shall be disposed of properly at designated place and a quarterly report containing quantity of generation, re-used, if any and disposed, site of disposal etc shall be submitted to the Board;

18 That, they shall submit Ambient Air Quality (AAQ) report (including noise) quarterly to the Board within consent period and air quality should confirm to the prescribed standard;

19 That, the Environmental Statement as prescribed in the E (P) Rules, 1986 [see rule 14] for the each financial year ending the 31st March, shall be submitted by the month of September every year;

20 That, they shall make provisions for display of data outside main factory gate about quantity and quality of water discharge and air emission along with solid waste generated within the factory premises;

21 That, notwithstand any thing stated above, the applicant unit shall abide by all the provisions of the environmental laws including policies and guidelines made there under; and

(163)

22 This CTO is granted subject to the condition that in the event of any information/documents submitted by the proponent are found false or misleading at any stage, the CTO granted, shall be revoked and legal action shall be initiated.

To
Sri Sunil Kumar Gupta,
Director,
M/s Dalmia DSP Ltd.,
At & P.O.-Banjari,
Dist-Rohtas.

27/6/11

(S. Chandrasekar)
Member-Secretary

MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE

NOTIFICATION

New Delhi, the 10th May, 2016

G.S.R. 497 (E). – In exercise of powers conferred by sections 6 and 25 of the Environment (Protection) Act, 1986 (29 of 1986), the Central Government hereby makes the following rules further to amend the Environment (Protection) Rules, 1986, namely :-

1. Short title and commencement - (1) These rules may be called the Environment (Protection) Third Amendment Rules, 2016.

(2) They shall come into force on the date of their publication in the Official Gazette.

2. In the Environment (Protection) Rules, 1986,-

(a) in schedule I, after serial number 10 and the entries relating thereto, the following serial number and entries shall be inserted, namely:-

"S. No.	Industry	Parameter	Standards		
(1)	(2)	(3)	(4)		
"10A.	Cement Plant with co-processing of wastes	A- Emission Standards			
		Rotary Kiln – with co-processing of Wastes			
			Date of Commissioning	Location	Concentration not to exceed, in mg/Nm^3
			(a)	(b)	(c)
		Particulate Matter (PM)*	on or after the date of notification (25.8.2014)	anywhere in the country	30
			before the date of notification (25.8.2014)	critically polluted area or urban centres with population above 1.0 lakh or within its periphery of 5.0 kilometer radius	30
				other than critically polluted area or urban centres	30
		SO_2*	irrespective of date of commissioning	anywhere in the country	100, 700 and 1000 when pyritic sulphur in the limestone is less than 0.25%, 0.25 to 0.5% and more than 0.5% respectively.
		NOx*	After the date of notification (25.8.2014)	anywhere in the country	(1) 600
			Before the date of notification	anywhere in the country	(2) 800 for rotary kiln with In Line Calciner

			(25.8.2014)		(ILC) technology. (3) 1000 for rotary kiln using mixed stream of ILC, Separate Line Calciner (SLC) and suspension pre-heater technology or SLC technology alone or without calciner.
		HCl		10 mg/Nm^3	
		HF		1 mg/Nm^3	
		TOC		10 mg/Nm^3 **	
		Hg and its compounds		0.05 mg/Nm^3	
		Cd +Tl and their compounds		0.05 mg/Nm^3	
		Sb+As+Pb+Co+Cr+Cu+Mn+Ni+V and their compounds		0.5 mg/Nm^3	
		Dioxins and Furans		0.1 ngTEQ/ Nm^3	
		Note: The abbreviations used in the Table shall mean as under: SO_2- Sulphur dioxide; NO_x - Oxides of Nitrogen; HCl – Hydrogen Chloride; HF – Hydrogen Flouride; TOC - Total Organic Carbon; Hg – Mercury; Cd – Cadmium; Tl – Thallium; Sb – Antimony; As – Arsenic; Pb – Lead; Co – Cobalt; Cr – Chromium; Cu – Copper; Mn – Manganese; Ni – Nickel; and V - Vanadium."; * The concentration values and timeline for implementation in respect of PM, SO_2 and NOx shall be governed in accordance with the provisions under notification published vide GSR No. 612 (E), dated the 25th August, 2014 and amended from time to time **Permitting authority may prescribe separate standards on case to case basis, if Total Organic Carbon (TOC) does not result from the co-processing of waste. (a) The height of each individual stack connected to Kiln, Clinker Cooler, Cement Mill, Coal Mill, Raw Mill, Packaging section, etc. shall be of a minimum of 30 metres or, as per the formula $H = 14\ (Q1)^{0.3}$ and $H = 74\ (Q2)^{0.27}$ whichever is more, where "H" is the height of stack in metres and "Q1" is the maximum quantity of SO_2 expected to be emitted in kg/hr and "Q2" is the maximum quantity of PM expected to be emitted in tonnes/hr through the stack at 100 percent rated capacity of the plant; (b) The monitored values of SO_2, NO_x, HCl, HF, TOC, Metals and Dioxins and Furans at main kiln stack shall be corrected to 10% Oxygen, on dry basis and the norms for SO_2, NO_x, HCl, HF, TOC, Metals and Dioxins and Furans shall be applicable to main kiln stack and the norms for Particulate Matter (PM) shall be applicable to all the stacks in the plant. PM, SO_2, NO_x shall be monitored continuously. HCl, HF, TOC, Metals and Dioxins and Furans shall be monitored once in a year; (c) Scrubber meant for scrubbing emissions shall not be used as quencher and plants having separate stack for gaseous emission for the scrubbing unit, the height of this stack shall be at least equal to the main stack.			
		B- Service waste water (with co-processing of wastes) All efforts shall be made by the industry for 'zero discharge' of service wastewater and in case, the industry prefers to discharge service wastewater, the following norms shall be complied with:			
				Concentration not to exceed, milligram per litre (except pH and temperature)	
		pH		5.5 to 9.0	
		Suspended Solids		100	

		Oil and Grease	10
		Temperature	not more than 5°C higher than the intake water temperature
		C- Storm water (I) Storm-water shall not be allowed to mix with effluent, treated sewage, scrubber water and or or floor washings. (II) Storm-water within battery limits of industry shall be channelised through separate drain(s).".	

(b) in Schedule VI, under 'Part-D' relating to General Emission Standards, in item III relating to Load or Mass based standards, after serial number 10 and the entries relating thereto, the following serial number and entries shall be inserted, namely:-

(1)	(2)	(3)	(4)
"10A	Cement Plants (with co-processing)	Rotary kiln based plants (Particulate Matter from raw mill, kiln and pre-calciner system put together)	0.125 kg/ tonne of clinker.".

[F. No.- Q-15017/30/2007-CPW]
Dr. RASHID HASAN, Advisor

Note :- The principal rules were published in the Gazette of India, Extraordinary, Part II, Section 3,Sub-section (i), *vide* number S.O. 844 (E), dated the 19th November, 1986 and subsequently amended *vide* the following notifications, namely:-

S.O. 433 (E), dated the 18th April 1987; G.S.R. 176(E), dated the 2nd April, 1996; G.S.R. 97 (E), dated the 18th February, 2009; G.S.R. 149 (E), dated the 4th March , 2009; G.S.R. 543(E), dated the 22nd July,2009; G.S.R. 739 (E), dated the 9th September, 2010; G.S.R. 809(E), dated, the 4th October, 2010, G.S.R. 215 (E), dated the 15th March, 2011; G.S.R. 221(E), dated the 18th March, 2011; G.S.R. 354 (E), dated the 2nd May, 2011; G.S.R. 424 (E), dated the 1st June, 2011; G.S.R. 446 (E), dated the 13th June, 2011; G.S.R. 152 (E), dated the 16th March, 2012; G.S.R. 266(E), dated the 30th March, 2012; and G.S.R. 277 (E), dated the 31st March, 2012; and G.S.R. 820(E), dated the 9th November, 2012; G.S.R. 176 (E), dated the 18th March, 2013; G.S.R. 535(E), dated the 7th August, 2013; G.S.R. 771(E), dated the 11th December, 2013; G.S.R. 2(E), dated the 2nd January, 2014; G.S.R. 229 (E), dated the 28th March, 2014; G.S.R. 232(E), dated the 31st March, 2014; G.S.R. 325(E), dated the 07th May, 2014, G.S.R. 612, (E), dated the 25th August 2014; G.S.R. 789(E), dated the 11th November 2014; S.O. 3305(E), dated the 7th December, 2015; S.O.4(E), dated the 1st January 2016; G.S.R. 35(E), dated the 14th January 2016 and lastly amended vide notification G.S.R. 281 (E), dated the 7th March, 2016.

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and Published by the Controller of Publications, Delhi-110054

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BIHAR STATE POLLUTION CONTROL BOARD

PARIVESH BHAWAN, PLOT NO. NS-B/2, PALIPUTRA INDUSTRIAL AREA
PATLIPUTRA, Patna – 800 010

Ref. No.: -1904 Patna Dated:- 27.6.2022

DISCHARGE CONSENT ORDER

With reference to the online application no.-5930316, dated 27.03.2022 of M/s Dalmia DSP Ltd., At & P.O.-Banjari, Block-Rohtas, Dist-Rohtas for consent under sections 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 for expansion of capacity of the unit, he/they is/are granted consent to bring into use his/their new/altered/existing outlet(s) for discharge of trade effluent and/or domestic sewage for increased capacity: Clinker- from 0.7 Million Ton/year (MTPA) to 1.1 Million Ton/year (MTPA) and Cement- 1.15 MTPA to 1.70 MTPA) At & P.O.-Banjari, Block-Rohtas, Dist-Rohtas for the period of five years from the date of issue with the following conditions:-

1 That, he/they shall not make any alteration, addition, deletion or modification in the plant without the prior clearance from the Board and shall also abide by the obligations under sections 24, 31 and 33A of the Water (Prevention & Control of Pollution) Act,1974 and further shall extend co-operation to the Board in performing its functions entrusted under sections 20, 21, 23, 30 and 32 of the Act;

2 That, he /they shall comply with the requirements of Rule 14 of the Environment (Protection) Rules, 1986; provisions (whichever applicable) of the Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016, Rules 4, 5, 7, 8, 10, 11, 12, 13, 15 and 18 of the Manufacture, Storage and Import of Hazardous Chemical Rules,1989; and the provisions of the Public Liability Insurance Act, 1991 (whichever is applicable);

3 That, he/they shall monitor his/their effluent(s) regularly and maintain its quality in conformity with Board's standards and shall produce its proof, as and when asked for;

4 That, he/they shall submit application for consent again 30 days before the expiration of the period of consent or within 30 days from the date of receipt of this order, whichever is applicable;

5 That, they shall comply with and ensure discharge standard as prescribed in schedule-I of the Environment (Protection) Rules, 1986 as amended to date and as **Notification G.S.R. 497 (E) Dated 10.05.2016 of MoEFCC** which copy is being attached;

6 That, they shall comply with the conditions of CTE issued by the Board on the basis of 'No Increase of Pollution Load' in light of the notification of MoEFCC and vide memo no.-260 dated 25.01.2022. Their compliance report shall be submitted to the Board on half yearly basis;

7 That, they shall comply with conditions of EC obtained from the Authority in previous and report shall be submitted accordingly;

8 That, they shall submit analysis report of discharge service wastewater (if any) in compliance of the above discharge standard;

9 That, they shall obtain prior permission from CGWA for installation of bore well and extraction of groundwater;

10 That, they shall ensure installation of water meter at all points of water consumption to monitor water consumption directly;

11 That, they shall submit exclusive layout drainage map of surface run-off water/service wastewater, industrial waste water (if any) and domestic wastewater with indication of their source and discharge points;

12 That, they shall comply with conditions of EC obtained from SEIAA, Bihar and CTE obtained from BSPCB;

13 That, the Environmental Statement as prescribed in the E (P) Rules, 1986 [see rule 14] for the each financial year ending the 31st March, shall be submitted by the month of September every year;

14 That, they shall make provisions for display of data outside main factory gate about quantity and quality of water discharge and air emission along with solid waste generated within the factory premises;

15 That, notwithstand any thing stated above, the applicant unit shall abide by all the provisions of the environmental laws including policies and guidelines made there under;

16 This CTO is granted subject to the condition that in the event of any information/documents submitted by the proponent are found false or misleading at any stage, the CTO granted, shall be revoked and legal action shall be initiated.

To
Sri Sunil Kumar Gupta,
Director,
M/s Dalmia DSP Ltd.,
At & P.O.-Banjari,
Dist-Rohtas.

27/6/11

(S. Chandrasekar)
Member-Secretary

ANNEXURE-4

I Ashutosh Kumar Tiwary
hereby solemnly affirm on oath
that the contents are true and
signed by me which is identified
by Ravi Shankar Lal Verma

11/01/2024

WELFARE STAMP
बिहार BIHAR
पच्चीस रुपये Rs. Twenty Five

BRECR070C2401000124 76

BHANU NANDAN SINGH NOTARY Reg. No. A Not. 6/11-7295/12 (Rohtas) DEHRI (Rohtas) Bihar

NO OBJECTION CERTIFICATE

We would like to inform you that name of the company has been changed from M/s Kalyanpur Cement Limited to M/s Dalmia Cement (Bharat) Limited and certificate of incorporation & Board Resolution is attached herewith.

Thanking you,

For Dalmia Cement (Bharat) Limited

BHANU NANDAN SINGH NOTARY Reg. No. A Not. 6/11-7295/12 (Rohtas) Bihar

(Ashutosh Kumar Tiwary)

Authorised signatory

I identify the signature/L.T.I. of
the deponent witness executants
who has/have put in my presence
Ravi Shankar Lal Verma
E.No-BR/1073/2021
11/01/2024 Advocate

BIHAR COURT FEE
₹10
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11 Jan 2024

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11 Jan 2024

सत्यमेव जयते

GOVERNMENT OF INDIA

MINISTRY OF CORPORATE AFFAIRS

Registrar of companies, Chennai

Block No. 6, B' Wing, 2nd Floor Shastri Bhawan 26, Chennai, Tamil Nadu, India, 600034

Corporate Identity Number: U65191TN1996PLC035963

SECTION 13(1) OF THE COMPANIES ACT, 2013

Certificate of Registration of the Special Resolution Confirming Alteration of Object Clause(s)

The shareholders of M/s DALMIA CEMENT (BHARAT) LIMITED having passed Special Resolution in the Annual/Extra Ordinary General Meeting held on 13-06-2016 altered the provisions of its Memorandum of Association with respect to its objects and complied with the Section 13(1) of the Companies Act, 2013.

I hereby certify that the said Special Resolution together with the copy of the Memorandum of Association as altered has this day been registered.

Given under my hand at Chennai this Eighth day of July Two thousand sixteen.

DS Ministry of Corporate Affairs - Govt of India; 15

Vineet Rai

Authorizing Officer - RoC

Registrar of Companies

RoC - Chennai

Mailing Address as per record available in Registrar of Companies office:

DALMIA CEMENT (BHARAT) LIMITED

DALMIAPURAM DISTTIRUCHIRAPPALLI, TAMIL NADU, TAMIL NADU, Tamil Nadu, India, 621651

RESOLUTION PASSED BY THE OPERATIONS COMMITTEE OF THE COMPANY IN THE MEETING HELD ON FEBRUARY 10, 2023 AT HANSALAYA BUILDING, BARAKHAMBA ROAD, NEW DELHI-110001

*"**RESOLVED THAT** Mr. Ashutosh Kumar Tiwary, Unit head, Rohtas Cement Works be and is hereby authorized to execute all documents as may be necessary, expedient or incidental on behalf of the Company for day to day functioning of the Rohtas Cement Works including but not limited to executing or certifying necessary letters, forms, memoranda of understanding, lease/rent agreements/service agreements, shipping documents, undertakings, affidavits, indemnity bonds and declarations; appear or make applications before Central/State Governments /Authorities/ Bodies/ Departments in connection with matters relating to GST and other taxes, import and export/ port customs, mines and minerals, environment and forest, pollution control, railways, electricity regulatory commissions, incentives from Government Authorities, Reserve Bank of India; to represent and appear on behalf of the Company before various government authorities and other third parties and to do all acts, deeds and things as may be required and related thereto.*

***RESOLVED FURTHER THAT** any Director of the Company and the Company Secretary be and are hereby severally authorized to affix the common seal (which for the purpose may be removed from the Registered Office) of the Company on the documents, wherever required.*

***RESOLVED FURTHER THAT** Mr. Ashutosh Kumar Tiwary shall act under this resolution till he is in the employment of the Company and/or its holding/subsidiary Companies unless revoked earlier.*

RESOLVED FURTHER THAT *any Director of the Company and the Company Secretary be and are hereby severally authorised to issue a certified copy of this resolution, wherever required."*

//Certified to Be True Copy//

For Dalmia Cement (Bharat) Limited

(Manisha Bansal)
Company Secretary

ANNEXURE-5

"KALYANPUR"
Cements Limited
Maurya Centre, 1, Fraser Road
P. 0. Box 89, Patna - 800 001, Bihar (INDIA)
Tel. : (0612) 2221551 / 2223336 / 2232481/
2233501 / 3092000
Fax : (0612) 2332884
CINL 26942WB1937PLC009086
Email : kcl_mktg@kalyanpur.com
website :www.kalyanpur.com

Ref : CD/06/01-396
02.02.2018

BSE Limited
Corporate Relationship Department
25th Floor, Phiroz Jeejeebhoy Towers,
Dalal Street,
Mumbai 400 001

The Secretary,
The Calcutta Stock Exchange Ltd.
7, Lyons Range,
Kolkata - 700 001

Dear Sirs,

Sub : Approval of the Resolution Plan u/s 31(1) of the Insolvency & Bankruptcy Code, 2016

Kindly refer to our letter no.CD/06/01-389 dt. 24.01.2018 vide which we had intimated the progress in Corporate Insolvency Resolution Process of our Company. We had mentioned in the above mentioned letter that the Resolution Plan was approved by the Committee of Creditors (COC) in its meeting held on 22.01.2018 and the same had been filed with National Company Law Tribunal (NCLT), Kolkata Bench on 24.01.2018. The Resolution Plan related matter was heard by the adjudicating authority, NCLT, Kolkata Bench in the hearing held on 29.01.2018 and the order was reserved.

The NCLT, Kolkata Bench approved the Resolution Plan under the provisions of section 31(1) of the Insolvency and Bankruptcy Code, 2016. The said order has been uploaded on the website of NCLT today itself and the same is enclosed herewith.

The above may kindly be taken on record.

Thanking you,

Yours faithfully,
For KALYANPUR CEMENTS LIMITED

(P. K. Chaubey)
C.F.O. & Company Secretary.

IN THE NATIONAL COMPANY LAW TRIBUNAL
KOLKATA BENCH
KOLKATA

Before **Shri Jinan K.R., Hon'ble Member (J)**

Company Petition (IB) No.168/KB/2017

In the Matter of:

Section 30(6) read with section 31(1) of the Insolvency & Bankruptcy Code, 2016 read with Regulation 39(4) of the Insolvency & Bankruptcy Board of India (Insolvency Resolution Process for Corporate Persons) Regulations, 2016;

-And-

In the Matter of:

Naresh Kumar & Company Pvt. Ltd., a company incorporated under the Companies Act, 1956, having its Registered Office at 5th floor, 9-B, Woods Street, Kolkata- 700 016;

... **Applicant/ Operational Creditor**

-Versus-

In the Matter of:

Kalyanpur Cements Limited, a company incorporated under the Companies Act, 1956, having its Registered Office at 2&3, Dr. Rajendra Prasad Sarani (earlier known as 2 & 3 Clive Row, Kolkata- 700 001, West Bengal

... **Corporate Debtor**

Counsels appeared:

1. Mr. Surendra Kumar, Advocate for the K.C.L
2. Mr. Divyesh Desai – Resolution Professional
3. Mr. Sanjay Chatterjee, Advocate of I.P.
4. Mr. Arun Gupta, FCA – R.P., D. Desai
5. Mr. Shaunak Mitra, Advocate for the Corporate Debtor

Sd

Date of Pronouncing the Order: 31.01.2018

ORDER

This is a case in which Corporate Insolvency Resolution Process (in short ("CIRP") has been successfully completed by the Resolution Professional, Shri Divyesh N. Desai. The Resolution Professional has got six resolution plans from various resolution applicants including the resolution plan prepared and submitted by Dalmia Cements (Bharat) Ltd. a well -known promoter who is the fourth largest player in the Indian Cement Industry. After discussions of all resolution plans, CoC shortlisted two resolution plans inclusive of the plan submitted by the Dalmia Cements (Bharat) Ltd. According to the Ld. Resolution Professional, both the resolution plans were put to vote and the plan submitted by the Dalmia Cement (Bharat) Ltd. was unanimously approved by the CoC in the CoC meeting held on 22nd January, 2018. Upon getting approval of the plan, the Resolution Professional submitted the Plan along with progress report before this Adjudicating Authority on 29th January, 2018 for approval. He further submits that the plan meets all the requirements of the I & B, Code and the Regulations and has been approved by the Committee in accordance with section 30(4) of I&B, Code.

Vide Order dated 1st May, 2017, this Adjudicating Authority admitted the application for initiation of CIRP filed by the Operational Creditor (Naresh Kumar & Company Pvt. Ltd.) in respect of Corporate Debtor Kalyanpur Cements Ltd. and appointed Mr. Divyesh N. Desai as the Resolution Professional.

On a careful scrutiny of the progress report as well as the Resolution Plan, I am satisfied that the plan submitted by the Resolution Professional

Sd

meets all the requirements of the Code and the Regulations. As per section 31(1) of the Code, the Adjudicating Authority, if satisfied that the Resolution Plan as approved by the Committee of Creditors under sub-section (4) of section 30 meets the requirements as referred to in sub-section (2) of section 30 the Adjudicating Authority has no other go other than to pass an order approving the Resolution Plan.

The 10th CoC meeting was seen convened on 22nd January, 2018. There was hundred percentage of quorum for the participation of the members in the said meeting convened at the instance of the Resolution Professional. The meeting has been held after due service of notice. Voting share of CoC recorded in the progress report is hundred percentage. It is understood that out of six Resolution Plans, the CoC shortlisted two Resolution Plans and after due deliberations and discussions, both the Resolution Plans were put to vote and CoC finally approved the Resolution Plan of Dalmia Cements (Bharat) Ltd. It is that Resolution Plan came up for consideration for the approval of this Adjudicating Authority. The Resolution Plan of the Resolution Applicant submitted to the CoC being approved by the CoC with voting share as laid down under sub-section (4) of section 30 and since nobody came forward challenging the process initiated by the Resolution Professional in examining the resolution plans submitted before him for the consideration of the CoC as provided under sub-section (2) of section 30 the plan deserves approval as per section 31(1) of the Code.

The Ld. Counsel for the Resolution Professional also submits that the Resolution Plan approved by the CoC conforms all the requirements of sub-section (2) of section 30 of the Code. On a reference to the Resolution Plan, I am also satisfied that the plan submitted by the resolution applicant fulfilled all the requirements (a) to (f) of sub section 2 of section 30 (1) of the code.

Sd

The Ld. Resolution Professional submitted the Resolution Plan approved by the Committee of Creditors with the certification as provided under Regulation 39(4)(a) that the contents of the Resolution Plan meet all the requirements of the Code and the Regulations. The plan provides Corporate Debtor with a financially viable and sustainable capital structure and comprehensively deals with all stakeholders claims. It provides financial plan for settlement of IRP Costs in terms of Section 30(2) (a) of the Code and Regulation 38 (1) (a) of the CIRP Regulations including settlement of all the admitted claims by the Resolution Professional. The plan provides a well-planned provision in order to operate the Corporate Debtor as a going concern safeguarding priority in payment of workmen and employees dues. It also provides provisions for repayment of debts of operational creditors in the manner specified in the plan and provisions for the management of the affairs of the Corporate Debtor. The Resolution Plan in the instant case is also not challenged by any other applicants or any of the parties and is, therefore, liable to be approved upon the following among directions.

ORDER

The Resolution Plan, which is approved by the CoC with a voting share of hundred percentage is hereby approved under provisions of section 31(1) of the Insolvency & Bankruptcy Code, 2016, which will be binding on the Corporate Debtor, its employees, members, creditors, coordinators and other stakeholders involved in the Resolution Plan.

