

Ministry of Environment, Forest & Climate Change
Northern Region Office
Chandigarh-160030

DATA SHEET

1.	Project Type	Distillery Unit
2.	Name of the Project	BCL Industries Ltd.
3.	Clearance letter (s) O.M. No. & Date	Environment Clearance has been granted by MoEF&CC, vide F. No. J-11011/348/2014-IA-II(I) dated 08.04.2016 and corrigendum was issued vide F. No. J-11011/348/2014-IA-II(I) dated 25.10.2019; copy of the same is attached along as Annexure 1(a) and Annexure 1(b) respectively. Further, expansion in Environment Clearance granted by MoEF&CC, vide F. No. J-11011/378/2013-IA II(I) dated 25.10.2021; copy of the same is attached along as Annexure 1 (c) .
4.	Location	Village Machchana and Sangat Kalan, Tehsil Bathinda
a)	District(s)	Bathinda
b)	State (s)	Punjab
5.	Address for correspondence	M/s BCL Industries Ltd. (Formerly known as BCL Industries and Infrastructure Ltd.) Hazi Ratan Link Road, Bathinda (151001), Punjab Certificate of Incorporation pursuant to change of name is enclosed as Annexure 2 .
6.	Salient features	
a)	Of the Project	As per the Environmental Clearance granted for the project, the expansion is from existing 200 KLPD grain-based distillery unit and cogeneration power plant of 10 MW capacity by installing 200 KLPD grain-based Ethanol Plant (Additional Biofuel production) and additional 10 MW of power cogeneration (total 400 KLPD grain based distillery unit and cogeneration power plant of 20 MW capacity) at the existing location. Total plot area is 2,36,000 m ² of which greenbelt will be developed in 95,000 m ² .
b)	Of the environment	Total water requirement after the proposed expansion will be 3125 m ³ /day. The fresh water requirement is 890 m ³ /day which will be met from canal water. The industry will generate a total of 1450 m ³ /day of condensates including spent lees. Out of this, 840 m ³ /day will be

		directly used in the process for slurry preparation. Remaining condensates @ 610 m ³ /day will be treated in condensate polishing unit and reused for cooling tower makeup water. Effluent from misc. streams will be 214 m ³ /day which will be treated in ETP and reused for water of green belt within the industrial premises.
7.	Breakup of the Project Area	
	a) Submergence forest area and non-forest area	Not applicable
	b) Others	Not applicable
8.	Break up of project affected population with enumeration of those losing houses/ dwelling units only, agricultural land only both dwelling units and agricultural land and landless laborers/ land landless laborers/ artisans.	
	a) SC/ST/ Adivasis	Not applicable
	b) Others	Not applicable
9.	Financial details	
a)	Project cost as originally planned and subsequent revised estimates and the year of price reference.	Rs. 140 Crores as per EC Letter vide F. No. J-11011/378/2013-IA II(I) dated 25.10.2021.
b)	Allocations made for environmental management plan with item wise and year wise break up.	As per EC Letter, Rs. 18.50 Crores are earmarked towards capital cost and Rs. 2.75 Crores towards recurring cost per annum for implementation of environmental management plan.
c)	Benefit cost ratio/ Internal rate of return and year of assessment.	Will be calculated and submitted separately.
d)	Whether (c) includes the cost of environmental management as shown in (b) above.	Yes, the cost benefit ratio will be worked out considering the cost of environment management.
e)	Actual expenditure incurred on the project so far.	Rs. 412.76 Crores has been spent on the project so far (including existing as well as expansion).
f)	Actual expenditure incurred on the environmental management plans so far.	Rs. 23 Crores have been spent on the Environmental Management Plan against production of 200 KLPD. Additional, Rs. 32 Crores have been spent on the Environmental Management Plan against production of 400 KLPD. Thus, overall Rs. 55 Crores have been spent on the Environmental Management Plan so far.
10.	Forest lands requirement:	

a)	The status of approval for diversion of forest land for non-forestry use.	No forest area is involved.
b)	The status of clear felling.	Not applicable
c)	The status of CA, any	
d)	Comments on the viability & sustainability of CA program in the light of actual field experience so far.	Not applicable
11.	The status of clear felling in non-forest areas	Not applicable
12.	Status of construction	
a)	Date of commencement (actual and/ or planned).	August, 2012 (For old project of capacity 100 KLPD) May, 2016 (For Expansion project from 100 KLPD to 200 KLPD) January, 2022 (For Expansion project from 200 KLPD to 400 KLPD)
b)	Date of completion (actual and/ or planned).	May, 2023 Project photographs are enclosed as Annexure 3 .
13.	Reasons for the delay if the project is yet to start:	Not applicable

