

Compliance Report of Environmental Clearance of

**60 KLPD & Expansion of 60 KLPD to 200 KLPD Grain
Based Distillery of**

M/s Ankur Biochem Pvt. Ltd.

**Village & PO- Dubhi, Nirsa Block,
Dist.: Dhanbad, Jharkhand- 828205**



Period: Oct'20 – March'21

COMPLIANCE REPORT OF ENVIRONMENTAL CLEARANCE OF 60 KLPD

Compliance report for grain based 60 KLPD distillery unit; 'Environmental Clearance' was accorded to the project by Ministry of Environment and Forest, Government of India, (project file number J-11011/159/2009-IA II(I)- issued on June 1, 2010.

A. SPECIFIC CONDITIONS:

Sl.No.	Condition	Compliance
i.	The industry shall ensure that the treated effluent and stack emissions from the unit are within the norms stipulated under the EPA rules or SPCB whichever is more stringent. In case of process disturbances/failure of pollution control equipment adopted by the unit, the respective unit shall be shut down and shall not be restarted until the control measures are rectified to achieve the desired efficiency.	Complied as we maintain the stack emissions and treated effluent values are within the prescribed norms. We also submitted the Online data to JSPCB & CPCB server. A copy of latest analysis reports is attached as Annexure- V
ii.	The particulate emissions from 20 TPH boilers shall be controlled by installation of cyclone and bag filter and emissions shall be dispersed through stack height as per the CPCB guidelines. The particulate emissions shall conform to the prescribed standards. Gaseous emissions from the DG sets shall be dispersed through stack of height as per CPCB/State Pollution Control Board standards.	Complied as we already installed Electro Static Precipitator (ESP) as an air pollution control device to arrest particulate matter. The emissions are conforming to the prescribed standards. Condition is complied. The height of stack of DG set is maintained as per SPCB norms/standards.
iii.	The Company shall upload the status of compliance of the stipulated environmental clearance conditions, including results of monitored data on its website and shall update the same periodically. It shall simultaneously be sent to the Regional office of MOEF, the respective Zonal office of CPCB and the State Pollution Control Board. The levels of PM₁₀, SO₂, NO_x (ambient levels), emissions from the stacks and pH, TDS, BOD, COD, Chloride, suspended solids and sulphates in the treated effluent shall be monitored and displayed at a convenient location near the main gate of the company and at important public places.	The industry already developed its own website i.e www.ankurbiochem.com where we upload all the monitored data, document & compliances as per requirements. We also installed digital display board near the main gate of the company and at important public places in which all relevant parameter of the air quality, flue gas emissions which are monitored online (24x7) are show.
iv.	The spent wash (286m³/d) shall be centrifuged in the decanter and after decantation, part of the thin slopes shall be recycled back to process and balance evaporated in the	Complied as we recycled thin slop back to process and converted into DDGS (Dried Distillers Grain and Soluble)