2. The revival plan of the company in accordance with approved Resolution Plan shall come into force with immediate effect.

3. The moratorium order passed under Section 14 shall cease to have effect.

Sd

4. The Resolution Professional shall forward all records relating to the conduct of the Corporate Insolvency Resolution Process and the Resolution Plan to the Insolvency and Bankruptcy Board of India to be recorded on its database.

Before parting with, it appears to me that I have to endorse my appreciation to the work rendered by the Resolution Professional, Shri Divyesh N. Desai for seeing that the Resolution Plan is approved by the CoC so as to give a rebirth to the dying company.

Certified copy of the order may be issued, if applied for, upon compliance with all requisite formalities.

Sd

(Jinan K.R.)
Member (J)

Signed on this, the 31st day of January, 2018

ANNEXURE-6

सत्यमेव जयते

GOVERNMENT OF INDIA
MINISTRY OF CORPORATE AFFAIRS

Office of the Registrar of Companies

Nizam Palace, 2nd MSO Building 2nd Floor, Kolkata, West Bengal, India, 700020

Certificate of Incorporation pursuant to change of name

[Pursuant to rule 29 of the Companies (Incorporation) Rules, 2014]

Corporate Identification Number (CIN): L26942WB1937PLC009086

I hereby certify that the name of the company has been changed from KALYANPUR CEMENTS LTD to DALMIA DSP LIMITED with effect from the date of this certificate and that the company is limited by shares.

Company was originally incorporated with the name Kalyanpur Lime and Cement Works Limited.

Given under my hand at Kolkata this Twenty third day of August two thousand eighteen.

DS MINISTRY OF CORPORATE AFFAIRS 04

K G JOSEPH JACKSON

Registrar of Companies

RoC - Kolkata

Mailing Address as per record available in Registrar of Companies office:

DALMIA DSP LIMITED

2 & 3 DR RAJENDRA PRASAD SARANI, (EARLIER KNOWN AS 2 & 3 CLIVE ROW, KOLKATA, West Bengal, India, 700001

Dalmia
Bharat Cement

newthink! cement! sugar! refractories! power!

To
The Registrar of Companies
Nizam Palace, 2nd MSO Building
2nd Floor, 234/4, A.J.C.B. Road
Kolkata – 700020

19.03.2019

Re: Change in the CIN no. of Dalmia DSP Limited (CIN: L26942WB1937PLC009086) from Listed to Unlisted

This is to bring to your notice that the listing status of the Company Dalmia DSP Limited (Formerly Kalyanpur Cements Limited) has been changed from Listed to Unlisted pursuant to its delisting from BSE and CSE (Calcutta Stock Exchange) delisting notice no. 20180712-8 dated July 12, 2018 and CSE/FD/14500/2019 dated January 30, 2019 are enclosed as **Annexure 1**.

You are hence requested to correct the status of the Company from listed to unlisted and change the CIN from **"L26942WB1937PLC009086" to "U26942WB1937PLC009086".**

Thanking you

For Dalmia DSP Limited
(Formerly Kalyanpur Cements Limited)

DALMIA DSP LIMITED NEW DELHI

Aashima Khanna
Company Secretary
Membership No.: A34517

Encl: Delisting notice of BSE and CSE

ANNEXURE-7

IN THE NATIONAL COMPANY LAW TRIBUNAL

KOLKATA BENCH-I

KOLKATA

CP(CAA) No.179/KB/2021

Connected With

CA (CAA) No.131/KB/2021

In the matter of the Companies Act, 2013 - section 230(6) read with section 232(3).

And

In the Matter of:

Dalmia DSP Limited, a company incorporated under the Companies Act, 1913, and being a company within the meaning of the Companies Act, 2013, having Corporate Identification Number U26942WB1937PLC009086 and its registered office at Merlin Acropolis, 16th Floor, Rajdanga Main Road Premises No. 1858/1, Kasba, Kolkata 700 107.

. . . . . Petitioner/Transferor Company

Dalmia Cement (Bharat) Limited, a company incorporated under the Companies Act, 1956, and being a company within the meaning of the Companies Act, 2013, having Corporate Identification Number U65191TN1996PLC035963 and its registered office at Dalmiapuam, Dist. Tiruchirapalli, Tamil Nadu-621651.

……Holding /Transferee Company

Date of Hearing: 28/01/2022

Date of pronouncing the order: 15/02/2022

Coram:

Shri Rajasekhar V K : **Member (Judicial)**
Shri Balraj Joshi : **Member (Technical)**

Appearances (via video Conferencing):

Mr D N Sharma, Advocate

1. Mr Aniket Agarwal, Advocate] **For the Petitioner**
2. Ms Rusha Mitra, Advocate

1. Shri Sanjay Sardar] **Dy.Director, Representing Regional Director, Eastern Region]**

ORDER

1. This Court convened through video conferencing.

2. The instant petition has been filed under section 230(6) read with section 232(3) of the Companies Act, 2013 ("**Act**") for sanction of the Scheme of Amalgamation of **Dalmia DSP Limited**, being the Petitioner abovenamed ("**Transferor Company**" or "**Petitioner**") with its holding company, namely **Dalmia Cement (Bharat) Limited** ("**Transferee Company**" or "**Holding Company**") whereby and whereunder the Transferor Company is proposed to be amalgamated with the Transferee Company from the Appointed Date, *viz* close of business hours on 31st March, 2020 in the manner and on the terms and conditions stated in the said Scheme of Amalgamation ("**Scheme**"). The registered office of the Transferee Company is situated at **Chennai** within the jurisdiction of **National Company Law Tribunal, Chennai Bench.**

3. The Petition herein has now come up for final hearing. Counsel for the Petitioner submits as follows:-

(a) The Scheme was approved unanimously by the respective Board of Directors of the Transferor Company and the Transferee Company at their meetings held on 23rd March, 2021 respectively.

(b) The Scheme is expected to enable better realisation of potential of the businesses and yield beneficial results and enhanced value creation for the Transferor Company and the Transferee Company and their stakeholders. The Scheme is proposed with a view, *inter alia*, to achieve the following benefits:

i. the consolidation of business would lead to synergies in operational process and logistics alignment, creating better synergy, better

utilisation of human resources and further development and growth of business via a single entity, the Transferee Company;

ii. the single entity, *i.e.,* the Transferee Company would have increased capability for offering products and services by virtue of its enhanced resource base and deeper client relationship, resulting in better business potential and prospects for the merged entity;

iii. the proposed Scheme would help the Transferee Company in sharpening its competitiveness and development of long term internal and core competencies through cost savings and benefit of economies of scale unlocked to the Transferee Company;

iv. the proposed Scheme will augment the manufacturing footprint and capabilities of the Transferee Company, by increasing the scale of manufacturing operations, thereby helping in rationalising the number of vendors, aggregating the purchases and managing the supply chain more effectively and efficiently;

v. the proposed Scheme would result in simplification of group structure under common management by consolidating the business of wholly owned subsidiary of the Transferee Company into a single entity,*i.e*., the Transferee Company, which would lead to elimination of duplicative communication and coordination efforts across multiple entities;

vi. the consolidation of business would lead to better, efficient and economical cost management, cost savings, pooling of resources, optimum utilisation of resources, rationalisation of administrative expenses/services;

vii. thus, this Scheme, as envisaged, is in the interest of the shareholders, creditors, employees, and other stakeholders of each of the Companies by pursuing a focused business approach under the Transferee Company, thereby resulting in overall maximization of value creation of all the stakeholders involved.

(c) Chaturvedi & Shah LLP and NSBP & Co, Chartered Accountants, the joint Statutory Auditors of the Transferee Company have by their certificate dated 23rd March, 2021 confirmed that the accounting treatment in the Scheme is in conformity with the accounting standards prescribed under section 133 of the Companies Act, 2013.

(d) No proceedings are pending under sections 210 to 227 of the Companies Act, 2013 against the Petitioner.

(e) By an order dated 3rd August, 2021 made in **Company Application (CAA) No.131/KB/2021**, this Tribunal made the following directions with regard to meetings of shareholders and creditors under section 230(1) read with section 232(1) of the Act:-

i. Meeting dispensed: Meeting of the Equity Shareholders of the Transferor Company for considering the Scheme was dispensed with in view of in view of all such shareholders having given their consent to the Scheme by way of affidavits.

ii. Meetings directed to be held: Separate meetings of the Secured and Unsecured Creditors of the Transferor Company for considering the Scheme were directed to be held on 10th September, 2021.

(f) The said meetings were duly held physically on **10th September, 2021** under the chairmanship of **Mr. Sunil Kumar Dutta** at the registered office of the Transferor Company at Merlin Acropolis, 16th Floor, Rajdanga Main Road Premises No. 1858/1, Kasba, Kolkata 700 107. The said meetings approved the Scheme unanimously.

(g) By the said order dated 3rd August, 2021, notices under section 230(5) of the Act were also directed to be served on the Statutory/ Sectoral regulatory Authorities. The Petitioner has duly sent the said notices on 13th August, 2021 and filed an affidavit of service proving the same.

(h) Consequently, the Petitioner presented the instant petition for sanction of the Scheme. By an order dated 25th November, 2021, the instant petition was admitted by this Tribunal and fixed for hearing on 5th

January, 2022 upon issuance of further notices to the Statutory / Sectoral Authorities and advertisement of date of hearing. In compliance with the said order dated 25th November, 2021, the Petitioner has duly sent such notices to (i) the Regional Director, Eastern Region, Ministry of Corporate Affairs, Kolkata; (ii) Registrar of Companies, West Bengal; (iii) Income Tax Authorities having jurisdiction over the Petitioner; and (iv) the Official Liquidator, High Court, Calcutta on 2nd December, 2021. The Petitioner has also published such advertisements of the date of hearing of the petition in the **"Financial Express"** and **"Aajkal"** in their respective issues dated 21st December, 2021. An affidavit of compliance in this regard has also been filed by the Petitioner on 3rd January, 2022.

(i) All statutory formalities requisite for obtaining sanction of the Scheme have been duly complied with by the Petitioner. The Scheme has been made bona fide and is in the interest of all concerned.

(j) The registered office of the Transferee Company, being situated at Chennai, the Transferee Company has also filed a petition for sanction of the Scheme before the National Company Law Tribunal, Chennai Bench pursuant to Sections 230 and 232 of the Companies Act, 2013. The said petition is pending. The Scheme is thus subject to sanction of the **National Company Law Tribunal, Chennai Bench** as well.

4. Pursuant to the said advertisements and notices the Regional Director, Eastern Region, Ministry of Corporate Affairs, Kolkata ("**RD**") and Official Liquidator, High Court, Calcutta have filed their representations before this Tribunal.

5. The Official Liquidator has filed his report dated 29th December, 2021 and concluded as under:-

"10. That the Official Liquidator on the basis of information submitted by the Transferor Company is of the view that the affairs of the aforesaid Transferor Company do not appear to have been conducted in a manner prejudicial to the interest of

its members or to public interest as per the provisions of the erstwhile Companies Act, 1956 / the Companies Act, 2013, whichever is applicable.

11. That in view of the submission made above, the Hon'ble National Company Law Tribunal may like to pass such order / orders as deemed fit and proper in the facts and circumstance of the case."

6. The RD has made his representation by his reply affidavit dated 3rd January, 2022 ("**RD Affidavit**"). The observation of the RD have been dealt with by the Petitioner by their Rejoinder affidavit dated 4th January, 2022 ("**Rejoinder"**) filed by the learned counsel of the petitioner. The observations of the RD and responses of the Petitioner are as under: -

A. Paragraph 2(a) of RD Affidavit:

"It is submitted that the Transferee Company namely Dalmia Cement (Bharat) Limited is registered under the Registrar of Companies, Tamil Nadu which is not under the jurisdiction of this Deponent. Hence, this Deponent has no comment on it."

Response as per Paragraph 3 of Rejoinder:

"The contents of paragraphs 1 and 2(a) of the said Affidavit are matters of record."

B. Paragraph 2(b) of RD Affidavit:

"It is submitted that as per report of the Registrar of Companies, West Bengal, it appears that there is complaint received against M/s Dalmia DSP Limited, which is pending with him. Further, the Transferor Company, Dalmia DSP Limited has not filed Form MGT-14 for the financial years 31/03/2018 under section l 79(3)(g) read with section 117 of the Companies Act, 2013. However, the said Transferor Company has filed its Financial Statement as on 31/03/2021. (Copy of the said report marked Annexure-I is enclosed herewith for perusal and ready reference)."

Response as per Paragraph 4 of Rejoinder:

"With reference to paragraph 2(b) of the said Affidavit, the petitioner states that all proceedings which may be pending against the Transferor Company on the Effective Date, including the purported complaint before the Registrar of Companies, if any, will be transferred in the name of the Transferee Company in terms of clause 5.3 of the Scheme of Amalgamation and dealt with by the Transferee Company in accordance with law."

Further Response as per Paragraph 5 of Rejoinder:

"With further reference to paragraph 2(b) of the said Affidavit, the petitioner states that the Transferor Company is compliant in filing its annual financial statements and board reports with the ROC and has admittedly filed its latest financial statements as on 31/03/2021. The Transferor Company had also filed its annual financial statements and Board's Report with the ROC for the financial year ended 31/03/2018. The omission to file MGT- 14 for the Board resolution according approval to the financial statement and Board's report for the financial year 31/03/2018 under section 179(3)(g) read with section 117 of the Companies Act, 2013, as observed, is wholly unintentional and inadvertent. The Petitioner undertakes to take necessary steps to file the same in accordance with law. It is further respectfully stated and submitted that the observations of the ROC in the paragraph under reference do not affect the merits of the Scheme. "

C. Paragraph 2(c) of RD Affidavit:

"Petitioner company should undertake to comply with the provisions of section 232(3)(i) of the Companies Act,2013 through appropriate affirmation."

Response as per Paragraph 6 of Rejoinder:

"With reference to paragraph 2(c) of the said Affidavit, the petitioner states that section 232(3)(i) of the Companies Act, 2013 ("**Act**") will be duly complied with, if and to the extent applicable."

D. Paragraph 2(d) of RD Affidavit:

"That the Transferee Company should be directed to pay applicable stamp duty on the transfer of the immovable properties from the Transferor Companies to it."

Response as per Paragraph 7 of Rejoinder:

"With reference to paragraph 2(d) of the said Affidavit, the petitioner states that the stamp duty consequent to transfer of immovable properties of the Transferor Company under the Scheme shall be paid, if applicable."

E. Paragraph 2(e) of RD Affidavit:

"In compliance of Accounting Standard-14 or IND-AS 103, as may be applicable, the Transferee Company shall pass such accounting entries which are necessary in connection with the scheme to comply with other applicable Accounting Standards such as AS-5 or IND-AS-8 etc."

Response as per Paragraph 8 of Rejoinder:

"With reference to paragraph 2(e) of the said Affidavit, the petitioner states that IND-AS 103 is applicable in the instant case. In compliance with the said IND-AS 103, accounting entries which are necessary in connection with the Scheme to comply with other Accounting Standards such as AS-5 or IND AS-8 etc., if applicable, will be duly passed."

F. Paragraph 2(f) of RD Affidavit:

"The Tribunal may kindly seek the undertaking that this scheme is approved by the requisite majority of members and creditors as per section 230(6) of the Companies Act 2013 in meeting duly held in terms of section 230(1) read with sub-sections (3) to (5) of section 230 of the said Act and the Minutes thereof are duly placed on record."

Response as per Paragraph 9 of Rejoinder:

"With reference to the paragraph 2(f) of the said Affidavit, the petitioner states and submit that the Equity Shareholders of the Transferor Company have given their consent to the Scheme by way of affidavits. In view of the aforesaid, it is stated and submitted there is no

further requirement of holding meetings for obtaining approval of the said Equity Sshareholders as per section 230(6) of the Act read with Sub-sections (3) to (5) of section 230 of the Act or placing the minutes thereof. By an order made on 3rd August, 2021 in **Company Application CA(CAA) No.131/KB/2021**, this Tribunal, was pleased to give directions for convening and holding of separate meetings of the Secured and Unsecured Creditors of the Transferor Company on 10th September, 2021 for the purpose of the said ccreditors considering, and if thought fit, approving, with or without modification, the said Scheme. The said meetings of the Secured and Unsecured Creditors of the Transferor Company have since been held and the said meetings have all approved the said Scheme unanimously without any modification as per Section 230(6) of the Act read with sub-sections (3) to (5) of Section 230 of the Act. Pursuant to the said order dated 3rd August, 2021, the Chairperson appointed by the Tribunal, Mr. Sunil Kumar Dutta, FCA has filed his reports along with the affidavits verifying the same and the minutes of the meetings before this Hon'ble Tribunal."

G. Paragraph 2(g) of RD Affidavit:

"The Tribunal may kindly direct the Petitioners to file an affidavit to the extent that the Scheme enclosed to the Company Application and Company Petition are one and same and there is no discrepancy or no change is made."

Response as per Paragraph 10 of Rejoinder:

"With reference to paragraph 2(g) of the said Affidavit, the Petitioner confirms that the Scheme enclosed to the Company Application and the Company Petition are one and same and there is no discrepancy and no change is made."

H. Paragraph 2(h) of RD Affidavit:

"The Petitioners under provisions of section 230(5) of the Companies Act 2013 have to serve notices to concerned authorities which are likely to be affected by the Amalgamation or arrangement. Further, the approval of

the scheme by the Tribunal may not deter such authorities to deal with any of the issues arising after giving effect to the scheme. The decision of such authorities shall be binding on the Petitioner Company (s) concerned."

Response as per Paragraph 11 of Rejoinder:

"With reference to paragraph 2(h) of the said Affidavit, the Petitioner confirms that notice under section 230(5) of the Act has been already served on the concerned authorities. If any issues arise after giving effect to the Scheme, the same shall be dealt with in accordance with law."

I. Paragraph 2(i) of RD Affidavit:

"It is submitted that as per instructions of the Ministry of Corporate Affairs, New Delhi, a copy of the scheme was forwarded to the Income Tax Department on O1 / 10 / 2021 with a request to forward their comments/observations/ objections, if any. However, the same is still awaited."

Response as per Paragraph 12 of Rejoinder:

"With reference to paragraph 2(i) of the said Affidavit, the same are matters of record."

7. Heard submissions made by the Ld Counsel appearing for the Petitioner and the Joint Director in the Office of Regional Director.(E.R), MCA, Kolkata. We are satisfied with the explanations given by the Petitioner. Upon perusing the records and documents in the instant proceedings and considering the submissions, we allow the petition and make the following orders:-

(a) The Scheme of Amalgamation of **Dalmia DSP limited with Dalmia Cement (Bharat) Limited** ("**Scheme**") mentioned in paragraph 1 of the petition, being Annexure "A" thereto, is sanctioned by this Tribunal to be binding with effect from the Appointed Date as close of business hours on **31.03.2020,** provided in the Scheme, on **Dalmia DSP Limited**, its shareholders, creditors and all concerned;

(b) All the property, rights and powers of **Dalmia DSP Limited**, including those specified in Schedule of Assets, be transferred from the said Appointed Date, without any further act or deed, to **Dalmia Cement (Bharat) Limited** and, accordingly, the same shall pursuant to Section 232(4) of the Companies Act, 2013, be transferred to and vest in **Dalmia Cement (Bharat) Limited** for all the estate and interest of **Dalmia DSP Limited** therein but subject nevertheless to all charges now affecting the same as provided in the Scheme;

(c) All the debts, liabilities, duties and obligations of **Dalmia DSP Limited** be transferred from the said Appointed Date, without any further act or deed, to **Dalmia Cement (Bharat) Limited** and, accordingly, the same shall pursuant to Section 232(4) of the Companies Act, 2013, be transferred to and become the debts, liabilities, duties and obligations of Dalmia Cement (Bharat) Limited as provided in the Scheme;

(d) All proceedings and/or suits and/or appeals now pending by or against **Dalmia DSP Limited** be continued by or against **Dalmia Cement (Bharat) Limited;**

(e) The employees of Dalmia DSP Limited shall be engaged by Dalmia Cement (Bharat) Limited as provided in the Scheme;

(f) Leave is granted to the Petitioner to file its Schedule of Assets in the form as prescribed in the Schedule to Form No. CAA7 of the Companies (Compromises, Arrangements and Amalgamations) Rules, 2016 within three weeks from the date of the receipt of this order;

8. **Dalmia DSP Limited** shall within thirty days of the date of the receipt of this order, cause a certified copy of the order to be delivered to the Registrar of Companies, West Bengal for registration. On such certified copy being so delivered and on the Scheme being effective in terms thereof, **Dalmia DSP Limited** shall be dissolved without winding up, as provided in the Scheme, and all documents relating to **Dalmia DSP Limited** kept by the Registrar of Companies, West Bengal shall be

consolidated with the file kept by the Registrar of Companies, Tamil Nadu in relation to **Dalmia Cement (Bharat) Limited**.

9. The Scheme is sanctioned as above subject to the order in the petition filed by the Transferee Company before the NCLT, Chennai Bench.

10. The Petitioner shall supply legible print out of the Scheme and Schedule of Assets in acceptable form to the Registry and the Registry will append such printout, upon verification, to the certified copy of the order.

11. **Company Petition (CAA) No.179/KB/2021** connected with **CA(CAA) No.131/KB/2021** is disposed of accordingly.

12. Certified copy of the order may be issued upon compliance of all requisite formalities.

(Balraj Joshi)
Member (Technical)

(Rajasekhar V K)
Member (Judicial)

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IN NATIONAL COMPANY LAW TRIBUNAL, DIVISION BENCH - II, CHENNAI

CP/64/CAA/2021 in CA/41/CAA/2021

Under Section 230 to 232 of the Companies Act, 2013

In the matter of Scheme of Amalgamation

BETWEEN

DALMIA DSP LIMITED,
having its registered office at, Merlin Acropolis,
16th Floor, Rajdanga Main Road Premises, No.1858/1,
Kasba, Kolkatta - 700 107

...Transferor Company

And

DALMIA CEMENT (BHARAT) LIMITED,
having its registered office at, Dalmiapuram,
Dist. Tiruchirappalli, Tamil Nadu- 621 651

...Petitioner/Transferee Company

And

THEIR RESPECTIVE SHAREHOLDERS AND CREDITORS

*Order pronounced on **10th June 2022***

CORAM:
JUSTICE (RETD.) S. RAMATHILAGAM, MEMBER (JUDICIAL)
SHRI B. ANIL KUMAR, MEMBER (TECHNICAL)

For the Applicants : *Mr. PH Arvindh Pandian, Senior Advocate*
Mr. Pawan Jhabakh, Advocate.

ORDER

Per: - **B. ANIL KUMAR, MEMBER (TECHNICAL)**

Under consideration is Company Petition in CP/64/CAA/2021 filed by M/s. Dalmia Cement (Bharat) Limited (the "**Transferee**

Company") under section 230 - 232 of the Companies Act, 2013 r/w the Companies (Compromises, Arrangements and Amalgamations) Rules 2016. The instant Company Petition is in the matter of the Scheme of Amalgamation by virtue of which the company Dalmia DSP Limited (the "**Transferor Company**") is to be merged and amalgamated with the Transferee Company, as a going concern.

2. The registered Office of the transferor Company is situated in Kolkatta and falls within the jurisdiction of the National Company Law Tribunal ('**NCLT**'), Kolkatta Bench. The Transferor Company had approached the NCLT, Kolkatta Bench, for the sanction of the abovementioned Scheme and accordingly by an order dated 15th February, 2022 in CP(CAA) No.179/KB/2021 in CA(CAA)No.131/KB/2021, the NCLT, Kolkatta Bench, had sanctioned the abovementioned Scheme, subject to the approval and disposal of the present Company Petition.

DALMIA CEMENT (BHARAT) LIMITED

3. The Transferee Company was incorporated under the Companies Act, 1956, in the State of Tamil Nadu, in the name and style of "Avnija Finance Limited" on the 4th of July, 1996. Thereafter, the name of the Transferee Company has changed over the years. With effect from 31st December, 2010, the name of the

Transferee Company was changed to "Dalmia Cement (Bharat) Limited". The Transferee Company is a Public Limited Company and the registered office of the Transferee Company is situated at Dalmiapuram, Dist. Tiruchirappalli, Tamil Nadu- 621651. The main object of the Transferee Company is set out in clause III of its Memorandum of Association.