Compliance Report on the conditions imposed on Environmental Clearance for the period ending 30.09.2023

A. Specific Conditions

S. No.	Conditions	Reply
1.	As per OM dated 16 th June, 2021, project falls in category B2 and the proposed capacity from 200 KLPD to 400 KLPD shall be only be used for fuel ethanol manufacturing as per self-certification in form of an affidavit by the Project Proponent. Provided that subsequently if it is found that the ethanol, produced based on the EC granted as per this dispensation, is not being used completely for EBP Programme, or if ethanol is not being produced, or if the said distillery is not fulfilling the requirements based on which the project has been appraised as category B2 project, the EC shall stand cancelled.	Agreed. The expanded capacity from 200 KLPD to 400 KLPD will only be used for fuel ethanol manufacturing. However, permission for manufacturing Anhydrous Alcohol has been granted as per the EC vide Letter No. F. No. J-11011/348/2014-IA-II(I) dated 25.10.2019 for expanded capacity of 100 KLPD to 200 KLPD.
2.	The company shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.	Agreed. The same will be complied.
3.	The project proponent will treat and reuse the treated water within the factory and no waste or treated water shall be discharged outside the premises.	Agreed. The industry will generate a total of 1,450 m ³ /day of condensates including spent lees. Out of this, 840 m ³ /day will be directly used in the process for slurry preparation. Remaining condensates @ 610 m ³ /day will be treated in condensate polishing unit of capacity 700 KLD and reused for cooling tower makeup water. Effluent from misc. streams will be 214 m ³ /day which will be treated in ETP and reused for water of green belt within the industrial premises. However, as per Consent to Operate (water) granted, Condensate @ 1,830

		KLD will be directly reused in the liquefaction process. Copy of Consent to Operate is attached as Annexure 4.
4.	Total fresh water requirement shall not exceed 890 KLPD for the proposed expansion and it will be met from canal water. Prior permission shall be obtained from the concerned regulatory authority/CGWA in this regard, and renewed from time to time. No ground water recharge shall be permitted within the premises.	Agreed. The total fresh water requirement will not exceed 890 KLPD. Permission has been obtained from PWRDA regarding abstraction of ground water; copy of the same is attached as Annexure 5.
5.	The spent wash shall be concentrated and dried to form DDGS to be used as cattle feed.	Agreed. Dryers have been installed and DDGS will be used as cattle feed.
6.	CO ₂ generated from the process shall be bottled/made solid ice and utilized/sold to authorized vendors.	Agreed. The same will be complied.
7.	Occupational Health Centre for surveillance of the worker's health shall be set up. The health data shall be used in deploying the duties of the workers. All workers & employees shall be provided with required safety kits/mask for personal protection.	Health and Safety Policy are formed and implemented at the company. Copy of health & safety policy is enclosed as Annexure 6. Health surveillance is being done on regular basis and records are maintained for the same. Copy of records are attached as Annexure 7.
8.	Training shall be imparted to all employees on safety and health aspects of chemicals handling. Safety and visual reality training shall be provided to employees.	Agreed & accepted. Regular training such as mock drill, fire drill is being imparted to employees and records are being maintained. Copy of record of training imparted to employees and photograph showing the fire drill conducted at site is enclosed as Annexure 8.
9.	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Firefighting system shall be as per the norms.	Agreed. Fire hydrant system has been installed in the premises. Copy of fire NOC is attached as Annexure 9(a). Further, copy of PESO approval is attached as Annexure 9(b).
10.	Process organic residue and spent carbon, if any, shall be sent to Cement other suitable	Agreed. Fly ash silos have been provided. Hazardous waste