4. The Authorized Share Capital, Issued, Subscribed and Paid-up share capital of the Transferee Company as on 23rd March, 2021, is as under:

PARTICULARS	AMOUNT (IN CRORES OF RUPEES)
Authorized Share Capital	
38,53,50,000 Equity Shares of Rs. 10/- each	385.35
3,00,00,000 Preference Shares of Rs.100/- each	300
72,30,00,000 Unclassified Shares of Rs.10/- each	723.00
Total	**1408.35**
Issued, Subscribed and Fully Paid-up Share Capital	
31,40,45,267 Equity Shares of Rs. 10/- each	314.04
Total	**314.04**

5. This Tribunal vide its Order dated 22nd September, 2021 passed in CA(CAA)/41/(CHE)/2021 had dispensed with the convening of the meeting of the Equity Shareholders of the Transferee Company and had further ordered for the convening, holding and conducting meeting of the Secured Creditors and

Unsecured Creditors of the Transferee Company. The respective chairmen appointed have convened and held the meetings of the Secured Creditors and the Unsecured Creditors of the Transferee Company and have thereafter filed the results of the said meetings, by filing their Respective Chairmen Reports that have been annexed at Page Nos. 545 to 562 (both reports marked as **Annexure 'L'**) of the typed Set of Papers filed with this Company Petition, which has been taken on record by this Bench.

6. The Board of Directors of the Transferor Company and Transferee Company vide their respective Board Resolutions dated 23rd March, 2021, have approved the said scheme of Amalgamation. The same have been annexed at Page Nos. 519 to 529 (both Resolutions marked as **Annexure 'H'**) of the typed Set of Papers filed with this Company Petition, which have been taken on record by this Bench.

7. On perusal of the rationale of the scheme of Amalgamation, the Board of Directors of the Petitioner Companies have considered the proposed Scheme for the following reasons:

- Consolidation of core business;
- Synergies in operational process and logistics alignment;
- Increased capability by virtue of enhanced resource base;

- Rationalisation of administrative, compliance and other operational costs.

8. The Regional Director, Ministry of Corporate Affairs (In short, '**RD**'), vide the Report Affidavit (for brevity, '**Report**') dated 23rs February, 2022 has concluded that they have no objections to the said Scheme (as recorded at paragraph 13 of the Report), other than the observations made thereunder. However, based on the observations contained in paragraph 10 of the said report, the Transferee Company is hereby directed to remit the difference in fee/stamp duty (if any), in accordance to Section 232(3)(1) and to also file their Revised Memorandum of Association and Articles of Association, with the appropriate Registrar of Companies.

9. The Accounting Treatment provided and followed in the present Scheme of Amalgamation are in conformity with the Accounting Standards specified under Section 133 of the Companies Act, 2013. The Appointed date of the said Scheme is **31st March, 2020**. The said Scheme of Amalgamation will not cast any additional burden on the stakeholders and also will not prejudicially affect the interests of any class of the creditor/s in any manner.

10. The Scheme does not require any modification as it appears to be fair and reasonable, not contrary to public policy and also not violative of any provisions of law. All the statutory compliances have been made under section 230-232 of the Companies Act, 2013 r/w the Companies (Compromises, Arrangements and Amalgamations) Rules, 2016. The Scheme of Amalgamation between the Petitioner Companies was duly approved by the shareholders of the respective companies. Taking into consideration all the above, the Company Petitions are allowed and the Scheme of Arrangement annexed with the petition is hereby **sanctioned** which shall be binding on all the members, creditors and shareholders.

11. While approving the scheme as above, we further clarify that this order will not be construed as an order granting exemption from payment of stamp duty or taxes or any other charges, if payable, as per the relevant provisions of law or from any applicable permissions that may have to be obtained or, even compliances that may have to be made as per the mandate of law. Further, this order of approval of the Scheme is subject to Order passed by the NCLT, Kolkatta, with respect to the Petitions filed by the Transferor Company.

12. The Companies to the said Scheme or other persons interested, shall be at liberty to apply to this Bench for any direction that may be necessary with regard to the working of the said Scheme. The Petitioner Company shall file with the Registrar of Companies, the certified copy of this Order, within 30 days of the receipt of the order.

13. The Order of sanction to this Scheme shall be prepared by the Registry as per the relevant format provided under the Companies (Compromises, Arrangements and Amalgamations) Rules, 2016 notified on 14th December, 2016.

14. Accordingly, the Scheme annexed with the petitions stands sanctioned and the Company Petition Nos. CP/64/CAA/2021 stands **disposed of**.

- Sd -

ANIL KUMAR B
MEMBER (TECHNICAL)

- Sd -

Justice (Retd.) S. RAMATHILAGAM
MEMBER (JUDICIAL)

ANNEXURE-8

A brief on Chronology of all Clearances/Consents vis-à-vis production capacity since grant of CTE/CTO in tabular form if given below:

Sn	Approval	Granted Capacity	Date of issuance	Validity	Reference	Implementation Status	Annexures
1.	Environment Clearance for Integrated Cement Plant	Expansion -Cement from 1 Million TPA (MTPA) to 1.15 MTPA; CPP-15 MW	09.03.2016	08.03.2026	Proposal No.: IA/BR/IND/4554/2011 File No.:J-11011/366/2011-IA.II(I)	Implemented except CPP	A
2.	Consent to Operate	PPC 2739 MT/Day	28.11.2017	31.05.2021	Ref. No. T-6197 & T-6198	Implemented	B
3.	HW Authorisation for generation, collection, reception, storage, transport, reuse, recycling, recovery, pre-processing, co-processing, utilization, treatment, disposal or any other use of hazardous or other wastes or both on the premises	103796 Tonnes/annum	03.08.2020	02.03.2025	Number of authorization: HW/B -3082	Implemented	C
4.	Renewal of Consent to Operate	PPC 2739 MT/Day	20.04.2021	01.06.2026	Ref. No. T-6197 & T-6198	Implemented	D
5.	Consent to Establish for WHRS	WHRS-4.58 MW	19.03.2021	18.03.2022	Memo no. 582	Implemented	E
6.	Consent to Operate for WHRS	WHRS-4.58 MW	02.05.2022	01.05.2027	Ref. No. 1329 & 1330	Implemented	F

Sn	Approval	Granted Capacity	Date of issuance	Validity	Reference	Implementation Status	Annexures
7.	Consent to Establish (NIPL) for increase capacity under the provisions of S.O.980-(E), dated 21st March, 2021.	Clinker (0.7 MTPA to 1.1 MTPA), Cement (1.15 MTPA to 1.7 MTPA) and WHRS - 4.58 MW	25.01.2022	24.01.2023	Memo No.: 260 SW No.: SW/1544/2021 Proposal No.: IA/UP/IND/216837/2021 File No.: J-11011/366/ 2011-IA.II(I)	Implemented	G
8.	Consent to operate	Clinker (0.7 MTPA to 1.1 MTPA), Cement (1.15 MTPA to 1.7 MTPA)	27.06.2022	26.06.2027	Ref. No. 1903 & 1904	Implemented	H
9.	HW Authorisation for generation, collection, reception, storage, transport, reuse, recycling, recovery, pre-processing, co-processing, utilization, treatment, disposal or any other use of hazardous or other wastes or both on the premises	200000 Tonnes/annum	24.01.2023	23.01.2028	Number of authorization: HW/B -213	Implemented	I

ANNEXURE-A

F. No. J-11011/366/2011-IA II (I)
Government of India
Ministry of Environment, Forest and Climate Change
(I.A. Division)

Indira Paryavaran Bhawan
Jor Bagh Road, Aliganj,
New Delhi - 110003
E-mail: satish.garkoti@nic.in
Tel: 011- 24695316

Dated: 7th March, 2016

To

M/s Kalyanpur Cement Ltd.
Maura Cemter, 1, Fraser Road,
Patna, Bihar-800001

Subject: Expansion of Cement Plant from 1 MTPA to 1.15 MTPA with captive Power Plant by M/s Kalyanpur Cements Ltd. (KCL) at village Kalyanpur, P.O. Banjari, District Rohtas, Bihar - Environment Clearance-regarding.

Sir,

This has reference to your online application No. IA/BR/IND/4554/201 dated 25.08.2015 along with copies of EIA/EMP report and subsequent letter dated 12.01.2016 seeking Environment Clearance under the provisions of the EIA Notification, 2006 for the project mentioned above. The Terms of Reference (ToRs) to the project were prescribed by the Ministry vide letter No. J-11011/366/2011-IA-II(I) dated 9th September, 2011. The public hearing for the project was conducted on 15th July 2012. However due to delay in getting NOC and authenticated map from the Chief Wildlife Warden regarding distance of plant from Kaimur Wildlife Sanctuary, the ToRs had to be extended for two terms from 9th September 2013 to 8th September 2014 and again till 8th September 2015 vide letters of even number dated 28.04.2014 and 27.08.2015 respectively. The proposed project activity is listed at S.No. 3(b) in Cement Plant under Category 'A' of the Schedule of EIA Notification 2006.

2.0 M/s Kalyanpur Cements Limited (KCL) has proposed to expand the capacity of its existing cement plant located at Village Kalyanpur, District Rohtas, Bihar from 1.0 MTPA capacity to 1.15 MTPA. In addition, a captive power plant of 15 MW is also proposed in the same premises. The proposed expansion will be carried out within existing project premises of 100.75 acres. In the cement plant, the machinery and infrastructure has enough spare capacity to handle the additional production of 0.15MTPA. No additional land will be acquired for the proposed expansion project.

3.0 The project site is well connected by road with NH-2C, located adjacent to the plant. The nearest Railway Station is at Dehri-on-Sone, approximately 35 km from the project site. The River Sone flows near to the project site at a distance of 1.1 km on the eastern side. The total cost of the project will be Rs.106.74 crores. The plant is located at a distance of 270 meters from Kaimur Wildlife Sanctuary; however, the village Kalyanpur, District Rohtas, where the plant is located, has not been included in the annexure appended to the Eco Sensitive Zone Notification issued vide S.O. No. 3549 (E) dated 30th December, 2015. The total capital cost for environmental pollution control measures will be Rs.10.0 crores and

recurring cost will be Rs.0.5 crores per annum. Rs.5.33 crores has been allocated towards CSR activities which will be in no case utilized for any other purpose.

4.0 The raw material required for the cement plant includes limestone, gypsum, fly ash and coal. For the captive power plant, the raw material required will be coal. The average total additional water requirement for the proposed expansion project is estimated at about 250 KLD for captive power plant and 20 KLD for domestic, which will be sourced from the mines water reservoir and bore-wells respectively. The power and energy demand of cement plant are 9 MW and 71.71 KWh per annum at the present production level. However after enhancement of the plant capacity to 2200 TPD, the power requirement shall increase to 11.5 MW. Due to very high power cost of BSEB, KCL has proposed to establish a 15 MW Captive Power Plant. At present, the total manpower employed with KCL and its contractors is about 1000. After the proposed expansion and installation of captive power plant, an additional manpower of 39 will be required for operation of the plant.

5.0 Considering the potential heat values of the waste flue gases of cement plant process, it is proposed to install the "Waste Heat Recovery Boiler". The selected configuration for generation of power would consist of coal and washery coal based thermal power plant having one boiler with MCR 60 TPH and two waste heat recovery boiler (PH & AQC) connected to one turbo generators of 15 MW capacity.

6.0 Public hearing for the project was conducted on 15th July 2012 at Primary School, Baknaura, District Rohtas, Bihar. The major issued raised during the public hearing inter-alia include impact of proposed expansion and installation of captive power plant on the nearby agricultural fields, water quality and water use, water pollution, air pollution, CSR activities etc.

7.0 The proposal was considered by the Expert Appraisal Committee (Industry-I) during its 1st meeting held on 18th -20th November, 2015 and recommended the project for Environmental Clearance and stipulated Specific Conditions along with other environmental conditions while considering for accord of Environmental Clearance.

8.0 The Ministry of Environment, Forest and Climate Change has considered the application based on the recommendations of the Expert Appraisal Committee (Industry-I) and hereby decided to grant Environmental Clearance to the above mentioned proposal of M/s Kalyanpur Cement Ltd. for expansion of Cement Plant from 1 MTPA to 1.15 MTPA with captive Power Plant (15 MW) under the provision of EIA Notification dated 14th September, 2006, as amended subject to strict compliance of the following Specific and General conditions:

A. SPECIFIC CONDITION:

i. The project proponent shall install 24x7 air monitoring devices to monitor air emission, as provided by CPCB and submit report to Ministry and its Regional Office. Emission for particulate matter should be restricted to 30 mg/m^3.

ii. The Standards issued by the Ministry vide G.S.R. No. 612 (E) dated 25th August, 2014 regarding cement plants with respect to particulate matter, SO2 and NOx shall be followed.

iii. All the pollution control devices/equipment in the grinding unit shall be interlocked so that in the event of the pollution control devices/systems not working, the respective unit(s) shut down automatically.

iv. Secondary fugitive emissions shall be controlled and shall be within the prescribed limits and regularly monitored. Guidelines / Code of Practice issued by the CPCB in this regard shall be followed.

v. Efforts shall be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agricultural land. All the raw materials including fly ash should be transported in the closed containers only and shall not be overloaded. The company shall have separate truck parking area. Vehicular emissions should be regularly monitored.

vi. All the treated wastewater shall be recycled and reused in the process and/or for dust suppression and green belt development and other plant related activities etc. No process wastewater shall be discharged outside the factory premises and 'zero' discharge should be adopted.

vii. Storage of material shall be in covered area.

viii. Rain water harvesting plan shall be prepared and shall supplement the water requirements of the project.

ix. Regular monitoring of influent and effluent surface, sub-surface and ground water should be ensured and treated wastewater should meet the norms prescribed by the State Pollution Control Board or described under the Environment (Protection) Act, 1986 whichever are more stringent

x. Green belt shall be developed in at least 33 % area in and around the cement plant as per the CPCB guidelines to mitigate the effects of air emissions in consultation with local DFO.

xi. All the commitments made to the public during the Public Hearing / Public Consultation meeting shall be satisfactorily implemented and a separate budget for implementing the same shall be allocated and information submitted to the Ministry's Regional Office.

xii. At least 5 % of the total cost of the project shall be earmarked towards the Enterprise Social Commitment based on Public Hearing Issues and item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office at Chandigarh. The proponent shall prepare a detailed ESC Plan for every next 5 years for the existing-cum-expansion project, which includes village-wise, sector-wise (Health, Education, Sanitation, Health, Skill Development and infrastructure requirements such as strengthening of village roads, avenue plantation, etc) activities in consultation with the local communities and administration. The ESC Plan will include the amount of 2% retain annual profits as provided for in Clause 135 of the Companies Act, 2013 which provides for 2% of the average net profits of previous 3 years towards ESC activities for life of the project. A separate budget head shall be

created and the annual capital and revenue expenditure on various activities of the Plan shall be submitted as part of the Compliance Report to RO, Chandigarh. The details of the ESC Plan shall also be uploaded on the company website and shall also be provided in the Annual Report of the company.

xiii. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, Safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.

xiv. The proposed cement plant kiln will provid for a flexible fuel feeding system to enable use of hazardous wastes as per guidelines of CPCB.

B. GENERAL CONDITIONS:

i. The project authorities must strictly adhere to the stipulations made by the Bihar Pollution Control Board and the State Government.

ii. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEFCC).

iii. At least four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of PM_{10}, $PM_{2.5}$, SO_2 and NO_X are anticipated in consultation with the SPCB. Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its Regional Office at Ranchi and the SPCB/CPCB once in six months.

iv. Industrial wastewater shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended form time to time. The treated wastewater shall be utilized for plantation purpose.

v. The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (nighttime).

vi. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.

vii. The company shall develop rain water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.

viii. The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report. Further, the

company must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.

ix. Requisite funds shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change (MoEFCC) as well as the State Government. An implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Regional Office of the Ministry at Ranchi. The funds so provided shall not be diverted for any other purpose.

x. A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/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 web site of the company by the proponent.

xi. The project proponent shall upload the status of compliance of the stipulated environment 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 MOEFCC at Ranchi. The respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM_{10}, SO_2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.

xii. The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MOEFCC, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Ranchi / CPCB / SPCB shall monitor the stipulated conditions.

xiii. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State 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 conditions and shall also be sent to the respective Regional Office of the MOEFCC at Ranchi by e-mail.

xiv. The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB and may also be seen at Website of the Ministry of Environment, Forests and Climate Change (MoEFCC) at http:/envfor.nic.in. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same should be forwarded to the Regional office at Ranchi.

xv. Project authorities 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 and the date of commencing the land development work.

9.0 The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.

10.0 The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.

11.0 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 Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and the Public (Insurance) Liability Act, 1991 along with their amendments and rules.

09/3/2016

(Dr. Satish C. Garkoti)
Scientist 'F'

Copy to:-

1. The Secretary, Department of Environment, Government of Bihar.
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi, 110 032.
3. The Chairman, Bihar State Pollution Control Board, Beltron Bhawan, Shastri Nagar Jawahar Lal Nehru Marg, Patna, Bihar-800023.
4. The Additional Principal Chief Conservator of Forests (C) Ministry of Environment, Forest and Climate Change, Regional Office (ECZ), Bungalow No. A-2, Shyamali Colony, Ranchi – 834002.
5. Guard File / Record File/Monitoring file.

(Dr. Satish C. Garkoti)
Scientist 'F'

ANNEXURE-B

BIHAR STATE POLLUTION CONTROL BOARD

Parivesh Bhawan, NSB-2, Patliputra Industrial Area
Patliputra, Patna - 800 010

Ref. No-- T-6197 Patna, dated- 28.11.17

EMISSION CONSENT ORDER

With reference to the application No.-**385040,** dated **24.06.2016** of **M/s Kalyanpur Cement Ltd., 23, Mangal Deep Appt., Patliputra, Dist.-Patna-800013** for consent under sections 21 of the Air (Prevention & Control of Pollution) Act, 1981, he/they is/are granted consent to operate his/their plant **at- Banjari, Dist.-Rohtas-821303** for the period **upto 31.05.2021** with the following conditions:- **, (a) PPC-2739MT/day,**

1. That, he/they shall not make any alteration, addition, deletion or modification in the plant without the prior clearance from the Board and shall also abide by the obligations under sections 22,23 and 31A of the Air (Prevention & Control of Pollution) Act,1981 and further shall extend co-operation to the Board in performing its functions entrusted under sections 24,25 and 26 of the Act ;
2. That, he/they shall comply with the requirements of rule 14 of the Environment(Protection) Rules, 1986; rules 4,5,7,9,10 and 11 of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules,2016; rules 4,5,7,8,10,11,12,13,15,17 and 18 of the Manufacture, Storage and Import of Hazardous Chemical Rules,1989; and the provisions of the Public Liability Insurance Act,1991,whichever is applicable;
3. That, he/they shall monitor his/their emission(s) and the ambient air quality from representative point regularly and shall maintain its quality in conformity with Board's standards and shall produce its proof, as and when asked for;
4. That, he/they shall submit application for consent again 30 days before the expiration of the period of consent i.e. **30.04.2021** or within 30 days from the date of receipt of this order, whichever is applicable.
5. *That, the unit shall use & operate the installed APCD (ESP, Bag house & Bag filter) for control of particulate matter emission.*
6. *The unit shall conform the new notified emission standards PM (30mg/NM3) SO_2 (100, 700 & 1000 mg/NM3) when pyritic sulfur in the lime stone is less than 0.25%, 0.25-0.5% and more than 0.5% respectively and NOX (600mg/NM3).*
7. *The unit shall maintain good housekeeping and avoid deposition of solid materials on the plant machinery and floors.*
8. *The unit shall develop 3 tier plantation along the boundary, towards road side.*
9. *The unit shall obtain separate CTO for the mining activities at the leased area.*
10. *The unit shall use & maintain the online stack emission monitoring system.*
11. *The unit shall submit Environmental Statement to the Board on or before 30th September.*
12. *The unit shall provide water/mist spraying system for dust suppression at different places having more fugitive emission potential.*
13. *The unit shall submit periodic health checkup of employees annually.*
14. *The unit shall submit the progress report on action plan submitted to CPCB/BSPCB for compliance of new notified emission standards.*
15. *The unit shall submit performance evaluation/efficiency test of APCD.*
16. *The unit shall replace the old D.G. Set with the acoustic enclosures.*
17. *The unit shall have a display board near the site stating name of unit/Industry with address/name of proprietor with address and ref memo no and date of consent with its validity period granted by the Board.*

To

Sri B.C. Srivastava
M/s Kalyanpur Cement Ltd.
23, Mangal Deep Appt., Patliputra
Dist.-Patna-800013

28/11/17
(Alok Kumar)
Member Secretary

EPABX : 0612-2261250/2262265, Fax : 0612-2261050
E-mail: bspcb@yahoo.com, Website : http://bspcb.bih.nic.in

BIHAR STATE POLLUTION CONTROL BOARD

Parivesh Bhawan, NSB-2, Patliputra Industrial Area
Patliputra, Patna - 800 010

Ref. No. T-6198 Patna, dated- 28·11·17

DISCHARGE CONSENT ORDER

With reference to the application ID.-**385040,** dated **24.06.2016** of **M/s Kalyanpur Cement Ltd., 23, Mangal Deep Appt., Patliputra, Dist.-Patna-800013** for consent under sections 25/26 of the Water (Prevention & Control of Pollution) Act, 1974, he/they is/are granted consent to bring into use his/their new/altered/existing outlet(s) for discharge of trade effluent and/or domestic sewage operate his/their **at- Banjari, Dist.-Rohtas-821303** for the period **upto 31.05.2021** with the following conditions:- **(PPC-2739MT/day)**

1 That, he/they shall not make any alteration, addition, deletion or modification in the plant without the prior clearance from the Board and shall also abide by the obligations under sections 24,31 and 33A of the Water (Prevention & Control of Pollution) Act,1974 and further shall extend co-operation to the Board in performing its functions entrusted under sections 20,21,23,30 and 32 of the Act ;

2 That, he/they shall comply with the the provisions of the Water (Prevention and Control of Pollution) Cess Act, 1977, rule 14 of the Environment (Protection) Rules, 1986; previsions of the Hazardous & Other Wastes (Management & Tran boundary Movement) rules, 2016; rules 4,5,7,8,10,11,12,13, 15,17 and 18 of the Manufacture, Storage and Import of Hazardous Chemical Rules,1989; and the provisions of the Public Liability Insurance Act,1991 whichever is applicable;

3 That, he/they shall monitor his/their effluent(s) regularly and maintain its quality in conformity with Board's standards and shall produce its proof, as and when asked for;

4 That, he/they shall submit application for consent again 30 days before the expiration of the period of consent i.e. **30.04.2021** *or within 30days* from the date of receipt of this order, whichever is applicable.

5 *The unit use settling tanks for sedimentation of the solid and supernatant water shall be used for water spraying on road, plantation etc.*

6 *The unit shall submit Environmental Statement on or before 30th September of every year.*

7 *The unit shall have a display board near the site stating name of unit/Industry with address/name of proprietor with address and ref memo no and date of consent with its validity period granted by the Board.*

To,

Sri B.C. Srivastava
M/s Kalyanpur Cement Ltd.
23, Mangal Deep Appt., Patliputra
Dist.-Patna-800013

28/11/17

(Alok Kumar)
Member Secretary

EPABX & 0612-2261250/2262265, Fax & 0612-2261050
E-mail&bspcb@yahoo.com, Website & http://bspcb.bih.nic.in

ANNEXURE-C

BIHAR STATE POLLUTION CONTROL BOARD

Parivesh Bhawan, Patliputra Industrial Area, Patna–800 010
EPABX-0612-2261250/2262265, Fax-0612-2261050; E-mail-bspcb@yahoo.com, Website –http://bspcb.bih.nic.in

FORM 2

[See rule 6(2)]

FORM FOR GRANT OR RENEWAL OF AUTHORISATION BY STATE POLLUTION CONTROLBOARD TO THE OCCUPIERS, RECYCLERS, REPROCESSORS, REUSERS, USER AND OPERATORS OF DISPOSAL FACILITIES.

1. Number of authorization and date of issue : HW/ B-3082 Patna, dated- 03-8-20
2. Reference of application (No. and date) : **3581704, dated-19.03.2020**
3. **M/s Dalmia DSP Limited** is hereby granted an authorization based on the enclosed signed inspection report for generation, collection, reception, storage, transport, reuse, recycling, recovery, pre-processing, co-processing, utilization, treatment, disposal or any other use of hazardous or other wastes or both on the premises situated at **P.O.-Banjari, Dist-Rohtas, Bihar.**

Details of Authorization

Sl. No.	Category of Hazardous Waste as per Schedule I, II & III of the Hazardous and Other Wastes (Management and Trans-boundary Movement) Rules, 2016.	Authorized mode of disposal or recycling or utilization or co-processing, etc.	Quantity (ton/ annum)
1.	Wastes or residues containing oil (HW cat. no. 5.2, Schedule I)	Co-processing	10
2.	Tarry residues & still bottoms from distillation (HW cat. no. 1.2, Schedule I)	Co-processing	500
3.	Oily sludge emulsion (HW cat. no. 1.3, 4.1, Schedule I)	Co-processing	3400
4.	Sludge containing oil (HW cat. no. 2.2, Schedule I)	Co-processing	1000
5.	Spent catalyst (HW cat. no. 4.2, Schedule I)	Co-processing	5000
6.	Organic residues from process (HW cat. no. 4.4, Schedule I)	Co-processing	500
7.	Distillation residues (HW cat. no. 20.3, Schedule I)	Co-processing	3000
8.	Process wastes, residues and sludge (HW cat. no. 21.1, Schedule I)	Co-processing	1000
9.	Process wastes (HW cat. no. 22.2, Schedule I)	Co-processing	2000
10.	Spent ion exchange resign containing toxic metal (HW cat. no. 35.2, Schedule I)	Co-processing	100
11.	Chemical sludge from waste water treatment (ETP, CETP) (HW cat. no. 35.3, Schedule I)	Co-processing	500
12.	Chromium bearing residues and sludge (HW cat. no. 30.1, Schedule I)	Co-processing	1000
13.	Other residues from processing of zinc ash from skimming (HW cat. no. 6.3, Schedule I)	Co-processing	300
14.	Any process or distillation residues compounds/solvents (HW cat. no. 36.1, Schedule I)	Co-processing	300
15.	Oil and grease skimming (HW cat. no. 35.4, Schedule I)	Co-processing	300
16.	Spent catalyst (HW cat. no. 17.2, 18.1, 19.2, 21.2, 22.1, 26.5, 29.5, Schedule I)	Co-processing	1000
17.	Contaminated cotton rags or other cleaning materials (HW cat. no. 33.2, Schedule I)	Co-processing	500
18.	Chemical containing residues arising from de-contamination (HW cat. no. 34.1, Schedule I)	Co-processing	50
19.	Sludge from treatment of waste water arising out of cleaning/disposal of barrels/containers (HW cat. no. 34.2, Schedule I)	Co-processing	50

20.	Used/spent oil (HW cat. no. 5.1, Schedule I)	Co-processing	200
21.	Spent clay containing oil (HW cat. no. 4.5, Schedule I)	Co-processing	500
22.	Spent carbon (HW cat. no. 28.3, Schedule I)	Co-processing	500
23.	Other waste viz. SCF, RDF (Sorted MSW, plastic waste, bio-mass, agro waste, etc.	Pre-processing & Co-processing	82086
		Total	**103796**

1) The authorization shall be valid for a period of **five years from date of issue.**
2) The authorization is subject to the following general and specific conditions (Please specify any conditions that need to be imposed over and above general conditions, if any):

A. General conditions of authorization:

1. The authorized person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
2. The authorization or its renewal shall be produced for inspection at the request of an officer authorized by the State Pollution Control Board.
3. The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorization.
4. Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorization.
5. The person authorized shall implement Emergency Response Procedure (ERP) for which this authorization is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time;
6. The person authorized shall comply with the provisions outlined in the Central Pollution Control Board guidelines on "Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty".
7. It is the duty of the authorized person to take prior permission of the State Pollution Control Board to close down the facility.
8. The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
9. The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
10. The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilization of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorization.
11. The importer or exporter shall bear the cost of import or export and mitigation of damages if any.
12. An application for the renewal of an authorization shall be made as laid down under these Rules.
13. Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.
14. Annual return shall be filed by June 30th for the period ensuring 31st March of the year.

B. Specific conditions of authorization:

15. The unit shall start pre-processing and co-processing of hazardous and other wastes/utilization of alternative fuels & raw materials (AFR) only after development of infrastructure/facility in accordance with the CPCB Guidelines for Pre-processing and Co-processing of hazardous and other wastes in Cement Plant in compliance with the Hazardous and Other Wastes (Management and Trans-boundary Movement) Rules, 2016. The infrastructure/facility shall include:-
    a. Weighing bridge for quantification of waste at reception place within the factory premises.
    b. Covered shed with impervious line flooring for storage of hazardous and other wastes in storage tanks/ containers/ bins of proposed capacity (900 MT).

c. Drums/ containers/ bulkers/ tankers etc. suitable for packaging of hazardous and other wastes/ AFR.
d. Laboratory for waste characterization/ qualification.
e. Equipment such as shredder/ crusher/ cutter/ chipper for size reduction of hazardous and other wastes; screen for screening and granulation, impregnation; electro-magnetic separator/metal detector for sorting of metal; loader/ dumper as moving machinery for movement of wastes; belt conveyor for transportation of material to the feed points and one to another place; extractor with weigh feeders as feeding system; double slide gates as safety equipment to be utilized into feeding mechanize to avoid any bag fire due to any pressure build-up into the kiln; fume extraction system with vacuum duct connected to scrubber/ bag filter/ VOC emission control system through carbon absorption along with suitable ID fan and stack of adequate height to control fugitive emission; fire protection system approved by safety auditor/ fire department; collection pit with impervious line for collection of spillage/ leachate collection; electrical and instrumentation fitting inconformity to the standards; provisions of emergency shower, eye wash station, personal protective equipment (safety boot, goggles, glove, mask ear plugs etc.).

16. The unit shall utilize combustible waste as fuel (Alternative Fuel) into kiln system by maintaining high temperature during clinker production.
17. The waste material shall be fed to the cement kiln though appropriate feed points, in adequate proportion and with proper waste quality and emission monitoring system. The unit may use different feeding points viz. (a) main burner at the rotary kiln outlet end (b) rotary kiln inlet end (c) pre-calciner. Appropriate feed points shall be selected according to the physical, chemical and toxicological characteristics of waste materials. Wastes of high calorific value have to be always fed into the high temperature combustion zone of the kiln. Wastes containing stable toxic component and containing >1.5% chlorine should be fed to the main burner to ensure complete combustion. Plastic waste, RDF of MSW shall be fed through pre-calciner.
18. The wastes such as bio-medical waste, asbestos containing wastes, e-Waste, entire batteries, explosive, corrosives, mineral acid wastes, radioactive wastes and unsorted municipal garbage shall not be co-processed.
19. The unit shall install Continuous Emission Monitoring System (CEMS) with the parameters PM, SO_2, NO_x in the first phase and data shall be linked with CPCB server and BSPCB dashboard. Additional emission parameters for CEMS shall be added as per the direction of the CPCB/ BSPCB from time-to-time. Other parameters shall be monitored manually once in a year and data should be submitted to BSPCB.
20. The unit shall comply with the emission standards notified by MoEF&CC, Govt. of India vide G.S.R. 497(E), dated-10.05.2016.
21. The unit shall maintain "zero discharge" of service waste water and in case, the industries prefers discharge service waste water, the unit shall comply the discharge standards (pH: 5.5-9.0, Suspended Solid: 100 mg/L, Oil & Grease: 10 mg/L, Temperature: not more than 5^0C higher than intake water temperature).
22. The unit shall ensure that storm water is not allowed to mix with effluent, treated sewage, scrubber water and or floor washings. Strom water within battery limits of the industry shall be channelized through separate drain(s).
23. This authorization shall be applicable for handling, collection, packaging, transportation, pre-processing and co-processing of waste mix prepared from different kinds of wastes such as the once listed in the Hazardous and Other Wastes (Management and Trans-boundary Movement) Rules, 2016 and also those which are not listed like Segregated Combustible Fraction (SCF), Refused Derived Fuel (RDF) of MSW, plastic and other packaging wastes, non-hazardous

industrial wastes, bio-masses (saw dust), agro wastes etc. as an Alternative Fuel and Raw Material (AFR).

Pre-processing shall involve only physical transformation like size reduction by shredding and cutting, separation of foreign/ undesirable materials (separation of metal through metal detector or magnetic separator, impregnation (introducing and proper mixing of bio-mass/ saw dust in semi-solid streams to soak extra flowing liquid and maintaining good flow ability) and desired size selection (screening).

24. The unit shall display details of hazardous waste (quantity, nature of hazardous waste being used in the plant, water and air emissions etc.) at the main gate on board of 6'x4' size.
25. The unit shall follow the guidelines issued by the CPCB for pre-processing & co-processing of hazardous and other wastes in cement plant.
26. The unit shall maintain a logbook of waste co-processed including emission monitoring result during co-processing.
27. The collected waste shall be suitably pre-processed for co-processing.
28. The unit shall maintain a record of hazardous waste and other waste handled in Form-3 and shall submit annual return in Form-4 to this Board on or before 30th June of every year.
29. The unit shall not store the hazardous waste in the premises for a period of more than 90 days provided the board has extended the said period.
30. The unit shall ensure that no damage is caused to environment during collection, storage & transportation of its HW.
31. The unit shall ensure that HW are packaged in a suitable manner for safe handling, storage, transport and labelled as per Form-8 of the rule.
32. The unit shall provide relevant information regarding hazardous nature of waste and majors to be taken in case of an emergency in Form-9 to the transporter.
33. The unit shall maintain the manifest system (movement document) for the movement of HW within the country in Form-10 of the rule.
34. The sender shall intimate the State Board of the destination & transit State Board in compliance with rule-18 (4 & 5) in addition with this Board for transportation of hazardous waste for co-processing.
35. The unit shall maintain the records of hazardous and other wastes purchased in a passbook issued by BSPCB along with authorization.
36. The unit shall comply the provisions of the Hazardous and Other Wastes (Management and Trans-boundary Movement) Rules, 2016 as operator, co-processor facility.

3/8/20

(Alok Kumar)
Member Secretary.

BIHAR STATE POLLUTION CONTROL BOARD

PariveshBhawan, Patliputra Industrial Area, P.O.-Sadakat Ashram, Patna–800010

EPABX.0612-2261250/2262265, Fax.0612-2261050

FIELD INSPECTION REPORTWITH REGARD TO GENERATION AND MANAGEMENT OF HAZARDOUS & OTHER WASTES UNDER THE HAZARDOUS & OTHER WASTES (MANAGEMENT & TRANS-BOUNDARY MOVEMENT) RULES, 2016

Sl. No.	Particulars	Status/details	
1.	Name & Address of Industry/ Facility	Name:	M/S Dalmia DPS Limited.
		Location:	P.O-Banjari, Distt.-Rohtas, Bihar-821303.
		Postal Address:	P.O-Banjari, Distt.-Rohtas, Bihar-821303.
		E-mail	banveer.rajkumar@dalmiacement.com
		Telephone No.	+91-9318353101/+91-9909029626 (Mr. Raj KumarBanveer, Asst. Executive Director, Unit Head)
		Application No.	3581704, dated-19.03.2020
		Website:	www.dalmiabharat.com
		Year of commissioning	January, 2018 (Operational from 1st September, 2018)
		Longitude and Latitude	24°40'13.9"N 83°59'20.7"E 24.670526, 83.989072
2.	Category of Industry/Facility	L/M/S	L
		R/O/G	R (Red)
		Waste generator	Yes
		Recycler/ Pre-processor / Co-processor/ User of HW & OW	Proposed - Co-processor
		Waste Collector	N/A (Not Applicable)
		Trader	N/A
		TSDF	N/A
3.	Date of Inspection	DD MM YYYY	15.06.2020
4.	Representative of the Industry /Facility present during inspection	Name	ShriRajkumarBanveer /Shri BinayBihariSandwar
		Designation	Asst. Executive Director (Unit Head)/Asst. General Manager
		Contact No.	+91-9318353101, +91-9909029626/+91-7008770866
5.	Name and Designation of the Officials visiting the Unit	Name	Shri S. N. Jayaswal /Shri Digvijay Singh
		Designation	Board Analyst /Asst. Scientific Officer
6.	Operational status of the Industry /Facility	Operational/ Non-operational	Operational

<table>
<tr><th>Sl. No.</th><th>Particulars</th><th>Status/details</th></tr>
<tr><td>7.</td><td>Product(s) & Production Capacity (In MTD/KLD or MTM/ KLM or MTA/ KLA)</td><td>
<table>
<tr><th>Sr. No.</th><th>Product</th><th>MT/day or Month or Annum</th><th>Operational status</th></tr>
<tr><td>1.</td><td>PPC</td><td>2739 MT/day (1.0 MMT/annum)</td><td>In-Operational</td></tr>
<tr><td>2.</td><td></td><td></td><td></td></tr>
</table>
</td></tr>
<tr><td>8.</td><td>Status of consent under the Water Act, 1974</td><td>
<table>
<tr><td>Date of issue</td><td>Ref. no. T-6198, dated-28.11.2017</td><td>Remarks (if any)</td></tr>
<tr><td>Validity</td><td>Up to 31.05.2021</td><td></td></tr>
</table>
</td></tr>
<tr><td>9.</td><td>Status of consent under the Air Act, 1981</td><td>
<table>
<tr><td>Date of issue</td><td>Ref. no. T-6197, dated-28.11.2017</td><td>Remarks (if any)</td></tr>
<tr><td>Validity</td><td>Up to 31.05.2021</td><td></td></tr>
</table>
</td></tr>
<tr><td>10.</td><td>Manufacturing process description in brief for each Product. (Attach Process Flow Diagram indicating raw materials and sources of hazardous waste generation along with mass balance).</td><td>The unit is a Cement Industry & producing PPC (1.0 MMT/annum) and proposed to start co-processing of Hazardous & Other Waste/Alternative Fuel and Raw material (AFR). The details of manufacturing process and other related aspects are enclosed as Inspection Report (IR).</td></tr>
<tr><td>11. a</td><td>Status of Authorization under the Hazardous Waste(Management, Handling & Trans-boundary Movement) Rules, 2008/Hazardous & Other Wastes (Management & Trans-boundary Movement) Rules, 2016 and details of Hazardous Waste (HW) authorized (please also attach copy of authorization).</td><td>
<table>
<tr><td>Date of issue</td><td>Applied for first time for co-processing of Hazardous & Other Waste.</td></tr>
<tr><td>Validity</td><td>N/A</td></tr>
</table>
<table>
<tr><th>Sl. No.</th><th>Category of HW as per the Schedules I, II & III of the HW & OW Rules, 2016</th><th>Authorized mode of disposal or recycling or utilization or co-processing etc. of the HW & OW</th><th>Quantity (Ton/Annum)</th></tr>
<tr><td>1.</td><td>N/A</td><td>N/A</td><td>N/A</td></tr>
<tr><td>2.</td><td></td><td></td><td></td></tr>
<tr><td>3.</td><td></td><td></td><td></td></tr>
<tr><td>4.</td><td></td><td></td><td></td></tr>
<tr><td>5.</td><td></td><td></td><td></td></tr>
<tr><td>6.</td><td></td><td></td><td></td></tr>
<tr><td>7.</td><td></td><td></td><td></td></tr>
<tr><td>8.</td><td></td><td></td><td></td></tr>
<tr><td>9.</td><td></td><td></td><td></td></tr>
<tr><td>10.</td><td></td><td></td><td></td></tr>
</table>
</td></tr>
<tr><td>12.</td><td>Status of HW & other wastes generation &their respective quantity verified/ observed</td><td>
Table-1
<table>
<tr><th colspan="4">A</th><th colspan="2">B</th></tr>
<tr><td>HW</td><td>Name &Category of HW</td><td>Quantity of HW generation (MTD/ KLD/</td><td>Quantity of HW generation (MTD/ KLD/ MTA/KLA)</td><td>Quantity of input HW in case of Recycling/Utilization/pre-processing</td><td>Quantity ofproduct produced case of Recycling/Utilization/pre-processing/co-</td></tr>
</table>
</td></tr>
</table>

<table>
<tr><th>Sl. No.</th><th>Particulars</th><th>Status/details</th></tr>
<tr><td></td><td>I,II& III.</td><td>
<table>
<tr><td></td><td></td><td>observation</td><td>consented product</td><td>KLD/MTA/KLA).</td><td>MTA/KLA)</td></tr>
<tr><td>(1)</td><td>(2)</td><td>(3)</td><td>(4)</td><td>(5)</td><td>(6)</td></tr>
<tr><td>As per Schedule I</td><td>NA</td><td>NA</td><td>NA</td><td>NA</td><td>NA</td></tr>
<tr><td>As per Schedule II</td><td>NA</td><td>NA</td><td>NA</td><td>NA</td><td>NA</td></tr>
<tr><td>As per Schedule III</td><td>NA</td><td>NA</td><td>NA</td><td>NA</td><td>NA</td></tr>
</table>
</td></tr>
<tr><td>13.</td><td>Captive Recycling /Utilization/ Incineration/ Secured Landfill facility details</td><td>No
If yes, please specify details of such facilities including compliance details as per the Rules and CPCB guidelines:</td></tr>
<tr><td>14.</td><td>Details of HW storage, quantity of HW stored and period of storage</td><td>
<table>
<tr><td>1.Storage facility details and capacity:</td><td>Lined/unlined with capacity:Used Oil in MS drums under covered shed.
Covered and safefrom rain water intrusion with capacity:Yes</td></tr>
</table>
2.Details of HW stored:
Table-2
<table>
<tr><td>Sl. No.</td><td>Name &category of HW (as per column (2) of Table 1)</td><td>Actual HW generated in tone in the previous financial year</td><td>Previous stock (in tone) stored in storage shed (at the beginning of previous financial year</td><td>Total Balance Quantity (in tone) (Column 9+10)</td><td>Actual quantity (in tone) found stored on the day of inspection</td><td>Latest date of transfer of HW to authorized recycler/ co-processor/ TSDF/etc.</td></tr>
<tr><td>(7)</td><td>(8)</td><td>(9)</td><td>(10)</td><td>(11)</td><td>(12)</td><td>(13)</td></tr>
<tr><td>1.</td><td>NA</td><td>NA</td><td>NA</td><td>NA</td><td>NA</td><td>NA</td></tr>
</table>
3.Comments on whether HW is being sent to authorized Recycler/Co-processor/TSDF/etc.:
NA at present.
</td></tr>
<tr><td>15.</td><td>Categories and quantity of HW sent to authorized actual user/common TSDF</td><td>1. Details of the authorized actual user*/common TSDF, as applicable, whom HW sent: NA.
Table -3
<u>Details of authorized actual user and TSDF</u>
<table>
<tr><td>Sr. No</td><td>Name & address of the authorized common TSDF/ Actual User*</td><td>Name of SPCB/PCC who granted authorization to the authorized TSDF/ Actual User* and authorization no. with its validity</td><td>Activities for which authorization granted to the authorized TSDF/Actual User* (Specify among Transportation/ Recycling /Utilization/ Pre-processing/Co-processing/ Incineration/ Secured) landfilling)</td><td>Name of categories of HW for which authorization granted to the authorized TSDF/ Actual User*</td></tr>
<tr><td>(14)</td><td>(15)</td><td>(16)</td><td>(17)</td><td>(18)</td></tr>
<tr><td>1.</td><td>NA</td><td>NA</td><td>NA</td><td>NA</td></tr>
</table>
*Actual user includes occupier who procures and processes HW for reuse, recycling, recovery, pre-processing, utilization including co-processing.
2. Details of HW sent to the authorized actual user and TSDF, as applicable, since previous</td></tr>
</table>

<table>
<tr><th>Sl. No.</th><th>Particulars</th><th>Status/details</th></tr>
<tr><td></td><td></td><td>financial year (as per daily/annual record and manifest document Form-10).</td></tr>
<tr><td>16.</td><td>Compliance w.r.t. labeling, manifest system, records, annual return, etc.</td><td>Please make observations on the below:
1. Adequate packaging of HW: Not Applicable(NA) at present.
2. Labeling of HW containers in Form 8: NA at present.
3. Compliance of Manifest system (movement document for HW & Other Waste) as per Rule 19 of the HOWM Rules, 2016): NA at present.
4. Transportation of HW only by authorized sender or receiver (as per rule 18(7)): NA at present.
5. NOC from the concerned SPCB/PCC if HW are sent for disposal to other State/UT (as per rule 18(3)). NA at present.
6. Intimation to both the SPCB/PCC before handling over the waste to the transport in case HW is sent for recycling or utilization including co-processing (as per rule 18(5)): NA at present.
7. Prior intimation to SPCBs/PCCs of the State/UTs of transit in case of enters State transportation (as per rule 18(5)): NA at present.
8. Transportation of HW and compliance with Rules under Motor Vehicle Act, 1988: NA at present.
9. Daily records maintenance in Form 3: NA at present.
10. Timely submission of annual return in Form 4 to the SPCB/PCC: NA at present.</td></tr>
<tr><td>17.</td><td>Safety facilities provided at storage facility</td><td><table><tr><th>Sl. No.</th><th>Safety Facility</th></tr><tr><td>1.</td><td>Used oil in MS drumsunder covered shed.Fire extinguishers available. PPE being used by workers.</td></tr><tr><td>2.</td><td>To be provided as per Inspection Report.</td></tr></table></td></tr>
<tr><td>18.</td><td>Environmental Monitoring</td><td>Please comment on results of ground water sampling; soil sampling, stack emission monitoring conducted by SPCB/PCC or EPA notified lab in presence of SPCB/PCC officials:
To be provided on start of co-processing activities.</td></tr>
<tr><td>19.</td><td>Details of HW contaminated sites, if any, within and outside the industry premises.</td><td>Not applicable.</td></tr>
<tr><td>20.</td><td>Remarks</td><td>Please write down non-compliances, significant observations and recommendations.

1. Authorization may be granted for co-processing of Hazardous & Other Waste in accordance with the conditions mentioned in Inspection Report attached.</td></tr>
</table>

30/06/2020

(Digvijay Singh)
Asst. Scientific Officer.

30/6/2020

(S. N. Jayaswal)
Board Analyst.

Inspection report of M/s Dalmia DPS Limited, Banjari, Dist-Rohtas

1. The unit was inspected on 15.06.2020 by the undersigned along with Sri Digvijay Singh, ASO. Sri R.K. Banveer, Unit Head, Sri Binay Kumar Sandwal, Manager Environment and other officials were present during inspection. The unit was found operational.
2. The unit produces cement (PPC) by dry process without co-processing using lime stone, fly ash and gypsum as raw materials in different proportions. The manufacturing process involves collection of lime stone from mines followed by crushing and pulverization and storage in the silo. The crushed lime stone is fed in calcination pre-heater from where it is fed in the rotary kiln for cooking with pet coke to produce clinker. The clinker so produced is allowed for cooling. The cooled clinker is grinded along with fly ash and gypsum in the cement mill followed by grinding and packaging. The installed capacity of plant is 01 MMTPA (3940 MT/day).
3. The unit has four stacks attached with different units along with Air Pollution Control Devices (APCD). One stack is attached with Raw Mill Kiln along with bag house (old ESP replaced by bag house). Second stack is attached with Clinker Cooler along with ESP (upgraded). Third stack is attached with Coal Mill along with bag house. Fourth stack is attached with Cement Mill (grinding unit) with bag house (old ESP replaced by bag house). In addition with the above, unit has installed bag filters at different material handling, storage and transfer points.
4. The unit has installed Online Stack Emission Monitoring System with all aforesaid stacks and connected with CPCB Server.
5. The unit has valid consents (issued vide Board's ref. no. T-6198 and T-6197, dated-28.11.2017) for the period up to 31.05.2021 under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981.
6. The unit was formerly known as M/s Kalyanpur Cements Limited. The name of the company has been changed from M/s Kalyanpur Cements Limited to M/s Dalmia DSP Limited from 23.08.2018. A certificate of incorporation pursuant to change of name from office of the Registrar of Companies, Ministry of Corporate Affairs, Govt. of India has been submitted as evidence.
7. The unit has submitted online application (no. 3581704, dated-19.03.2020) for authorization for Pre-processing and co-processing of hazardous and other wastes under rule-6 of the Hazardous and Other

Wastes (Management and Trans-boundary Movement) Rules, 2016 for the first time along with copies of CTOs, Flow sheet etc. The unit has plan for utilization of Alternative Fuels & Raw Materials (AFR) approx. 300 MT/day subject to market availability. As per plan, installation of dedicated pre & co-processing facility shall achieve thermal substitution of 30% maximum and reduction in the overall carbon food print for cement production.