	industries for its incinerations. ETP sludge, process inorganic & evaporation salt shall be disposed of to the TSDF.	authorization has been granted. Copy of agreement with TSDF and Hazardous waste authorization is attached as Annexure 10.
11.	The company shall undertake waste minimization measures as below (a) Metering and control of quantities of active ingredients to minimize waste; (b) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes. (c) Use of automated filling to minimize spillage. (d) Use of Close Feed system into batch reactors. (e) Venting equipment through vapour recovery system. (f) Use of high pressure hoses for equipment clearing to reduce wastewater generation.	Agreed. The same will be taken into consideration.
12.	The green belt of at least 5-10 m width shall be developed in nearly 33% of the total project area, mainly along the plant periphery. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department. Records of tree canopy shall be monitored through remote sensing map.	Agreed. The industry has already developed green belt in an area of 95,000 sq.m which is more than 33% of total land area.
13.	As per the Ministry's OM dated 30.09.2020 superseding the OM dated 01.05.2018 regarding the Corporate Environmental Responsibility, and as per the action plan proposed by the project proponent to address the socio-economic and environmental issues in the study area, the project proponent, as committed, shall provide education funds in technical training centers/ support in nearby village's schools, support in health care facilities, drinking water supply and funds for miscellaneous activities like solar street lights, battery, solar panel etc., in the nearby villages. The action plan shall be completed within time as proposed.	Agreed. The same is being complied.
14.	There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products as per	Agreed. Adequate space has been provided for parking of vehicles for loading and unloading of material.

	CPCB norms and no parking to be allowed outside on public places.	
15.	Storage of raw materials shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.	Agreed. Closed handling and conveyance of materials have been provided to control the fugitive emissions, Water sprinkling is being done in the raw material storage area to control the dust emissions. Further work zone monitoring is also carried out.
16.	Continuous online (24x7) monitoring system for stack emissions shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB server. For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises.	Agreed.
17.	A separate Environmental Management Cell (having qualified person with Environmental Science/Environmental Engineering/specialization in the project area) equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	Agreed. Environment Management Cell has been set up to carry out the Environmental Management and Monitoring functions. Copy of same is attached as Annexure 11 .

B. General Conditions:

S. No.	Conditions	Reply
1.	No further expansion or modifications in the plant, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change/SEIAA, as applicable. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Agreed and accepted. However, EC application for expansion of 400 KLPD to 550 KLPD has been submitted which is under process.

2.	The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.	Agreed.
3.	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under the Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	Agreed. Ambient noise levels are being monitored regularly. Appropriate noise control measures have been adopted within the industry. Copy of recent test report of ambient noise within the industry is enclosed as Annexure 12 .
4.	The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CER activities shall be undertaken by involving local villages and administration and shall be implemented. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.	Agreed. The same is being complied.
5.	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.	Agreed. As per the EC granted Rs. 18.50 Crores has been earmarked as Capital investment for EMP and Rs. 2.75 Crores as recurring cost.
6.	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.	Agreed. It has already been submitted.
7.	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF&CC, the respective	Agreed. Half yearly compliance report is being submitted to RO, MoEF&CC and SEIAA, Punjab. Screenshot of e-mail showing submission of previous six monthly compliance report for

	Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.	period ending 31.03.2023 is enclosed as Annexure 13 . Further, Screenshot of compliance uploaded on company website is attached as Annexure 14 .
8.	The environmental statement for each financial year ending 31 st March in Form-V as is mandated shall be submitted 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 clearance conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.	Agreed. Form V has been submitted to RO PPCB.
9.	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/Committee and may also be seen at Website of the Ministry and at https://parivesh.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 shall be forwarded to the concerned Regional Office of the Ministry.	Copy of advertisements is attached as Annexure 15 .
10.	The 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 start of the project.	Agreed the same will be complied.
11.	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.	Agreed and accepted.
12.	The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound	Agreed and accepted.

	manner. The Ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.	
13.	Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Agreed and accepted.
14.	Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Not applicable.
15.	The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 read with subsequent amendments therein.	Agreed and accepted.