8. Co-processing is a process where waste materials are used in the manufacturing process for the purposes of energy or resource recovery or both with reduction in use of conventional fuels or raw materials or both through substitution. Co-processing in cement industry is much beneficial option for management of different kind of wastes including hazardous and other wastes. In co-processing wastes are not only destroyed at a higher temperature of up to 1450^{o}C and long residence time during which its inorganic content gets mixed with clinker and becomes parts of cement apart from using the energy content of the wastes. Apart from this, no residue is left, while in case of incineration, the residual ash requires to be landfilled as hazardous waste. The acidic gases, if any generated during co-processing gets neutralized in the large alkaline environment available within the kiln system. This process also reduces non-renewal resources requirement such as coal, lime stone etc. Thus, the utilization of wastes in cement kiln through co-processing provides a win-win option of waste disposal.

9. As per rule-9 of the Hazardous and Other Wastes (Management and Trans-boundary Movement) Rules, 2016, the utilization of hazardous and other wastes as a resource or after pre-processing for co-processing or for any other use, including within the premises of the generator (if it is not part of process), shall be carried out only after authorization from State Pollution Control Board in respect of wastes on the basis of Standard Operating Procedure (SoP) or Guidelines provided by Central Pollution Control Board.

   CPCB has prepared guidelines for pre-processing and co-processing of Hazardous and Other Wastes in cement plant in compliance with the Hazardous and Other Wastes (Management and Trans-boundary Movement) Rules, 2016.

   As per rule-9 (3) of the aforesaid rules no trial run is required for co-processing of waste for cement plants for which guidelines by CPCB are already available. Actual users also have to ensure compliance to

the standards notified under the Environment (Protection) Act, 1986 for cement plant with respect to co-processing of waste.

10. MoEF&CC, Govt. of India has notified standards with respect to emission, service waste water (with co-processing of waste) and storm water for cement plants with co-processing of waste vide G.S.R.-497(E), dated-10.05.2016.

In view of the above, authorization may be granted for co-processing of hazardous and other wastes with following conditions:-

A. General conditions of authorization:

1. The authorized person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
2. The authorization or its renewal shall be produced for inspection at the request of an officer authorized by the State Pollution Control Board.
3. The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorization.
4. Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorization.
5. The person authorized shall implement Emergency Response Procedure (ERP) for which this authorization is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time;
6. The person authorized shall comply with the provisions outlined in the Central Pollution Control Board guidelines on "Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty".
7. It is the duty of the authorized person to take prior permission of the State Pollution Control Board to close down the facility.
8. The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
9. The record of consumption and fate of the imported hazardous and other wastes shall be maintained.

10. The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilization of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorization.
11. The importer or exporter shall bear the cost of import or export and mitigation of damages if any.
12. An application for the renewal of an authorization shall be made as laid down under these Rules.
13. Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.
14. Annual return shall be filed by June 30th for the period ensuring 31st March of the year.

B. Specific conditions of authorization:

15. The unit shall start pre-processing and co-processing of hazardous and other wastes/utilization of alternative fuels & raw materials (AFR) only after development of infrastructure/facility in accordance with the CPCB Guidelines for Pre-processing and Co-processing of hazardous and other wastes in Cement Plant in compliance with the Hazardous and Other Wastes (Management and Trans-boundary Movement) Rules, 2016. The infrastructure/facility shall include:-
    a. Weighing bridge for quantification of waste at reception place within the factory premises.
    b. Covered shed with impervious line flooring for storage of hazardous and other wastes in storage tanks/ containers/ bins of proposed capacity (900 MT).
    c. Drums/ containers/ bulkers/ tankers etc. suitable for packaging of hazardous and other wastes/ AFR.
    d. Laboratory for waste characterization/ qualification.
    e. Equipment such as shredder/ crusher/ cutter/ chipper for size reduction of hazardous and other wastes; screen for screening and granulation, impregnation; electro-magnetic separator/metal detector for sorting of metal; loader/ dumper as moving machinery for movement of wastes; belt conveyor for transportation of material to the feed points and one to another place; extractor with weigh feeders as feeding system; double slide gates as safety equipment to be utilized into feeding mechanize to avoid any bag fire due to any pressure build-up into the kiln; fume extraction system with vacuum duct connected to

scrubber/ bag filter/ VOC emission control system through carbon absorption along with suitable ID fan and stack of adequate height to control fugitive emission; fire protection system approved by safety auditor/ fire department; collection pit with impervious line for collection of spillage/ leachate collection; electrical and instrumentation fitting inconformity to the standards; provisions of emergency shower, eye wash station, personal protective equipment (safety boot, goggles, glove, mask ear plugs etc.).

16. The unit shall utilize combustible waste as fuel (Alternative Fuel) into kiln system by maintaining high temperature during clinker production.
17. The waste material shall be fed to the cement kiln though appropriate feed points, in adequate proportion and with proper waste quality and emission monitoring system. The unit may use different feeding points viz. (a) main burner at the rotary kiln outlet end (b) rotary kiln inlet end (c) pre-calciner. Appropriate feed points shall be selected according to the physical, chemical and toxicological characteristics of waste materials. Wastes of high calorific value have to be always fed into the high temperature combustion zone of the kiln. Wastes containing stable toxic component and containing >1.5% chlorine should be fed to the main burner to ensure complete combustion. Plastic waste, RDF of MSW shall be fed through pre-calciner.
18. The wastes such as bio-medical waste, asbestos containing wastes, e-Waste, entire batteries, explosive, corrosives, mineral acid wastes, radioactive wastes and unsorted municipal garbage shall not be co-processed.
19. The unit shall install Continuous Emission Monitoring System (CEMS) with the parameters PM, SO_2, NO_X in the first phase and data shall be linked with CPCB server and BSPCB dashboard. Additional emission parameters for CEMS shall be added as per the direction of the CPCB/ BSPCB from time-to-time. Other parameters shall be monitored manually once in a year and data should be submitted to BSPCB.
20. The unit shall comply with the emission standards notified by MoEF&CC, Govt. of India vide G.S.R. 497(E), dated-10.05.2016.
21. The unit shall maintain "zero discharge" of service waste water and in case, the industries prefers discharge service waste water, the unit shall comply the discharge standards (pH: 5.5-9.0, Suspended

Solid: 100 mg/L, Oil & Grease: 10 mg/L, Temperature: not more than 5^0C higher than intake water temperature).

22. The unit shall ensure that storm water is not allowed to mix with effluent, treated sewage, scrubber water and or floor washings. Strom water within battery limits of the industry shall be channelized through separate drain(s).
23. This authorization shall be applicable for handling, collection, packaging, transportation, pre-processing and co-processing of waste mix prepared from different kinds of wastes such as the once listed in the Hazardous and Other Wastes (Management and Trans-boundary Movement) Rules, 2016 and also those which are not listed like Segregated Combustible Fraction (SCF), Refused Derived Fuel (RDF) of MSW, plastic and other packaging wastes, non-hazardous industrial wastes, bio-masses (saw dust), agro wastes etc. as an Alternative Fuel and Raw Material (AFR) as listed in **Annexure-1**.

    Pre-processing shall involve only physical transformation like size reduction by shredding and cutting, separation of foreign/ undesirable materials (separation of metal through metal detector or magnetic separator, impregnation (introducing and proper mixing of bio-mass/ saw dust in semi-solid streams to soak extra flowing liquid and maintaining good flow ability) and desired size selection (screening).
24. The unit shall display details of hazardous waste (quantity, nature of hazardous waste being used in the plant, water and air emissions etc.) at the main gate on board of 6'x4' size.
25. The unit shall follow the guidelines issued by the CPCB for pre-processing & co-processing of hazardous and other wastes in cement plant.
26. The unit shall maintain a logbook of waste co-processed including emission monitoring result during co-processing.
27. The collected waste shall be suitably pre-processed for co-processing.
28. The unit shall maintain a record of hazardous waste and other waste handled in Form-3 and shall submit annual return in Form-4 to this Board on or before 30th June of every year.
29. The unit shall not store the hazardous waste in the premises for a period of more than 90 days provided the board has extended the said period.

30. The unit shall ensure that no damage is caused to environment during collection, storage & transportation of its HW.
31. The unit shall ensure that HW are packaged in a suitable manner for safe handling, storage, transport and labelled as per Form-8 of the rule.
32. The unit shall provide relevant information regarding hazardous nature of waste and majors to be taken in case of an emergency in Form-9 to the transporter.
33. The unit shall maintain the manifest system (movement document) for the movement of HW within the country in Form-10 of the rule.
34. The sender shall intimate the State Board of the destination & transit State Board in compliance with rule-18 (4 & 5) in addition with this Board for transportation of hazardous waste for co-processing.
35. The unit shall maintain the records of hazardous and other wastes purchased in a passbook issued by BSPCB along with authorization.
36. The unit shall comply the provisions of the Hazardous and Other Wastes (Management and Trans-boundary Movement) Rules, 2016 as operator, co-processor facility.

30/06/20

(Digvijay Singh)
ASO

30/6/2020

(S.N. Jayaswal)
Board Analyst

Annexure-1

Details of Authorization

Sl. No.	Category of Hazardous Waste as per Schedule I, II & III of these rules.	Authorized mode of disposal or recycling or utilization or co-processing, etc.	Quantity (ton/annum)
1.	Wastes or residues containing oil (HW cat. no. 5.2, Schedule I)	Co-processing	10
2.	Tarry residues & still bottoms from distillation (HW cat. no. 1.2, Schedule I)	Co-processing	500
3.	Oily sludge emulsion (HW cat. no. 1.3, 4.1, Schedule I)	Co-processing	3400
4.	Sludge containing oil (HW cat. no. 2.2, Schedule I)	Co-processing	1000
5.	Spent catalyst (HW cat. no. 4.2, Schedule I)	Co-processing	5000
6.	Organic residues from process (HW cat. no. 4.4, Schedule I)	Co-processing	500
7.	Distillation residues (HW cat. no. 20.3, Schedule I)	Co-processing	3000
8.	Process wastes, residues and sludges (HW cat. no. 21.1, Schedule I)	Co-processing	1000
9.	Process wastes (HW cat. no. 22.2, Schedule I)	Co-processing	2000
10.	Spent ion exchange resign containing toxic metal (HW cat. no. 35.2, Schedule I)	Co-processing	100
11.	Chemical sludge from waste water treatment (ETP, CETP) (HW cat. no. 35.3, Schedule I)	Co-processing	500
12.	Chromium bearing residues and sludge (HW cat. no. 30.1, Schedule I)	Co-processing	1000
13.	Other residues from processing of zinc ash from skimming (HW cat. no. 6.3, Schedule I)	Co-processing	300
14.	Any process or distillation residues compounds/solvents (HW cat. no. 36.1, Schedule I)	Co-processing	300
15.	Oil and grease skimming (HW cat. no. 35.4, Schedule I)	Co-processing	300

16.	Spent catalyst (HW cat. no. 17.2, 18.1, 19.2, 21.2, 22.1, 26.5, 29.5, Schedule I)	Co-processing	1000
17.	Contaminated cotton rags or other cleaning materials (HW cat. no. 33.2, Schedule I)	Co-processing	500
18.	Chemical containing residues arising from de-contamination (HW cat. no. 34.1, Schedule I)	Co-processing	50
19.	Sludge from treatment of waste water arising out of cleaning/disposal of barrels/containers (HW cat. no. 34.2, Schedule I)	Co-processing	50
20.	Used/spent oil (HW cat. no. 5.1, Schedule I)	Co-processing	200
21.	Spent clay containing oil (HW cat. no. 4.5, Schedule I)	Co-processing	500
22.	Spent carbon (HW cat. no. 28.3, Schedule I)	Co-processing	500
23.	Other waste viz. SCF, RDF (Sorted MSW, plastic waste, bio-mass, agro waste, etc.	Pre-processing & Co-processing	82086
		Total	**103796**

ANNEXURE-D

BIHAR STATE POLLUTION CONTROL BOARD

PARIVESH BHAWAN, PLOT NO. NS-B/2,
PALIPUTRA INDUSTRIAL AREA,

PATLIPUTRA, Patna ⓟ 800 010.

EMISSION CONSENT ORDER

With reference to the application no 4706978 , dated : 2021-05-08 07:05:53.384 of M/s DALMIA DSP LIMITED, At- BANJARI, ROHTAS, BIHAR, P.O. BANJARI, P.S. ROHTAS, District ROHTAS, located at FLAT NO 1 ANUPAM APARTMENT Dist- NEW DELHI. for Emission Consent Order (Consent to Operate) under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981, submitted through the Board's online auto- renewal system, he/they is/are granted Consent for renewal of the previous Emission Consent Order No T-6197 & T-6198, dated : 2021-04-20 09:46:35.155 . for a further period from Tue Jun 01 00:00:00 IST 2021 to Mon Jun 01 00:00:00 IST 2026. subject to his/their 'Undertaking' and 'Conditions' as given below:-

- : UNDERTAKING : -

i. That he/they complied with all the conditions imposed in the Emission Consent Order referred above ;
ii. That information provided in this application are correct ;
iii. That he/they shall comply with the provisions of the Air (Prevention & Control of Pollution) Act,

1981 and the directions given by the Central Pollution Control Board or Bihar State Pollution Control Board from time to time in pith and spirit; and

iv. That he/they did not make any alteration, addition, deletion or modification in the plant/process/product prior to submitting this application for renewal of consent.

AND

- : CONDITIONS: -

1. That, this consent order shall be subject to the same conditions which were imposed in the previous emission consent order, referred above

2. That, this consent order is for the operation of the industrial plant to operate at a maximum production Capacity of 2739

3. That, he/they shall not make any alteration, addition, deletion or modification in the plant without the prior clearance from the Board and shall also abide by the obligations under sections 22,23 and 31A of the Air (Prevention & Control of Pollution) Act, 1981 and further shall extend co-operation to the Board in performing its functions entrusted under sections 24, 25 and 26 of the Act;

4. That, he /they shall comply with the requirements of Rule 14 of the Environment (Protection) Rules, 1986; Rules 4, 6, 8, 9, 12, 13, 17, 18, 19, 20, 22 and 23 of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules 2016; Rules 4, 5, 7, 8, 10, 11, 12, 13, 14, 15, 17 and 18 of the Manufacture, Storage and Import of Hazardous Chemical Rules,1989; and the provisions of the Public Liability Insurance Act, 1991, whichever is applicable;

5. That, he/they shall monitor his/their emission(s) and the ambient air quality from representative point regularly and shall maintain its quality in conformity with Board standards and shall produce its proof, as and when asked for;

6. That, he/they shall submit renewal application for consent before 30 days of the date of expiration of the previous consent from the same login ID;

7. That, they shall deposit the balance consent fee, if any found due at any stage because of increase

in investment cost/capital investment of the unit at any later stage;

8. That, the unit shall operate and maintain their pollution control devices/measures and energy meter regularly and effectively and should conform all applicable parameters of environmental pollutants within standards/norms as prescribed under the Environment (Protection) Rules, 1986 and as amended;

9. That they shall maintain logbook (whichever applicable, if any) for operation of air pollution control devices for the record;

10. That, they shall install online continuous emission monitoring system if required as per the direction of CPCB/BSPCB issued from time-to-time in this regard and will connect the same to transfer data with the servers of CPCB and BSPCB;

11. That, the environmental statement for each financial year ending 31 st Sept. in Form-V as is amended to be submitted by the proponent to the Board as prescribed in the Environment (Protection) Rules, 1986;

12. That, they shall make provisions for display of data outside main factory gate about quantity and quality of water discharge and air emission along with name & address of the unit, validity of consent order and solid waste generated within the factory premises;

13. That, notwithstand anything stated above, the unit proponent shall abide by all the provisions of the environmental laws including policies and guidelines made thereunder; and

14. That, in the event of any information document submitted by the proponent found false or misleading at any stage, this consent shall be revoked followed by all necessary legal action(s) including applicable environmental compensation.

To
SUNIL KUMAR GUPTA
FLAT NO 1 ANUPAM APARTMENT
NEW DELHI
110017

(This is computer generated certificate and no need of signature)

Note:-

1. The Board shall at any time cause the unit inspected to verify the self-declaration & compliance of the unit to the consent conditions, direction (if any) & rules & regulation as may be applicable.

2. All correspondences from this Board shall be done through OCMMS. So, the occupier/ applicant is requested to keep himself updated through the application number in the ocmms system.

3. No postal/off-line correspondence shall be done for any of the matters henceforth from this Board

4. No offline correspondence shall be accepted.

BIHAR STATE POLLUTION CONTROL BOARD

PARIVESH BHAWAN, PLOT NO. NS-B/2, PALIPUTRA INDUSTRIAL AREA,

PATLIPUTRA, Patna 800 010.

DISCHARGE CONSENT ORDER

With reference to the application no 4706978, dated : 2021-05-08 07:05:53.384 of M/s DALMIA DSP LIMITED,At- BANJARI, ROHTAS, BIHAR, P.O. BANJARI, P.S. ROHTAS, District ROHTAS, located at %=occAddress%> Dist- NEW DELHI. for Discharge Consent Order (Consent to Operate) under Section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974, submitted through the Boards online auto-renewal system, he/they is/are granted Consent for renewal of the previous Discharge Consent Order No T-6197 & T-6198, dated 2021-04-20 09:46:35.155. for a further period from Tue Jun 01 00:00:00 IST 2021 to Mon Jun 01 00:00:00 IST 2026. subject to his/their 'Undertaking' and 'Conditions' as given below:-

- : UNDERTAKING : -

i. That he/they complied with all the conditions imposed in the Discharge Consent Order referred above;
ii. That information provided in this application are correct;
iii. That he/they shall comply with the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and the directions given by the Central Pollution Control Board or Bihar State Pollution Control Board from time to time in pith and spirit; and
iv. That he/they did not make any alteration, addition, deletion or modification in the plant/process/product prior to submitting this application for renewal of consent.

AND

- : CONDITIONS: -

1. That, this consent order shall be subject to the same conditions which were imposed in the previous discharge consent order, referred above

2. That, this consent order is for the operation of the industrial plant to operate at a maximum production Capacity of 2739

3. That, he/they shall not make any alteration, addition, deletion or modification in the plant without the prior clearance from the Board and shall also abide by the obligations under sections 24,31 and 33A of the Water (Prevention & Control of Pollution) Act,1974 and further shall extend co- operation to the Board in performing its functions entrusted under sections 20,21,23,30 and 32 of the Act;

4. That, he /they shall comply with the requirements of Rule 14 of the Environment (Protection) Rules, 1986; Rules 4, 6, 8, 9, 12, 13, 17, 18, 19, 20, 22 and 23 of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules 2016; Rules 4,5,7,8,10,11,12,13,14,15,17 and 18 of the Manufacture, Storage and Import of Hazardous Chemical Rules,1989; and the provisions of the Public Liability Insurance Act, 1991, whichever is applicable;

5. TThat, he/they shall monitor his/their effluent(s) regularly and maintain its quality in conformity with Boards standards and shall produce its proof, as and when asked for;

6. That, he/they shall submit renewal application for consent before 30 days of the date of expiration of the consent from the same login ID;

7. That, they shall deposit the balance consent fee, if any found due at any stage because of increase in investment cost/capital investment of the unit at any later stage;

8. That, the unit shall operate and maintain their pollution control devices/measures/ETP/STP with energy meter regularly and effectively and should conform all applicable parameters of environmental pollutants within standards/norms as prescribed under the Environment (Protection) Rules, 1986 and as amended;

9. That they shall maintain logbook (whichever applicable, if any) for operation of ETP/STP/control devices for the record;

10. That, they shall provide adequate facilities for treatment of effluent generated, if any industrial wastewater is generated and make effort to re-use treated effluent to maintain Zero Liquid Discharge from the plant premises and water consumption shall be reduced by adopting 3 Rs (reduce, reuse and recycle) concept;

11. That, they shall install online continuous effluent monitoring system, if required, as per the direction of CPCB/BSPCB issued from time-to-time in this regard and will connect the same to transfer data with the servers of CPCB and BSPCB;

12. That, the environmental statement for each financial year ending 31 st Sept. in Form-V as is amended to be submitted by the proponent to the Board as prescribed in the Environment (Protection) Rules, 1986;

13. That, they shall make provisions for display of data outside main factory gate about quantity and quality of water discharge and air emission along with name & address of the unit, validity of consent order and solid waste generated within the factory premises;

14. That, notwithstand anything stated above, the units proponent shall abide by all the provisions of the environmental laws including policies and guidelines made thereunder; and

15. That, in the event of any information/document submitted by the proponent found false or misleading at any stage, this consent shall be revoked followed by all necessary legal action(s) including applicable environmental compensation.

To
SUNIL KUMAR GUPTA
FLAT NO 1 ANUPAM APARTMENT

NEW DELHI
110017

(This is computer generated certificate and no need of signature)

Note:-

1. The Board shall at any time cause the unit inspected to verify the self-declaration & compliance of the unit to the consent conditions, direction (if any) & rules & regulation as may be applicable.

2. All correspondences from this Board shall be done through OCMMS. So, the occupier/ applicant is requested to keep himself updated through the application number in the ocmms system.

3. No postal/off-line correspondence shall be done for any of the matters henceforth from this Board

4. No offline correspondence shall be accepted.

ANNEXURE-E

BIHAR STATE POLLUTION CONTROL BOARD

PARIVESH BHAWAN, PLOT NO. NS-B/2, PALIPUTRA INDUSTRIAL AREA,
PATLIPUTRA, Patna – 800 010

Ref. No.:-

Patna, dated:-

'CONSENT-TO-ESTABLISH' (NOC)

UNDER SECTIONS 25/26 OF THE WATER (PREVENATION AND CONTROL OF POLLUTION) ACT, 1974 AND 21 OF THE AIR (PREVENTION AND CONTROL OF POLLUTION) ACT, 1981

REFERENCE:

(i) Name and address of the Proponent: Sri Sunil Kumar Gupta, M/s Dalmia DSP Ltd., At & P.O.-Banjari, Dist-Rohtas; and

(ii) Online application No. ER428N017734/4042966 dated 05.01.2021 of the proponent to establish 'Waste Heat Recovery Boiler to Generate Captive Power' in existing cement plant M/s Dalmia DSP Ltd., At & P.O.-Banjari, Dist-Rohtas, Plot No-3, Khata No.-99, Dist-Rohtas for capacity:-4.58 MW.In waste heat recovery boiler (WHRB) system the exit gases from Rotary Kiln, pre-heater and Calciner will be utilized to heat the incoming feed material (in boiler) and then exhausted to the atmosphere at lower temperature level. The setting up of captive power plant employing WHRB without using any auxiliary fuel in existing cement plant does not attract the provisions of EIA Notification 2006 as per office memorandum dated 23.01.2019 of MoEF&CC (EIA Division).

AFTER CONSIDERING:

(i) The facts stated in their application;
(ii) Bihar State Pollution Control Board's Notification No. 26 dated 08.11.2003;
(iii) Provisions of the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981; and
(iv) Affidavit dated 02.03.2021 submitted online by the applicant.

NOC IN FAVOUR OF THE PROPONENT AT THE SAID SITE IS HEREBY ACCORDED SUBJECT TO THE FOLLOWING CONDITIONS:

(I) The proponent shall obtain 'Consent-to-Operate' under sections 25 & 26 of The Water (Prevention and Control of Pollution) Act, 1974 and Section 21 of The Air (Prevention and Control of Pollution) Act, 1981 prior to commissioning of the unit from Bihar State Pollution Control Board;

(II) That, the effluent (Domestic or Trade) and emission, if any, shall conform to the standard prescribed under the Rules;

(III) That, they shall comply with the provisions (whichever applicable) of the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and Rules and Notifications issued there under;

(IV) That, they shall provide adequate air pollution control devices (APCD) to meet the boiler stack emission to be within prescribed limit;

(V) That, they shall comply with and ensure emission standard as prescribed in schedule-I of the Environment (Protection) Rules, 1986 as amended to date and are as under:

Vide S.O.3305 (E) Dated 07.12.2015 & G.S.R. 96(E) Dated 29.01.2018:

Parameter	Standard
Water consumption	Shall have to meet specific water consumption upto maximum of 2.5 m^3/MWh and achieve zero waste water discharged.
Particulate Matter (PM) emission	30 mg/Nm^3
Sulphur Dioxide (SO_2) emission	100 mg/Nm^3
Oxides of Nitrogen (NOx) emission	100 mg/Nm^3
Mercury (Hg) emission	0.03 mg/Nm^3

(VI) That, the height of stack shall be of a minimum of 30 metres or, as per the formula $H=14(Q)^{0.3}$, whichever is more, where "H" is the height of stack in metres and "Q" is the maximum quantity of SO_2 expected to be emitted in kg/hr through the stack at 100 percent rated capacity of the plant and calculated as per the norms of gaseous emission;

(VII) That, they shall install continuous online (24x7) monitoring system for emission as per guideline of CPCB and they should be connected to CPCB & BSPCB server for data transfer;

(VIII) That, dust material collected in APCD shall be re-used in the kiln and it shall not be disposed off outside the campus;

(IX) That, boiler blow down shall be treated and shall be re-used in various purposes;

(X) That, they shall obtain prior permission from CGWA for installation of bore well and withdrawal of groundwater; if groundwater requirement is ≥ 10 KLD;

(XI) That, water meter conforming to ISO standards shall be installed at the intel point of water uptake as well as at all necessary points to monitor the daily water consumption. Use of water efficient devices/fixtures and appliance should be promoted;

(XII) That, storm water shall not be allowed to mix with effluent, treated sewage, scrubber water and/or floor washings etc;

(XIII) That, they shall submit exclusive layout drainage map of surface run-off water, industrial waste water (if any) and domestic wastewater with indication of their source and discharge points;

(XIV) That, they should ensure good housekeeping including road dust collection, regular mechanical sweeping, water sprinkling etc and maintain a log book in this regard;

(XV) That, diesel generating sets (DG Sets), if any; as source of backup power should be provided with an integral acoustic enclosure and the maximum permissible sound pressure level for new D.G. set shall be 75 dB(A) at 1 meter from the enclosure surface. The height of exhaust of DG sets should be as: Exhaust Stack Height formula:- (Ht of Building in meter + $0.2\sqrt{KVA}$) m; it should be installed on pucca base with anti vibration pads;

(XVI) That, they shall ensure all possible measures to be implemented to control noise pollution and the ambient noise levels should conform to the standards prescribed under the Noise Pollution (Regulation and Control) Rules, 2000, as amended to date viz. 75 dB(A) during day time and 70 dB (A) during night time;

(XVII) That, massive tree plantation shall be done to improve ecology of the surroundings specially to minimize fugitive dust in the ambient air;

(XVIII) That, the Environmental Statement as prescribed in the E (P) Rules, 1986 [see rule 14] for the each financial year ending the 31st March, shall be submitted by the month of September every year;

(XIX) That, they shall comply with the provisions (whichever applicable) of the Solid Waste Management Rules, 2016. Separate wet and dry bins must be provided and segregation of dry waste (in blue bin), wet waste (in green bin) and domestic hazardous waste (in black bin) must be ensure; wet waste must be composted inside the premises and dry & domestic hazardous waste shall be handed over to the local body. Non-biodegradable waste and dry waste like rejected corrugated cardboard; waste paper etc may be handed over to the recyclers registered with Bihar State Pollution Control Board;

(XX) That, this Consent-to-Operate (CTO) should not be construed as exemption from obtaining necessary NOC/permission from any other Government agencies and it is confined to matters arising out of the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981;

(XXI) That, in compliance of direction of the Hon'ble Supreme Court and vide Board's HQ ref no. 2638, dated 09.07.2019, they shall make provisions for display of data outside main factory gate about quantity and quality of water discharge and air emission along with solid waste generated within the factory premises;

(XXII) That, notwithstand any thing stated above, the applicant unit shall abide by all the provisions of the environmental laws including policies and guidelines made there under; and

(XXIII) That, this CTE (NOC) is granted on basis of undertaking/documet up-loaded by the applicant and it is subject to the condition that in the event of any information/documents submitted by the proponent are found false or misleading at any stage, the NOC granted, shall be revoked at proponent's risk and cost and legal action shall be initiated.

NOTE:

1. Bihar State Pollution Control Board reserves the option to revise or add other conditions, if necessary, for protection of Environment in general and for Pollution Control in particular;
2. The present NOC should not be construed as an assurance for the grant of 'Consent-to-Operate' the proposed project but shall be subject to compliance of all the conditions indicated above; and
3. The NOC, granted, shall be valid for a period of one year from the date of issue.

Sd/-
(S. Chandrasekar)
Member Secretary

Memo No.:- 582 **Patna, dated:-** 19.3.2021

Copy forwarded to Sri Sunil Kumar Gupta, M/s Dalmia DSP Ltd., At & P.O.-Banjari, Dist-Rohtas for favour of information and necessary action.

19/3/21
(S. Chandrasekar)
Member Secretary

ANNEXURE-F

BIHAR STATE POLLUTION CONTROL BOARD

PARIVESH BHAWAN, PLOT NO. NS-B/2, PALIPUTRA INDUSTRIAL AREA,
PATLIPUTRA, Patna–800 010

Ref. No.- 1329. Patna, Dated- 02-5-2022

EMISSION CONSENT ORDER

With reference to the on-line application ID: 5803141 dated 21.02.2022, CTE dated 19.03.2021 and undertaking for CTO dated 21.02.2022 of M/s Dalmia DSP Ltd., At & P.O.-Banjari, Dist-Rohtas for consent under sections 21 of the Air (Prevention & Control of Pollution) Act,1981, he/they is/are granted consent to operate his/their 'Waste Heat Recovery Boiler to Generate Captive Power' in the existing cement plant At & P.O.-Banjari, Dist-Rohtas for capacity-4.58 MW for the period of five years from the date of issue with the following conditions:-

1 That, he/they shall not make any alteration, addition, deletion or modification in the plant without the prior clearance from the Board and shall also abide by the obligations under sections 22, 23 and 31A of the Air(Prevention & Control of Pollution) Act, 1981 and further shall extend co-operation to the Board in performing its functions entrusted under sections 24, 25 and 26 of the Act ;

2 That, he /they shall comply with the requirements of rule 14 of the Environment (Protection) Rules, 1986; Rules 4, 5, 7, 9, 10 and 11 of the Hazardous Wastes (Management and Handling), Rules 1989; Rules 4, 5, 7, 8, 10, 11, 12, 13, 15, 17 and 18 of the Manufacture, Storage and Import of Hazardous Chemical Rules,1989, and the provisions of the Public Liability Insurance Act, 1991, whichever is applicable;

3 That, he/they shall monitor his/their emission(s) and the ambient air quality from representative point regularly and shall maintain its quality in conformity with Board's standards and shall produce its proof, as and when asked for;

4 That, he/they shall submit application for consent before 30 days before the date of expiration of the consent or within 30 days from the date of receipt of this order, whichever is applicable;

5 That, they shall maintain the minimum height of stack up to 30m from ground level with flue gas sampling provision;

6 That, they shall submit stack monitoring & AAQ (including noise) reports half yearly to the Board;

7 That, continuous online emission monitoring system should be operative and maintained properly with connectivity of data transfer on CPCB/BSPCB server;

8 That, all air pollution control facilities provided (Wet scrubber, Bag filters etc) should be operative regularly and maintained properly and they shall ensure emission of particulate matter as prescribed under the Rules;

9 That, approach road inside the campus should be dust free. Fugitive dust emission should not be observed due to movement of heavy vehicles on this road and they shall take appropriate action to improve approach road condition and submit a report to the Board within 3 months.

10 That, all roads/vehicular movement areas at the site should be pucca/stabilized with stone aggregates and regular sweeping & sprinkling of water to be ensure so that no dust is generated with vehicular movement;

11 That, they shall improve housekeeping of inside area of the campus;

12 That, diesel generating sets (DG Sets), if any as source of backup power should be provided with an integral acoustic enclosure and the maximum permissible sound pressure level for new D.G. set shall be 75 dB(A) at 1 meter from the enclosure surface. The height of exhaust of DG sets should be as Exhaust Stack Height

formula:- (Ht of Building in meter + 0.2√KVA) m; it should be installed on pucca base with anti vibration pads;

13 That, they shall ensure all possible measures to be implemented to control noise pollution and the ambient noise levels should conform to the standards prescribed under the Noise Pollution (Regulation and Control) Rules, 2000, as amended to date viz. 75 dB(A) during day time and 70 dB (A) during night time;

14 That, they shall ensure unit operations are carried out with minimal noise disturbance to the surrounding environment, good housekeeping is maintained in the premises, good cleaning and work practices are maintained;

15 That, the environmental statement for each financial year ending 31st September in Form-V as is amended to be submitted by the proponent to the Board as prescribed in the Environment (Protection) Rules, 1986.

16 That, Tree Plantation all around the campus shall be kept maintained;

17 That, they shall make provisions for display of data outside main factory gate about quantity and quality of water discharge and air emission along with solid waste generated within the factory premises;

18 That, over all compliance report of CTE/CTO condition shall be submitted half yearly to the Board;

19 That, notwithstand any thing stated above, the applicant unit shall abide by all the provisions of the environmental laws including policies and guidelines made there under; and

20 That, this CTO is granted on basis of undertaking up-loaded by the applicant and it is subject to the condition that in the event of any information/documents submitted by the proponent are found false or misleading at any stage, the CTO granted, shall be revoked and legal action shall be initiated.

To
Sri Sunil Kumar Gupta, Director,
M/s Dalmia DSP Ltd.,
At & P.O.-Banjari,
Dist-Rohtas.

02/5/17

(S. Chandrasekar)
Member Secretary

ANNEXURE-G

BIHAR STATE POLLUTION CONTROL BOARD

PARIVESH BHAWAN, PLOT NO. NS-B/2, PALIPUTRA INDUSTRIAL AREA,
PATLIPUTRA, Patna – 800 010

Ref. No.:-

Patna, dated:-

'CONSENT-TO-ESTABLISH' (NOC)

UNDER SECTIONS 25/26 OF THE WATER (PREVENATION AND CONTROL OF POLLUTION) ACT, 1974 AND 21 OF THE AIR (PREVENTION AND CONTROL OF POLLUTION) ACT, 1981

REFERENCE:

(i) Name and address of the Proponent: Sri Subbaraidu Ayyagari, Unit Head and Authorized Signatory, M/s Dalmia DSP Ltd., At & P.O.-Banjari, Dist-Rohtas; and

(ii) Online application No. 5677302 dated 22.01.2022 of the proponent to increase capacity of Clinker (0.70 Million TPA to 1.1 Million TPA) and Cement (1.15 Million TPA to 1.70 Million TPA) by process optimization/up-gradation along with installation of Waste Heat Recovery System (4.58 MW) in the existing cement plant: M/s Dalmia DSP Ltd., At & P.O.-Banjari, Dist-Rohtas on the basis of 'No Increase of Pollution Load' in light of the notification dated 02.03.2021 of MoEFCC, New Delhi.

AFTER CONSIDERING:

(i) The facts stated in their application;

(ii) Bihar State Pollution Control Board's Notification No. 26 dated 08.11.2003;

(iii) Provisions of the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981; and

(iv) Copy of Environmental Clearance (EC) obtained from authority of MoEFCC for capacity expansion of cement plant from 1.0 Million TPA to 1.15 Million TPA with captive power plant (15 MW) vide ref. no.J-11011/366/20I11-IA-II(I) dated09.03,2016, Notification of MoEFCC, New Delhi dated 02.03.2021 regarding exemption from EC on the basis of 'No Increase in Pollution Load', minutes of the meeting dated 31.12.2021 of expert committee constituted vide Board's order no.-166 dated 27.12.2021 and other related document submitted by the applicant.

NOC IN FAVOUR OF THE PROPONENT AT THE SAID SITE IS HEREBY ACCORDED SUBJECT TO THE FOLLOWING CONDITIONS:

(I) The proponent shall obtain 'Consent-to-Operate' under sections 25 & 26 of The Water (Prevention and Control of Pollution) Act, 1974 and Section 21 of The Air (Prevention and Control of Pollution) Act, 1981 prior to commissioning of expansion project of the existing plant from Bihar State Pollution Control Board;

(II) That, the effluent (Domestic or Trade) and emission, if any, shall conform to the standard prescribed under the Rules;

(III) That, they shall comply with the provisions (whichever applicable) of the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of

Pollution) Act, 1981, the Environment (Protection) Act, 1986 and Rules and Notifications issued there under;

(IV) That, they shall maintain 'No Increase in Pollution Load' as proposed and submit comparative study of the generated pollution load both for existing and after execution of proposed project on yearly basis and report shall be submitted accordingly;

(V) That, they shall comply with the conditions as recommended by expert committee constituted which are as under:

a) Restrict clinker production (0.70 Million TPA to 1.1 Million TPA) & Cement (1.15 Million TPA to 1.70 Million TPA).
b) Ensure regular connectivity of OCEMS (24x7) installed with stack attached with boiler;
c) Explore development of more plantations; if it is not accordance with Environmental Clearance (EC) conditions.
d) Ensure install STP of 150 KLD capacity for treatment and disposal of domestic waste water/ sewage.
e) Reduce total fuel & feed stock consumption from 223815 TPA (Pet coke as feedstock: 107815+coal as fuel: 116000) to 185000 TPA (Pet coke as feedstock: 48517+coal as fuel: 33265+ alternative fuel including hazardous waste as co-processing:103218) to reduce CO_2 emission.
f) Maintain emission level (PM, SO_2, NOx and other parameters) in compliance with emission standards notified under the E (P) Rules, 1986 as amended.
g) Ensure regularly monitor of ambient air quality around the plant and compliance of National Ambient Air Quality standards.
h) That, they shall have mechanical sweepers for cleaning of dust inside the premises.
i) Ensure control of fugitive emission by storing the raw material in covered shed and closed silos and transfer of materials by way of closed conveyor belt equipped with Jet pulse bag filters at each transfer point.

(VI) That, they shall comply with and ensure emission/discharge standard as prescribed in schedule-I of the Environment (Protection) Rules, 1986 as amended to date/Notification No.-G.S.R. 497 (E) dated 10.05.2016 issued by the MoEFCC, New Delhi and are as under:

For Emission Control:

Parameter	Standard(mg/Nm^3)
Particulate Matter (PM) [Cement Plant (with co-processing), Standalone Clinker Grinding Plant or Blending Plant.]	30
SO_2	100, 700 and 1000 when pyritic sulphur in the limestone is less than 0.25%, 0.25 to 0.5% and more than 0.5% respectively

NOx	800 for rotary kiln with In Line Caliner (ILC) technology. 1000 for rotary kiln using mixed stream of ILC. Separate Line Calciner (SLC) and suspension pre-heater technology or SLC technology alone or without calciner.
HCL	10 mg/Nm^3
HF	1 mg/Nm^3
TOC	10 mg/Nm^3
Hg and its compounds	0.05 mg/Nm^3
Cd+Tl and their compounds	0.05 mg/Nm^3
Sb+As+Pb+Co+Cr+Cu+Mn+Ni+V and their compounds	0.5 mg/Nm^3
Dioxins and Furans	0.1 $ngTEQ/Nm^3$
The **height of each stack** including Clinker Grinding Plant, Coal Mill, Raw Mill, Grinding, Packaging Section, etc. shall be of a minimum of 30 metres or, as per the formula $H=14\ (Q)^{0.3}$, whichever is more, where "H" is the height of stack in metres and "Q" is the maximum quantity of SO_2 expected to be emitted in kg/hr through the stack at 100 percent rated capacity of the plant and calculated as per the norms of gaseous emission.	

Service wastewater-(without co-processing)

a) That, all efforts shall be made by the industry for 'Zero Discharge' of service wastewater. In case, the industry prefers of discharge service wastewater, the following norms shall be complied with:

Parameter	Concentration not to exceed, milligram per liter (except pH and temperature)
pH	5.5-9.0
Suspended solids	100
Oil & Grease	10
Temperature	Not more than 5^0C higher than the intake water temperature

Load or Mass based standards

Rotary kiln based plants (Particulate Matter from raw mill, kiln and pre-calciner system put together)	0.125 kg/tone of clinker

b) Storm water shall not be allowed to mix with effluent, treated sewage, scrubber water and/or floor washings.

c) Storm water within battery limits of industry shall be channelized through separate drain (s) as per natural gradient passing through high density polyethylene lined pits (s) each having holding capacity of 10 minutes (hourly average) of rainfall for its catchment area.

(VII) That, covered shed should be provided to wagon tippler (if any) for all raw materials, loading in railway wagon platform/area for finished products and for storage of all raw materials (Whichever applicable);

(VIII) That, necessary air pollution control equipments/facilities shall be provided to cement mill/slag mill/coal mill, at all transfer points, top of silos, packaging unit/line and material transfer conveyor should be closed type from outer sides to control fugitive dust emission;

(IX) That, they shall ensure installation of windscreens at required places to break up the wind flow, wetting of road inside the campus to reduce traffic dust, control of vehicle speed on sight, providing dust collection equipment at all possible points, periodical washing of construction equipment and transport vehicles to prevent fugitive emission from accumulated dust, vehicles should be covered during transportation, limitation of certain activities etc;

(X) That, online continuous emission monitoring of stack emission of cement mill & slag mill etc shall be provided, calibrated periodically, maintained properly and they should be connected to CPCB & BSPCB server for data transfer;

(XI) That, they should ensure good housekeeping including road dust collection, regular mechanical sweeping, water sprinkling etc and maintain a log book in this regard;

(XII) That, massive tree plantation shall be done to improve ecology of the surroundings specially to minimize fugitive dust in the ambient air;

(XIII) That, diesel generating sets (DG Sets), if any; as source of backup power should be provided with an integral acoustic enclosure and the maximum permissible sound pressure level for new D.G. set shall be 75 dB(A) at 1 meter from the enclosure surface. The height of exhaust of DG sets should be as: Exhaust Stack Height formula:- (Ht of Building in meter + 0.2$\sqrt{}$KVA) m; it should be installed on pucca base with anti vibration pads;

(XIV) That, they shall ensure all possible measures to be implemented to control noise pollution and the ambient noise levels should conform to the standards prescribed under the Noise Pollution (Regulation and Control) Rules, 2000, as amended to date viz. 75 dB(A) during day time and 70 dB (A) during night time;

(XV) That, they shall obtain prior permission from CGWA for installation of bore well and withdrawal of groundwater; if groundwater requirement is ≥ 10 KLD;

(XVI) That, water meter conforming to ISO standards shall be installed at the intel point of water uptake as well as at all necessary points to monitor the daily water consumption. Use of water efficient devices/fixtures and appliance should be promoted;

(XVII) That, they shall submit exclusive layout drainage map of surface run-off water, industrial waste water (if any) and domestic wastewater with indication of their source and discharge points;

(XVIII) That, solid waste shall be managed properly so that no any nuisance is created in nearby area. They should provide adequate and appropriate arrangements to store solid waste (if any) inside their industrial premises in an environmentally sound manner and shall be disposed of properly at designated place and a quarterly report containing quantity of generation, re-used, if any, and disposed, site of disposal etc shall be submitted to the Board;

(XIX) That, the Environmental Statement as prescribed in the E (P) Rules, 1986 [see rule 14] for the each financial year ending the 31st March, shall be submitted by the month of September every year;

(XX) That, they shall comply with the provisions (whichever applicable) of the Solid Waste Management Rules, 2016. Separate wet and dry bins must be provided and segregation of dry waste (in blue bin), wet waste (in green bin) and domestic hazardous waste (in black bin) must be ensure; wet waste must be composted inside the premises and dry & domestic hazardous waste shall be handed over to the local body. Non-biodegradable waste and dry waste like rejected corrugated cardboard; waste paper etc may be handed over to the recyclers registered with Bihar State Pollution Control Board;

(XXI) That, they shall abide by the provisions (whichever applicable) of The Plastic Waste Management Rules, 2016 which are as under:

(XXII) That, no waste shall throw, burn, or burry the solid waste generated, on street, open public space outside his premises or in the drain or water bodies;

(XXIII) That, they shall make provisions for display of data outside main factory gate about quantity and quality of water discharge and air emission along with solid waste generated within the factory premises;

(XXIV) That, notwithstand any thing stated above, the applicant unit shall abide by all the provisions of the environmental laws including policies and guidelines made there under; and

(XXV) That, this CTE (NOC) is granted on basis of undertaking/document up-loaded by the applicant and it is subject to the condition that in the event of any information/documents submitted by the proponent are found false or misleading at any stage, the NOC granted, shall be revoked at proponent's risk and cost and legal action shall be initiated.

NOTE:

1. Bihar State Pollution Control Board reserves the option to revise or add other conditions, if necessary, for protection of Environment in general and for Pollution Control in particular;
2. The present NOC should not be construed as an assurance for the grant of 'Consent-to-Operate' the proposed project but shall be subject to compliance of all the conditions indicated above; and
3. The NOC, granted, shall be valid for a period of one year from the date of issue.

Sd/-
(S. Chandrasekar)
Member Secretary

Memo No.:- 260 **Patna, dated:-** 25-01-2022

Copy forwarded to Sri Subbaraidu Ayyagari, Unit Head and Authorized Signatory, M/s Dalmia DSP Ltd., At & P.O.-Banjari, Dist-Rohtas for favour of information and necessary action.

24/1/22
(S. Chandrasekar)
Member Secretary

ANNEXURE-H

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BIHAR STATE POLLUTION CONTROL BOARD

PARIVESH BHAWAN, PLOT NO. NS-B/2, PALIPUTRA INDUSTRIAL AREA,
PATLIPUTRA, Patna – 800 010

Ref. No.- 1903. Patna, dated- 27.6.2022

EMISSION CONSENT ORDER

With reference to the online application no.-5930316, dated 27.03.2022 of M/s Dalmia DSP Ltd., At & P.O.-Banjari, Block-Rohtas, Dist-Rohtas for consent under sections 21 of the Air (Prevention & Control of Pollution) Act,1981 for expansion of capacity of the unit, he/they is/are granted consent to operate his/their plant for increased capacity: Clinker- from 0.7 Million Ton/year (MTPA) to 1.1 Million Ton/year (MTPA) and Cement-1.15 MTPA to 1.70 MTPA) at At & P.O.-Banjari, Block-Rohtas, Dist-Rohtas for the period of five years from the date of issue with the following conditions:-

1 That, he/they shall not make any alteration, addition, deletion or modification in the plant without the prior clearance from the Board and shall also abide by the obligations under sections 22,23 and 31A of the Air(Prevention & Control of Pollution) Act, 1981 and further shall extend co-operation to the Board in performing its functions entrusted under sections 24,25 and 26 of the Act ;

2 That, he /they shall comply with the requirements of Rule 14 of the Environment (Protection) Rules, 1986; Rules 4, 5, 7, 9, 10 and 11 of the Hazardous and Other Wastes (Management & Transboundary Movement), Rules 2016; Rules 4, 5, 7, 8, 10, 11, 12, 13, 15, 17 and 18 of the Manufacture, Storage and Import of Hazardous Chemical Rules,1989; and the provisions of the Public Liability Insurance Act, 1991, whichever is applicable;

3 That, he/they shall monitor his/their emission(s) and the ambient air quality from representative point regularly and shall maintain its quality in conformity with Board's standards and shall produce its proof, as and when asked for;

4 That, he/they shall submit application for consent again 30 days before the expiration of the period of consent or within 30 days from the date of receipt of this order, whichever is applicable;

5 That, they shall comply with and ensure emission standard as prescribed in schedule-I of the Environment (Protection) Rules, 1986 as amended to date and as **Notification G.S.R. 497 (E) Dated 10.05.2016 of MoEFCC** which copy is being attached;

6 That, they shall comply with the conditions of CTE issued by the Board on the basis of 'No Increase of Pollution Load' in light of the notification of MoEFCC and vide memo no.-260 dated 25.01.2022. Their compliance report shall be submitted to the Board on half yearly basis;

7 That, all air pollution control facilities (Bag filters/cyclone etc at various points) shall be maintained properly and they shall be operative all the time;

8 That, online continuous emission monitoring of stack emission of cement mill & slag mill shall be calibrated periodically, maintained properly and they should be connected to Bihar State Pollution Control Board (BSPCB) server for data transfer;

9 That, covered shed should be provided to area of tippler (if any) for all raw materials, loading area for finished products and for storage of all raw materials;

10 That, they shall ensure installation of windscreens at required places to break up the wind flow, wetting of road inside the campus to reduce traffic dust, control of vehicle speed on sight, providing dust collection equipment at all possible points, periodical washing of construction equipment and transport vehicles to prevent fugitive emission from accumulated dust, vehicles should be covered during transportation, limitation of certain activities etc;

11 That, they should submit an action plan to further improve the fugitive emission from several points in the plant;

12 That, they should ensure further improvement in housekeeping including road dust collection, regular sweeping, water sprinkling etc and maintain a log book in this regard;

13 That, massive tree plantation shall be done to improve ecology of the surroundings specially to minimize fugitive dust in the ambient air;

14 That, diesel generating sets (DG Sets), if any; as source of backup power should be provided with an integral acoustic enclosure and the maximum permissible sound pressure level for new D.G. set shall be 75 dB(A) at 1 meter from the enclosure surface. The height of exhaust of DG sets should be as: Exhaust Stack Height formula:- (Ht of Building in meter + $0.2\sqrt{KVA}$) m; it should be installed on pucca base with anti vibration pads;

15 That, they shall ensure all possible measures to be implemented to control noise pollution and the ambient noise levels should conform to the standards prescribed under the Noise Pollution (Regulation and Control) Rules, 2000, as amended to date viz. 75 dB(A) during day time and 70 dB (A) during night time;

16 That, they shall comply with conditions of EC obtained from the Authority in previous and report shall be submitted accordingly;

17 That, solid waste shall be managed properly so that no any nuisance is created in nearby area. They should provide adequate and appropriate arrangements to store solid waste (if any) inside their industrial premises in an environmentally sound manner and shall be disposed of properly at designated place and a quarterly report containing quantity of generation, re-used, if any and disposed, site of disposal etc shall be submitted to the Board;

18 That, they shall submit Ambient Air Quality (AAQ) report (including noise) quarterly to the Board within consent period and air quality should confirm to the prescribed standard;

19 That, the Environmental Statement as prescribed in the E (P) Rules, 1986 [see rule 14] for the each financial year ending the 31st March, shall be submitted by the month of September every year;

20 That, they shall make provisions for display of data outside main factory gate about quantity and quality of water discharge and air emission along with solid waste generated within the factory premises;

21 That, notwithstand any thing stated above, the applicant unit shall abide by all the provisions of the environmental laws including policies and guidelines made there under; and

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22 This CTO is granted subject to the condition that in the event of any information/documents submitted by the proponent are found false or misleading at any stage, the CTO granted, shall be revoked and legal action shall be initiated.

To
Sri Sunil Kumar Gupta,
Director,
M/s Dalmia DSP Ltd.,
At & P.O.-Banjari,
Dist-Rohtas.

27/6/11

(S. Chandrasekar)
Member-Secretary

MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE

NOTIFICATION

New Delhi, the 10th May, 2016

G.S.R. 497 (E). – In exercise of powers conferred by sections 6 and 25 of the Environment (Protection) Act, 1986 (29 of 1986), the Central Government hereby makes the following rules further to amend the Environment (Protection) Rules, 1986, namely :-

1. Short title and commencement - (1) These rules may be called the Environment (Protection) Third Amendment Rules, 2016.

(2) They shall come into force on the date of their publication in the Official Gazette.

2. In the Environment (Protection) Rules, 1986.-

(a) in schedule I, after serial number 10 and the entries relating thereto, the following serial number and entries shall be inserted, namely:-

"S. No.	Industry	Parameter	Standards		
(1)	(2)	(3)	(4)		
"10A.	Cement Plant with co-processing of wastes	A- Emission Standards			
		Rotary Kiln – with co-processing of Wastes			
			Date of Commissioning	Location	Concentration not to exceed, in mg/Nm^3
			(a)	(b)	(c)
		Particulate Matter (PM)*	on or after the date of notification (25.8.2014)	anywhere in the country	30
			before the date of notification (25.8.2014)	critically polluted area or urban centres with population above 1.0 lakh or within its periphery of 5.0 kilometer radius	30
				other than critically polluted area or urban centres	30
		SO_2*	irrespective of date of commissioning	anywhere in the country	100, 700 and 1000 when pyritic sulphur in the limestone is less than 0.25%, 0.25 to 0.5% and more than 0.5% respectively.
		NOx*	After the date of notification (25.8.2014)	anywhere in the country	(1) 600
			Before the date of notification	anywhere in the country	(2) 800 for rotary kiln with In Line Calciner

			(25.8.2014)	(ILC) technology. (3) 1000 for rotary kiln using mixed stream of ILC, Separate Line Calciner (SLC) and suspension pre-heater technology or SLC technology alone or without calciner.
		HCl	10 mg/Nm^3	
		HF	1 mg/Nm^3	
		TOC	10 mg/Nm^3 **	
		Hg and its compounds	0.05 mg/Nm^3	
		Cd +Tl and their compounds	0.05 mg/Nm^3	
		Sb+As+Pb+Co+Cr+Cu+Mn+Ni+V and their compounds	0.5 mg/Nm^3	
		Dioxins and Furans	0.1 ngTEQ/ Nm^3	
		Note: The abbreviations used in the Table shall mean as under: SO_2- Sulphur dioxide; NO_x - Oxides of Nitrogen; HCl – Hydrogen Chloride; HF – Hydrogen Flouride; TOC - Total Organic Carbon; Hg – Mercury; Cd – Cadmium; Tl – Thallium; Sb – Antimony; As – Arsenic; Pb – Lead; Co – Cobalt; Cr – Chromium; Cu – Copper; Mn – Manganese; Ni – Nickel; and V - Vanadium."; * The concentration values and timeline for implementation in respect of PM, SO_2 and NOx shall be governed in accordance with the provisions under notification published vide GSR No. 612 (E), dated the 25th August, 2014 and amended from time to time. **Permitting authority may prescribe separate standards on case to case basis, if Total Organic Carbon (TOC) does not result from the co-processing of waste. (a) The height of each individual stack connected to Kiln, Clinker Cooler, Cement Mill, Coal Mill, Raw Mill, Packaging section, etc. shall be of a minimum of 30 metres or, as per the formula $H = 14\ (Q1)^{0.3}$ and $H = 74\ (Q2)^{0.27}$ whichever is more, where "H" is the height of stack in metres and "Q1" is the maximum quantity of SO_2 expected to be emitted in kg/hr and "Q2" is the maximum quantity of PM expected to be emitted in tonnes/hr through the stack at 100 percent rated capacity of the plant; (b) The monitored values of SO_2, NO_x, HCl, HF, TOC, Metals and Dioxins and Furans at main kiln stack shall be corrected to 10% Oxygen, on dry basis and the norms for SO_2, NO_x, HCl, HF, TOC, Metals and Dioxins and Furans shall be applicable to main kiln stack and the norms for Particulate Matter (PM) shall be applicable to all the stacks in the plant. PM, SO_2, NO_x shall be monitored continuously. HCl, HF, TOC, Metals and Dioxins and Furans shall be monitored once in a year; (c) Scrubber meant for scrubbing emissions shall not be used as quencher and plants having separate stack for gaseous emission for the scrubbing unit, the height of this stack shall be at least equal to the main stack.		
		B- Service waste water (with co-processing of wastes) All efforts shall be made by the industry for 'zero discharge' of service wastewater and in case, the industry prefers to discharge service wastewater, the following norms shall be complied with:		
			Concentration not to exceed, milligram per litre (except pH and temperature)	
		pH	5.5 to 9.0	
		Suspended Solids	100	

		Oil and Grease	10
		Temperature	not more than 5°C higher than the intake water temperature
		C- Storm water (I) Storm-water shall not be allowed to mix with effluent, treated sewage, scrubber water and or or floor washings. (II) Storm-water within battery limits of industry shall be channelised through separate drain(s).".	

(b) in Schedule VI, under 'Part-D' relating to General Emission Standards, in item III relating to Load or Mass based standards, after serial number 10 and the entries relating thereto, the following serial number and entries shall be inserted, namely:-

(1)	(2)	(3)	(4)
"10A	Cement Plants (with co-processing)	Rotary kiln based plants (Particulate Matter from raw mill, kiln and pre-calciner system put together)	0.125 kg/ tonne of clinker.".

[F. No.- Q-15017/30/2007-CPW]
Dr. RASHID HASAN, Advisor

Note .- The principal rules were published in the Gazette of India, Extraordinary, Part II, Section 3,Sub-section (i), *vide* number S.O. 844 (E), dated the 19th November, 1986 and subsequently amended *vide* the following notifications, namely:-

S.O. 433 (E), dated the 18th April 1987; G.S.R. 176(E), dated the 2nd April, 1996; G.S.R. 97 (E), dated the 18th February, 2009; G.S.R. 149 (E), dated the 4th March , 2009; G.S.R. 543(E), dated the 22nd July,2009; G.S.R. 739 (E), dated the 9th September, 2010; G.S.R. 809(E), dated, the 4th October, 2010. G.S.R. 215 (E), dated the 15th March, 2011; G.S.R. 221(E), dated the 18th March, 2011; G.S.R. 354 (E), dated the 2nd May, 2011; G.S.R. 424 (E), dated the 1st June, 2011; G.S.R. 446 (E), dated the 13th June, 2011; G.S.R. 152 (E), dated the 16th March, 2012; G.S.R. 266(E), dated the 30th March, 2012; and G.S.R. 277 (E), dated the 31st March, 2012; and G.S.R. 820(E), dated the 9th November, 2012; G.S.R. 176 (E), dated the 18th March, 2013; G.S.R. 535(E), dated the 7th August, 2013; G.S.R. 771(E), dated the 11th December, 2013; G.S.R. 2(E), dated the 2nd January, 2014; G.S.R. 229 (E), dated the 28th March, 2014; G.S.R. 232(E), dated the 31st March, 2014; G.S.R. 325(E), dated the 07th May, 2014, G.S.R. 612, (E), dated the 25th August 2014; G.S.R. 789(E), dated the 11th November 2014; S.O. 3305(E), dated the 7th December, 2015; S.O.4(E), dated the 1st January 2016; G.S.R. 35(E), dated the 14th January 2016 and lastly amended vide notification G.S.R. 281 (E), dated the 7th March, 2016.

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BIHAR STATE POLLUTION CONTROL BOARD

PARIVESH BHAWAN, PLOT NO. NS-B/2, PALIPUTRA INDUSTRIAL AREA
PATLIPUTRA, Patna – 800 010

Ref. No.: - 1904 **Patna Dated:-** 27.6.2022

DISCHARGE CONSENT ORDER

With reference to the online application no.-5930316, dated 27.03.2022 of M/s Dalmia DSP Ltd., At & P.O.-Banjari, Block-Rohtas, Dist-Rohtas for consent under sections 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 for expansion of capacity of the unit, he/they is/are granted consent to bring into use his/their new/altered/existing outlet(s) for discharge of trade effluent and/or domestic sewage for increased capacity: Clinker- from 0.7 Million Ton/year (MTPA) to 1.1 Million Ton/year (MTPA) and Cement- 1.15 MTPA to 1.70 MTPA) At & P.O.-Banjari, Block-Rohtas, Dist-Rohtas for the period of five years from the date of issue with the following conditions:-

1 That, he/they shall not make any alteration, addition, deletion or modification in the plant without the prior clearance from the Board and shall also abide by the obligations under sections 24, 31 and 33A of the Water (Prevention & Control of Pollution) Act,1974 and further shall extend co-operation to the Board in performing its functions entrusted under sections 20, 21, 23, 30 and 32 of the Act;

2 That, he /they shall comply with the requirements of Rule 14 of the Environment (Protection) Rules, 1986; provisions (whichever applicable) of the Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016, Rules 4, 5, 7, 8, 10, 11, 12, 13, 15 and 18 of the Manufacture, Storage and Import of Hazardous Chemical Rules,1989; and the provisions of the Public Liability Insurance Act, 1991 (whichever is applicable);

3 That, he/they shall monitor his/their effluent(s) regularly and maintain its quality in conformity with Board's standards and shall produce its proof, as and when asked for;

4 That, he/they shall submit application for consent again 30 days before the expiration of the period of consent or within 30 days from the date of receipt of this order, whichever is applicable;

5 That, they shall comply with and ensure discharge standard as prescribed in schedule-I of the Environment (Protection) Rules, 1986 as amended to date and as **Notification G.S.R. 497 (E) Dated 10.05.2016 of MoEFCC** which copy is being attached;

6 That, they shall comply with the conditions of CTE issued by the Board on the basis of 'No Increase of Pollution Load' in light of the notification of MoEFCC and vide memo no.-260 dated 25.01.2022. Their compliance report shall be submitted to the Board on half yearly basis;

7 That, they shall comply with conditions of EC obtained from the Authority in previous and report shall be submitted accordingly;

8 That, they shall submit analysis report of discharge service wastewater (if any) in compliance of the above discharge standard;

9 That, they shall obtain prior permission from CGWA for installation of bore well and extraction of groundwater;

10 That, they shall ensure installation of water meter at all points of water consumption to monitor water consumption directly;

11 That, they shall submit exclusive layout drainage map of surface run-off water/service wastewater, industrial waste water (if any) and domestic wastewater with indication of their source and discharge points;

12 That, they shall comply with conditions of EC obtained from SEIAA, Bihar and CTE obtained from BSPCB;

13 That, the Environmental Statement as prescribed in the E (P) Rules, 1986 [see rule 14] for the each financial year ending the 31st March, shall be submitted by the month of September every year;

14 That, they shall make provisions for display of data outside main factory gate about quantity and quality of water discharge and air emission along with solid waste generated within the factory premises;

15 That, notwithstand any thing stated above, the applicant unit shall abide by all the provisions of the environmental laws including policies and guidelines made there under;

16 This CTO is granted subject to the condition that in the event of any information/documents submitted by the proponent are found false or misleading at any stage, the CTO granted, shall be revoked and legal action shall be initiated.

To
Sri Sunil Kumar Gupta,
Director,
M/s Dalmia DSP Ltd.,
At & P.O.-Banjari,
Dist-Rohtas.

27/6/11

(S. Chandrasekar)
Member-Secretary

ANNEXURE-I

BIHAR STATE POLLUTION CONTROL BOARD

Parivesh Bhawan, Patliputra Industrial Area, Patna–800 010
EPABX: 0612-2261250/2262265, Fax: 0612-2261050; E-mail: msbspcb-bih@gov.in, Website: http://bspcb.bihar.gov.in

FORM 2

[See rule 6(2)]

FORM FOR GRANT OR RENEWAL OF AUTHORISATION BY STATE POLLUTION CONTROL BOARD TO THE OCCUPIERS, RECYCLERS, REPROCESSORS, REUSERS, USER AND OPERATORS OF DISPOSAL FACILITIES.

1. Number of authorization and date of issue: HW/B- 213 Patna-10, dated- 24.01.2023
2. Reference of application (No. and date) : **3581696, dated-05.05.2022**
3. **M/s Dalmia Cement (Bharat) Limited,** is hereby granted an authorization based on the enclosed signed inspection report for generation, collection, reception, storage, transport, reuse, recycling, recovery, pre-processing, co-processing, utilization, treatment, disposal or any other use of hazardous or other wastes or both on the premises situated at **Rohtas Cement Works, Village Kalyanpur, P.O.-Banjari, Dist.- Rohtas, Pin-821303 (Bihar).**

Details of Authorization

Sl. No.	Category of Hazardous Waste as per Schedule I, II & III of the Hazardous and Other Wastes (Management and Trans-boundary Movement) Rules, 2016.	Authorized mode of disposal or recycling or utilization or co-processing, etc.	Quantity (ton/ annum)
1.	Wastes or residues containing oil (HW cat. no. 5.2, Schedule I)	Co-processing	-
2.	Tarry residues & still bottoms from distillation (HW cat. no. 1.2, Schedule I)	Co-processing	-
3.	Oily sludge emulsion (HW cat. no. 1.3, 4.1, Schedule I)	Co-processing	-
4.	Sludge containing oil (HW cat. no. 2.2, Schedule I)	Co-processing	-
5.	Spent catalyst (HW cat. no. 4.2, Schedule I)	Co-processing	-
6.	Organic residues from process (HW cat. no. 4.4, Schedule I)	Co-processing	-
7.	Distillation residues (HW cat. no. 20.3, Schedule I)	Co-processing	-
8.	Process wastes, residues and sludges (HW cat. no. 21.1, Schedule I)	Co-processing	-
9.	Process wastes (HW cat. no. 22.2, Schedule I)	Co-processing	-
10.	Spent ion exchange resign containing toxic metal (HW cat. no. 35.2, Schedule I)	Co-processing	-
11.	Chemical sludge from waste water treatment (ETP, CETP)/ ETP, STP, WTP, CETP from soft drink (HW cat. no. 35.3, Schedule I)	Co-processing	-
12.	Chromium bearing residues and sludge (HW cat. no. 30.1, Schedule I)	Co-processing	-
13.	Other residues from processing of zinc ash from skimming (HW cat. no. 6.3, Schedule I)	Co-processing	-
14.	Any process or distillation residues compounds/solvents (HW cat. no. 36.1, Schedule I)	Co-processing	-

15.	Oil and grease skimming (HW cat. no. 35.4, Schedule I)	Co-processing	-
16.	Spent catalyst (HW cat. no. 17.2, 18.1, 19.2, 21.2, 22.1, 26.5, 28.2, 29.5, Schedule I)	Co-processing	-
17.	Contaminated cotton rags or other cleaning materials (HW cat. no. 33.2, Schedule I)	Co-processing	-
18.	Chemical containing residues arising from de-contamination (HW cat. no. 34.1, Schedule I)	Co-processing	-
19.	Sludge from treatment of waste water arising out of cleaning/disposal of barrels/containers (HW cat. no. 34.2, Schedule I)	Co-processing	-
20.	Used/spent oil (HW cat. no. 5.1, Schedule I)	Co-processing	-
21.	Spent clay containing oil (HW cat. no. 4.5, Schedule I)	Co-processing	-
22.	Spent carbon (HW cat. no. 18.2, 28.3, Schedule I)	Co-processing	-
23.	Furnace or Reactor residue and debris (HW cat. no. 1.1, Schedule I)	Co-processing	-
24.	Organic residues (HW cat. no. 1.4, Schedule I)	Co-processing	-
25.	Residue from alkali wash of fuels (HW cat. no. 1.5, Schedule I)	Co-processing	-
26.	Spent catalyst and molecular sieves (HW cat. no. 1.6, Schedule I)	Co-processing	-
27.	Oil from wastewater treatment (HW cat. no. 1.7, Schedule I)	Co-processing	-
28.	Drill cuttings excluding those from water based mud (HW cat. no. 2.1, Schedule I)	Co-processing	-
29.	Drill mud containing Oil (HW cat. no. 2.3, Schedule I)	Co-processing	-
30.	Sludge And Filters Contaminated with Oil (HW cat. no. 3.3, Schedule I)	Co-processing	-
31.	Slop oil (HW cat. no. 4.3, Schedule I)	Co-processing	-
32.	Cathode residue including pot lining wastes (HW cat. no. 11.2, Schedule I)	Co-processing	-
33.	Tar Containing Waste (HW cat. no. 11.3, Schedule I)	Co-processing	-
34.	Phosphate Sludge (HW cat. no. 12.5, Schedule I)	Co-processing	-
35.	Plating metal sludge (HW cat. no. 12.8, Schedule I)	Co-processing	-
36.	Sludge from acid recovery unit (HW cat. no. 13.2, Schedule I)	Co-processing	-
37.	Benzol acid sludge (HW cat. no. 13.3, Schedule I)	Co-processing	-
38.	Decanter Tar Sludge (HW cat. no. 13.4, Schedule I)	Co-processing	-

39.	Contaminated aromatic, aliphatic or napthenic solvents may or may not be fit for reuse (HW cat. no. 20.1, Schedule I)	Co-processing	-
40.	Spent Solvents (HW cat. no. 20.2, 23.2, 26.4, 28.6, 29.4, Schedule I)	Co-processing	-
41.	Process Sludge (HW cat. no. 20.4, Schedule I)	Co-processing	-
42.	Wastes or residues (not made with vegetable or animal materials) (HW cat. no. 23.1, Schedule I)	Co-processing	-
43.	Process waste sludge/residues containing acid, toxic metals, organic compounds (HW cat. no. 26.1, Schedule I)	Co-processing	-
44.	Dust from air filtration system (HW cat. no. 26.2, Schedule I)	Co-processing	-
45.	Process Residue and wastes (HW cat. no. 28.1, Schedule I)	Co-processing	-
46.	Off Specification Products (HW cat. no. 28.4, Schedule I)	Co-processing	-
47.	Date-expired products (HW cat. no. 28.5, Schedule I)	Co-processing	-
48.	Process wastes or residues (HW cat. no. 29.1, Schedule I)	Co-processing	-
49.	Sludge containing residual pesticides (HW cat. no. 29.2, Schedule I)	Co-processing	-
50.	Date expired and off specification pesticides (HW cat. no. 29.3, Schedule I)	Co-processing	-
51.	Empty Barrels/chemical containers/Liners contaminated with hazardous chemical/Wastes (HW cat. no. 33.1, Schedule I)	Co-processing	-
52.	Spent Carbon or filter medium (HW cat. no. 36.2, Schedule I)	Co-processing	-
53.	Sludge from wet scrubbers (HW cat. no. 37.1, Schedule I)	Co-processing	-
54.	Concentration or evaporation residues (HW cat. no. 37.3, Schedule I)	Co-processing	-
55.	Rubber Wastes (Basel no. B3040, Part B, Schedule III)	Co-processing	-
56.	Other waste viz. Carbice llme sludge, Waste Mix Solid/ Pre-processed waste mix Solid, Waste Mix Liquid/ Pre-processed waste mix liquid, SCF, RDF (Sorted MSW, plastic waste, bio-mass, agro waste, etc.)	Pre-processing & Co-processing	-
		Total	**200000**

1) The authorization shall be valid for a period of **five years from date of issue.**
2) The authorization is subject to the following general and specific conditions (Please specify any conditions that need to be imposed over and above general conditions, if any):

A. General conditions of authorization:

1. The authorized person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.

2. The authorization or its renewal shall be produced for inspection at the request of an officer authorized by the State Pollution Control Board.
3. The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorization.
4. Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorization.
5. The person authorized shall implement Emergency Response Procedure (ERP) for which this authorization is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time;
6. The person authorized shall comply with the provisions outlined in the Central Pollution Control Board guidelines on "Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty".
7. It is the duty of the authorized person to take prior permission of the State Pollution Control Board to close down the facility.
8. The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
9. The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
10. The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilization of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorization.
11. The importer or exporter shall bear the cost of import or export and mitigation of damages if any.
12. An application for the renewal of an authorization shall be made as laid down under these Rules.
13. Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.
14. Annual return shall be filed by June 30th for the period ensuring 31st March of the year.

B. Specific conditions of authorization:

1. The unit shall start pre-processing and co-processing of hazardous and other wastes/utilization of alternative fuels & raw materials (AFR) only after development of infrastructure/facility in accordance with the CPCB Guidelines for Pre-processing and Co-processing of hazardous and other wastes in Cement Plant in compliance with the Hazardous and Other Wastes (Management and Trans-boundary Movement) Rules, 2016. The infrastructure/facility shall include:-
   a. Weighing bridge for quantification of waste at reception place within the factory premises.
   b. Covered shed with impervious line flooring for storage of hazardous and other wastes in storage tanks/ containers/ bins of capacity 2000 MT.
   c. Drums/ containers/ bulkers/ tankers etc. suitable for packaging of hazardous and other wastes/ AFR.
   d. Laboratory for waste characterization/ qualification.
   e. Equipment such as shredder/ crusher/ cutter/ chipper for size reduction of hazardous and other wastes; screen for screening and granulation, impregnation; electro-magnetic separator/metal detector for sorting of metal; loader/ dumper as moving machinery for movement of wastes; belt conveyor for transportation of material to the feed points and one to another place; extractor with weigh feeders as feeding system; double slide gates as safety equipment to be utilized into feeding mechanize to avoid any bag fire due to any pressure build-up into the kiln; fume extraction system with vacuum duct connected to scrubber/ bag filter/ VOC emission control system through carbon absorption along with suitable ID fan and stack of adequate height to control fugitive emission; fire protection system approved by safety auditor/ fire department; collection pit with impervious line for collection of spillage/

leachate collection; electrical and instrumentation fitting inconformity to the standards; provisions of emergency shower, eye wash station, personal protective equipment (safety boot, goggles, glove, mask ear plugs etc.).

2. The unit shall utilize combustible waste as fuel (Alternative Fuel) into kiln system by maintaining high temperature during clinker production.
3. The waste material shall be fed to the cement kiln though appropriate feed points, in adequate proportion and with proper waste quality and emission monitoring system. The unit may use different feeding points viz. (a) main burner at the rotary kiln outlet end (b) rotary kiln inlet end (c) pre-calciner. Appropriate feed points shall be selected according to the physical, chemical and toxicological characteristics of waste materials. Wastes of high calorific value have to be always fed into the high temperature combustion zone of the kiln. Wastes containing stable toxic component and containing >1.5% chlorine should be fed to the main burner to ensure complete combustion. Plastic waste, RDF of MSW shall be fed through pre-calciner.
4. The wastes such as bio-medical waste, asbestos containing wastes, e-Waste, entire batteries, explosive, corrosives, mineral acid wastes, radioactive wastes and unsorted municipal garbage shall not be co-processed.
5. The unit shall install Continuous Emission Monitoring System (CEMS) with the parameters PM, SO_2, NO_x in the first phase and data shall be linked with CPCB server and BSPCB dashboard. Additional emission parameters for CEMS shall be added as per the direction of the CPCB/ BSPCB from time-to-time. Other parameters shall be monitored manually once in a year and data should be submitted to BSPCB.
6. The unit shall comply with the emission standards notified by MoEF&CC, Govt. of India vide G.S.R. 497(E), dated-10.05.2016.
7. The unit shall maintain "zero discharge" of service waste water and in case, the industries prefers discharge service waste water, the unit shall comply the discharge standards (pH: 5.5-9.0, Suspended Solid: 100 mg/L, Oil & Grease: 10 mg/L, Temperature: not more than 5^0C higher than intake water temperature).
8. The unit shall ensure that storm water is not allowed to mix with effluent, treated sewage, scrubber water and or floor washings. Strom water within battery limits of the industry shall be channelized through separate drain(s).
9. This authorization shall be applicable for handling, collection, packaging, transportation, pre-processing and co-processing of waste mix prepared from different kinds of wastes such as the once listed in the Hazardous and Other Wastes (Management and Trans-boundary Movement) Rules, 2016 and also those which are not listed like Segregated Combustible Fraction (SCF), Refused Derived Fuel (RDF) of MSW, plastic and other packaging wastes, non-hazardous industrial wastes, bio-masses (saw dust), agro wastes etc. as an Alternative Fuel and Raw Material (AFR).

   Pre-processing shall involve only physical transformation like size reduction by shredding and cutting, separation of foreign/ undesirable materials (separation of metal through metal detector or magnetic separator, impregnation (introducing and proper mixing of bio-mass/ saw dust in semi-solid streams to soak extra flowing liquid and maintaining good flow ability) and desired size selection (screening).
10. The unit shall display details of hazardous waste (quantity, nature of hazardous waste being used in the plant, water and air emissions etc.) at the main gate on board of 6'x4' size.
11. The unit shall follow the guidelines issued by the CPCB for pre-processing & co-processing of hazardous and other wastes in cement plant.
12. The unit shall maintain a logbook of waste co-processed including emission monitoring result during co-processing.
13. The collected waste shall be suitably pre-processed for co-processing.

14. The unit shall maintain a record of hazardous waste and other waste handled in Form-3 and shall submit annual return in Form-4 to this Board on or before 30th June of every year.
15. The unit shall not store the hazardous waste in the premises for a period of more than 90 days provided the board has extended the said period.
16. The unit shall ensure that no damage is caused to environment during collection, storage & transportation of its HW.
17. The unit shall ensure that HW are packaged in a suitable manner for safe handling, storage, transport and labelled as per Form-8 of the rule.
18. The unit shall provide relevant information regarding hazardous nature of waste and majors to be taken in case of an emergency in Form-9 to the transporter.
19. The unit shall maintain the manifest system (movement document) for the movement of HW within the country in Form-10 of the rule.
20. The sender shall intimate the State Board of the destination & transit State Board in compliance with rule-18 (4 & 5) in addition with this Board for transportation of hazardous waste for co-processing.
21. The unit shall maintain the records of hazardous and other wastes purchased in a passbook issued by BSPCB along with authorization.
22. The unit shall comply the provisions of the Hazardous and Other Wastes (Management and Trans-boundary Movement) Rules, 2016 as operator, co-processor facility.
23. The unit shall made an application for renewal of authorization three months before the expiry of such authorization.

24/1/23

Place: Patna
Date:24.01.2023

(S. Chandrasekar)
Member Secretary.

Detailed report of M/s Dalmia Cement (Bharat) Limited, Rohtas Cement Works, Village Kalyanpur, P.O.-Banjari, Dist.- Rohtas, Pin-821303 (Bihar) formerly known as M/s Dalmia DPS Limited, P.O-Banjari, Dist.-Rohtas.

1. The unit produces cement (PPC) by dry process without co-processing using lime stone, fly ash and gypsum as raw materials in different proportions. The manufacturing process involves collection of lime stone from mines followed by crushing and pulverization and storage in the silo. The crushed lime stone is fed in calcination pre-heater from where it is fed in the rotary kiln for cooking with pet coke to produce clinker. The clinker so produced is allowed for cooling. The cooled clinker is grinded along with fly ash and gypsum in the cement mill followed by grinding and packaging. The installed Plant capacity is 1.7 MMTPA (5074 MT/day); Clinker capacity is 1.1 MMTPA; and Alternate Fuel & Raw Materials AFR capacity is 25 TPH (550 per day).
2. The unit has four stacks attached with different units along with Air Pollution Control Devices (APCD). One stack is attached with Raw Mill Kiln along with bag house (old ESP replaced by bag house). Second stack is attached with Clinker Cooler along with ESP (upgraded). Third stack is attached with Coal Mill along with bag house. Fourth stack is attached with Cement Mill (grinding unit) with bag house (old ESP replaced by bag house). In addition with the above, unit has installed bag filters at different material handling, storage and transfer points.
3. The unit has installed Online Stack Emission Monitoring System with all aforesaid stacks and connected with CPCB Server.
4. The unit has valid consents (issued vide Board's ref. no. 1530 and 1531, dated-18.10.2021) for the period up to 19.10.2026 under the provisions of Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981.
5. The unit was formerly known as M/s Dalmia DSP Limited. The name of the company has been changed from M/s Dalmia DSP Limited to M/s Dalmia Cement (Bharat) Limited from 08.12.2022. A certificate of incorporation pursuant to change of name from office of the Registrar of Companies, Ministry of Corporate Affairs, Govt. of India has been submitted as evidence.
6. The unit has submitted online application (no. 3581696, dated-05.05.2022) for amendment in authorization for Pre-processing and co-processing of hazardous and other wastes under rule-6 of the Hazardous

and Other Wastes (Management and Trans-boundary Movement) Rules, 2016 with the copies of previous HW authorization; annual returns (form-4) for the FY 2020-21; self-certified compliance reports of the conditions for discharge, emission and HW authorization; Undertaking; Emergency Responses Plan (ERP); Environment Clearance (EC); List of Equipment's (Plant & Machineries) installed at M/s. Dalmia DSP Ltd., Green Fuel Shredding & Feeding System; List of HW category to be added in the amended authorization; valid CTOs and AFR Feeding System; Flow sheet etc. The unit has utilization of Alternative Fuels & Raw Materials (AFR) approx. 550 MT/day subject to market availability. As per exiting, installed capacity of dedicated pre & co-processing facility is achieving thermal substitution of 40% maximum and reduction in the overall carbon food print for cement production.

7. Co-processing is a process where waste materials are used in the manufacturing process for the purposes of energy or resource recovery or both with reduction in use of conventional fuels or raw materials or both through substitution. Co-processing in cement industry is much beneficial option for management of different kind of wastes including hazardous and other wastes. In co-processing wastes are not only destroyed at a higher temperature of up to 1450^{O}C and long residence time during which its inorganic content gets mixed with clinker and becomes parts of cement apart from using the energy content of the wastes. Apart from this, no residue is left, while in case of incineration, the residual ash requires to be landfilled as hazardous waste. The acidic gases, if any generated during co-processing gets neutralized in the large alkaline environment available within the kiln system. This process also reduces non-renewal resources requirement such as coal, lime stone etc. Thus, the utilization of wastes in cement kiln through co-processing provides a win-win option of waste disposal.

8. As per rule-9 of the Hazardous and Other Wastes (Management and Trans-boundary Movement) Rules, 2016, the utilization of hazardous and other wastes as a resource or after pre-processing for co-processing or for any other use, including within the premises of the generator (if it is not part of process), shall be carried out only after authorization from State Pollution Control Board in respect of wastes on the basis of Standard Operating Procedure (SoP) or Guidelines provided by Central Pollution Control Board.

CPCB has prepared guidelines for pre-processing and co-processing of Hazardous and Other Wastes in cement plant in

compliance with the Hazardous and Other Wastes (Management and Trans-boundary Movement) Rules, 2016.

As per rule-9 (3) of the aforesaid rules no trial run is required for co-processing of waste for cement plants for which guidelines by CPCB are already available. Actual users also have to ensure compliance to the standards notified under the Environment (Protection) Act, 1986 for cement plant with respect to co-processing of waste.

9. MoEF&CC, Govt. of India has notified standards with respect to emission, service waste water (with co-processing of waste) and storm water for cement plants with co-processing of waste vide G.S.R.-497(E), dated-10.05.2016.

In view of the above, authorization may be amended and granted for co-processing of hazardous and other wastes with following conditions:-

A. General conditions of authorization:

1. The authorized person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
2. The authorization or its renewal shall be produced for inspection at the request of an officer authorized by the State Pollution Control Board.
3. The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorization.
4. Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorization.
5. The person authorized shall implement Emergency Response Procedure (ERP) for which this authorization is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time;
6. The person authorized shall comply with the provisions outlined in the Central Pollution Control Board guidelines on "Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty".
7. It is the duty of the authorized person to take prior permission of the State Pollution Control Board to close down the facility.

8. The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
9. The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
10. The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilization of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorization.
11. The importer or exporter shall bear the cost of import or export and mitigation of damages if any.
12. An application for the renewal of an authorization shall be made as laid down under these Rules.
13. Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.
14. Annual return shall be filed by June 30th for the period ensuring 31st March of the year.

B. Specific conditions of authorization:

1. The unit shall start pre-processing and co-processing of hazardous and other wastes/utilization of alternative fuels & raw materials (AFR) only after development of infrastructure/facility in accordance with the CPCB Guidelines for Pre-processing and Co-processing of hazardous and other wastes in Cement Plant in compliance with the Hazardous and Other Wastes (Management and Trans-boundary Movement) Rules, 2016. The infrastructure/facility shall include:-
   a. Weighing bridge for quantification of waste at reception place within the factory premises.
   b. Covered shed with impervious line flooring for storage of hazardous and other wastes in storage tanks/ containers/ bins of capacity of 2000 MT.
   c. Drums/ containers/ bulkers/ tankers etc. suitable for packaging of hazardous and other wastes/ AFR.
   d. Laboratory for waste characterization/ qualification.
   e. Equipment such as shredder/ crusher/ cutter/ chipper for size reduction of hazardous and other wastes; screen for screening and granulation, impregnation; electro-magnetic separator/metal detector for sorting of metal; loader/ dumper as moving machinery for movement of wastes; belt conveyor for

transportation of material to the feed points and one to another place; extractor with weigh feeders as feeding system; double slide gates as safety equipment to be utilized into feeding mechanize to avoid any bag fire due to any pressure build-up into the kiln; fume extraction system with vacuum duct connected to scrubber/ bag filter/ VOC emission control system through carbon absorption along with suitable ID fan and stack of adequate height to control fugitive emission; fire protection system approved by safety auditor/ fire department; collection pit with impervious line for collection of spillage/ leachate collection; electrical and instrumentation fitting inconformity to the standards; provisions of emergency shower, eye wash station, personal protective equipment (safety boot, goggles, glove, mask ear plugs etc.).

2. The unit shall utilize combustible waste as fuel (Alternative Fuel) into kiln system by maintaining high temperature during clinker production.
3. The waste material shall be fed to the cement kiln though appropriate feed points, in adequate proportion and with proper waste quality and emission monitoring system. The unit may use different feeding points viz. (a) main burner at the rotary kiln outlet end (b) rotary kiln inlet end (c) pre-calciner. Appropriate feed points shall be selected according to the physical, chemical and toxicological characteristics of waste materials. Wastes of high calorific value have to be always fed into the high temperature combustion zone of the kiln. Wastes containing stable toxic component and containing >1.5% chlorine should be fed to the main burner to ensure complete combustion. Plastic waste, RDF of MSW shall be fed through pre-calciner.
4. The wastes such as bio-medical waste, asbestos containing wastes, e-Waste, entire batteries, explosive, corrosives, mineral acid wastes, radioactive wastes and unsorted municipal garbage shall not be co-processed.
5. The unit shall install Continuous Emission Monitoring System (CEMS) with the parameters PM, SO_2, NO_X in the first phase and data shall be linked with CPCB server and BSPCB dashboard. Additional emission parameters for CEMS shall be added as per the direction of the CPCB/ BSPCB from time-to-time. Other parameters shall be monitored manually once in a year and data should be submitted to BSPCB.

6. The unit shall comply with the emission standards notified by MoEF&CC, Govt. of India vide G.S.R. 497(E), dated-10.05.2016.
7. The unit shall maintain "zero discharge" of service waste water and in case, the industries prefers discharge service waste water, the unit shall comply the discharge standards (pH: 5.5-9.0, Suspended Solid: 100 mg/L, Oil & Grease: 10 mg/L, Temperature: not more than 5^0C higher than intake water temperature).
8. The unit shall ensure that storm water is not allowed to mix with effluent, treated sewage, scrubber water and or floor washings. Strom water within battery limits of the industry shall be channelized through separate drain(s).
9. This authorization shall be applicable for handling, collection, packaging, transportation, pre-processing and co-processing of waste mix prepared from different kinds of wastes such as the once listed in the Hazardous and Other Wastes (Management and Trans-boundary Movement) Rules, 2016 and also those which are not listed like Segregated Combustible Fraction (SCF), Refused Derived Fuel (RDF) of MSW, plastic and other packaging wastes, non-hazardous industrial wastes, bio-masses (saw dust), agro wastes etc. as an Alternative Fuel and Raw Material (AFR) as listed in **Annexure-1**.

    Pre-processing shall involve only physical transformation like size reduction by shredding and cutting, separation of foreign/ undesirable materials (separation of metal through metal detector or magnetic separator, impregnation (introducing and proper mixing of bio-mass/ saw dust in semi-solid streams to soak extra flowing liquid and maintaining good flow ability) and desired size selection (screening).
10. The unit shall display details of hazardous waste (quantity, nature of hazardous waste being used in the plant, water and air emissions etc.) at the main gate on board of 6'x4' size.
11. The unit shall follow the guidelines issued by the CPCB for pre-processing & co-processing of hazardous and other wastes in cement plant.
12. The unit shall maintain a logbook of waste co-processed including emission monitoring result during co-processing.
13. The collected waste shall be suitably pre-processed for co-processing.

14. The unit shall maintain a record of hazardous and other wastes handled in Form-3 and shall submit annual return in Form-4 to this Board on or before 30th June of every year.
15. The unit shall not store the hazardous waste in the premises for a period of more than 90 days provided the board has extended the said period.
16. The unit shall ensure that no damage is caused to environment during collection, storage & transportation of its HW.
17. The unit shall ensure that HW are packaged in a suitable manner for safe handling, storage, transport and labelled as per Form-8 of the rule.
18. The unit shall provide relevant information regarding hazardous nature of waste and majors to be taken in case of an emergency in Form-9 to the transporter.
19. The unit shall maintain the manifest system (movement document) for the movement of HW within the country in Form-10 of the rule.
20. The sender shall intimate the State Board of the destination & transit State Board in compliance with rule-18 (4 & 5) in addition with this Board for transportation of hazardous waste for co-processing.
21. The unit shall maintain the records of hazardous and other wastes purchased in a passbook issued by BSPCB along with authorization.
22. The unit shall comply the provisions of the Hazardous and Other Wastes (Management and Trans-boundary Movement) Rules, 2016 as operator, co-processor facility.

19/01/2023

Place: Patna
Date : 19.01.2023

(Digvijay Singh)
Assistant Scientific Officer
BSPCB

Annexure-1

Details of Authorization

Sl. No.	Category of Hazardous Waste as per Schedule I, II & III of these rules.	Authorized mode of disposal or recycling or utilization or co-processing, etc.	Quantity (ton/annum)
1.	Wastes or residues containing oil (HW cat. no. 5.2, Schedule I)	Co-processing	-
2.	Tarry residues & still bottoms from distillation (HW cat. no. 1.2, Schedule I)	Co-processing	-
3.	Oily sludge emulsion (HW cat. no. 1.3, 4.1, Schedule I)	Co-processing	-
4.	Sludge containing oil (HW cat. no. 2.2, Schedule I)	Co-processing	-
5.	Spent catalyst (HW cat. no. 4.2, Schedule I)	Co-processing	-
6.	Organic residues from process (HW cat. no. 4.4, Schedule I)	Co-processing	-
7.	Distillation residues (HW cat. no. 20.3, Schedule I)	Co-processing	-
8.	Process wastes, residues and sludges (HW cat. no. 21.1, Schedule I)	Co-processing	-
9.	Process wastes (HW cat. no. 22.2, Schedule I)	Co-processing	-
10.	Spent ion exchange resign containing toxic metal (HW cat. no. 35.2, Schedule I)	Co-processing	-
11.	Chemical sludge from waste water treatment (ETP, CETP)/ ETP, STP, WTP, CETP from soft drink (HW cat. no. 35.3, Schedule I)	Co-processing	-
12.	Chromium bearing residues and sludge (HW cat. no. 30.1, Schedule I)	Co-processing	-
13.	Other residues from processing of zinc ash from skimming (HW cat. no. 6.3, Schedule I)	Co-processing	-
14.	Any process or distillation residues compounds/solvents (HW cat. no. 36.1, Schedule I)	Co-processing	-
15.	Oil and grease skimming (HW cat. no. 35.4, Schedule I)	Co-processing	-

16.	Spent catalyst (HW cat. no. 17.2, 18.1, 19.2, 21.2, 22.1, 26.5, 28.2, 29.5, Schedule I)	Co-processing	-
17.	Contaminated cotton rags or other cleaning materials (HW cat. no. 33.2, Schedule I)	Co-processing	-
18.	Chemical containing residues arising from de-contamination (HW cat. no. 34.1, Schedule I)	Co-processing	-
19.	Sludge from treatment of waste water arising out of cleaning/disposal of barrels/containers (HW cat. no. 34.2, Schedule I)	Co-processing	-
20.	Used/spent oil (HW cat. no. 5.1, Schedule I)	Co-processing	-
21.	Spent clay containing oil (HW cat. no. 4.5, Schedule I)	Co-processing	-
22.	Spent carbon (HW cat. no. 18.2, 28.3, Schedule I)	Co-processing	-
23.	Furnace or Reactor residue and debris (HW cat. no. 1.1, Schedule I)	Co-processing	-
24.	Organic residues (HW cat. no. 1.4, Schedule I)	Co-processing	-
25.	Residue from alkali wash of fuels (HW cat. no. 1.5, Schedule I)	Co-processing	-
26.	Spent catalyst and molecular sieves (HW cat. no. 1.6, Schedule I)	Co-processing	-
27.	Oil from wastewater treatment (HW cat. no. 1.7, Schedule I)	Co-processing	-
28.	Drill cuttings excluding those from water based mud (HW cat. no. 2.1, Schedule I)	Co-processing	-
29.	Drill mud containing Oil (HW cat. no. 2.3, Schedule I)	Co-processing	-
30.	Sludge And Filters Contaminated with Oil (HW cat. no. 3.3, Schedule I)	Co-processing	-
31.	Slop oil (HW cat. no. 4.3, Schedule I)	Co-processing	-
32.	Cathode residue including pot lining wastes (HW cat. no. 11.2, Schedule I)	Co-processing	-

33.	Tar Containing Waste (HW cat. no. 11.3, Schedule I)	Co-processing	-
34.	Phosphate Sludge (HW cat. no. 12.5, Schedule I)	Co-processing	-
35.	Plating metal sludge (HW cat. no. 12.8, Schedule I)	Co-processing	-
36.	Sludge from acid recovery unit (HW cat. no. 13.2, Schedule I)	Co-processing	-
37.	Benzol acid sludge (HW cat. no. 13.3, Schedule I)	Co-processing	-
38.	Decanter Tar Sludge (HW cat. no. 13.4, Schedule I)	Co-processing	-
39.	Contaminated aromatic, aliphatic or napthenic solvents may or may not be fit for reuse (HW cat. no. 20.1, Schedule I)	Co-processing	-
40.	Spent Solvents (HW cat. no. 20.2, 23.2, 26.4, 28.6, 29.4, Schedule I)	Co-processing	-
41.	Process Sludge (HW cat. no. 20.4, Schedule I)	Co-processing	-
42.	Wastes or residues (not made with vegetable or animal materials) (HW cat. no. 23.1, Schedule I)	Co-processing	-
43.	Process waste sludge/residues containing acid, toxic metals, organic compounds (HW cat. no. 26.1, Schedule I)	Co-processing	-
44.	Dust from air filtration system (HW cat. no. 26.2, Schedule I)	Co-processing	-
45.	Process Residue and wastes (HW cat. no. 28.1, Schedule I)	Co-processing	-
46.	Off Specification Products (HW cat. no. 28.4, Schedule I)	Co-processing	-
47.	Date-expired products (HW cat. no. 28.5, Schedule I)	Co-processing	-
48.	Process wastes or residues (HW cat. no. 29.1, Schedule I)	Co-processing	-
49.	Sludge containing residual pesticides (HW cat. no. 29.2, Schedule I)	Co-processing	-
50.	Date expired and off specification pesticides (HW cat. no. 29.3, Schedule I)	Co-processing	-

51.	Empty Barrels/chemical containers/Liners contaminated with hazardous chemical/Wastes (HW cat. no. 33.1, Schedule I)	Co-processing	-
52.	Spent Carbon or filter medium (HW cat. no. 36.2, Schedule I)	Co-processing	-
53.	Sludge from wet scrubbers (HW cat. no. 37.1, Schedule I)	Co-processing	-
54.	Concentration or evaporation residues (HW cat. no. 37.3, Schedule I)	Co-processing	-
55.	Rubber Wastes (Basel no. B3040, Part B, Schedule III)	Co-processing	-
56.	Other waste viz. Carbice lime sludge, Waste Mix Solid/ Pre-processed waste mix Solid, Waste Mix Liquid/ Pre-processed waste mix liquid, SCF, RDF (Sorted MSW, plastic waste, bio-mass, agro waste, etc.)	Pre-processing & Co-processing	-
		Total	**200000**