Sl.No.	Condition	Compliance
	Multiple Effect Evaporator(MEE) and concentrated syrup shall be mixed with wet cake to be sold as cattle feed. The condensate from the MEE shall be recycled to the process. The effluent from the floor washing, waste treatment plant, boiler blow down, fermenter washing shall be used as cooling tower make up and for irrigation within the plant premises after complying with the CPCB/State Pollution Control Board standards.	through different process of MEE. Dry powder (DDGS) are packed and sold as Cattle, Poultry Feed & Aqua Feed to the parties like Godrej Agrovet, CPF India Pvt Ltd., Sugna Group, Shiv Shakti Industries Pvt Ltd etc in the Market.. Complied as we used all the waste water like floor washing, waste treatment plant, boiler blow down, fermenter washing etc as makeup water in cooling tower and irrigation purpose within premises.
v.	The spent wash shall be stored in impervious pucca lagoons. The spent wash lagoons shall have proper lining with HDPE and shall be kept in proper condition to prevent groundwater pollution. The storage shall not exceed 5 days capacity.	Not applicable for Grain Based Distillery.
vi.	Adequate numbers of groundwater quality monitoring stations by providing piezometers around the compost yard and project area shall be set up. Sampling and trend analysis monitoring must be made on monthly basis and report submitted to SPCB and the ministry.	Complied as we already installed piezometer. All the reports are submitted to SPCB and the ministry in six monthly compliance reports.
vii.	Permission shall be obtained to draw surface water from the State Irrigation Department the ground water from the Central Ground Water Authority /State Ground Water Board as may be applicable to this case. The company shall undertake measures for conservation of water by recycling and rework the water requirement for grain based process.	Complied as we obtained Ground water withdrawal permission from Ground Water Directorate Wide Letter No- G.W.D 274/Ranchi. Dt- 06.08.2009.
viii.	The Company shall undertake measures for water conservation by recycling and reuse of treated water to minimize the fresh water consumption.	Complied. As company recycle its total waste water through ETP & RO and reused total treated water.
ix.	The company shall adopt rainwater harvesting measures to recharge the groundwater.	Complied. As company adopt rainwater harvesting measures.
x.	Fire fighting system shall be as per the OISD-117 Norms and cover all areas where alcohol is produced, handled and stored.	Complied as all the fire fighting networking systems are installed all around the industries as per norms. Details of fire system that we used are Fire Hydrant System, Portable Fire Extinguisher (DCP, Form,Co2 Type),Sprinkle System, Sand Bucket, Automatic fire off ball, Foam & Water Monitor etc. at all location.
xi.	Provision of foam system for fire fighting to control fire from the alcohol storage tank.	Complied. As provision of foam system for fire fighting to control fire from the

Sl.No.	Condition	Compliance															
		alcohol storage tank was installed at different site as per there requirement.															
xii.	The used oil shall not be used for boiler and it should be disposed off as per the Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2008.	Complied. As we don't use spent oil in boiler.															
xiv.	Green belt in 6.6 acres of the plant area shall be provided to mitigate the effects of fugitive emissions all around the plant as per CPCB guidelines in consultation with the local DFO.	Complied and now the industry is having a Green belt area of 75,120m ² and we planted 16,723 Nos of plant, and the area was more than 40% of total area.															
xv.	Occupational health surveillance programme shall be undertaken as regular exercise for all the employees. The first aid facilities in the occupational health centre shall be strengthened and the medical records of each employee shall be maintained separately.	Complied. As Occupational health surveillance program is undertaken in regular exercise for all the employee. As company provide first aid to employees as per requirement and also maintain all the records. Details of some occupational health surveillance are as followed: <table border="1"> <thead> <tr> <th>Years</th><th>Health Checkup</th><th>No of Employees</th></tr> </thead> <tbody> <tr> <td>2018</td><td>EGG, PFT, Blood, Audiometry, X-Ray</td><td>57</td></tr> <tr> <td>2019</td><td>EGG, PFT, Blood, Audiometry, X-Ray</td><td>135</td></tr> <tr> <td>2020</td><td>EGG, PFT, Blood, Audiometry, X-Ray</td><td>89</td></tr> <tr> <td>2020</td><td>Vaccination of Typhoid & Hepatitis B</td><td>76</td></tr> </tbody> </table>	Years	Health Checkup	No of Employees	2018	EGG, PFT, Blood, Audiometry, X-Ray	57	2019	EGG, PFT, Blood, Audiometry, X-Ray	135	2020	EGG, PFT, Blood, Audiometry, X-Ray	89	2020	Vaccination of Typhoid & Hepatitis B	76
Years	Health Checkup	No of Employees															
2018	EGG, PFT, Blood, Audiometry, X-Ray	57															
2019	EGG, PFT, Blood, Audiometry, X-Ray	135															
2020	EGG, PFT, Blood, Audiometry, X-Ray	89															
2020	Vaccination of Typhoid & Hepatitis B	76															
xvi.	Provision shall be made for the housing for the construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile sewage treatment plant, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structure to be removed after the completion of the project. All the construction wastes shall be managed so that there is no impact on the surrounding environment.	Complied. As company provide all this basic necessary such as fuel for cooking, mobile toilets, mobile sewage treatment plant, safe drinking water, medical health care, crèche etc to their employees and labour too.															
B. GENERAL CONDITIONS:																	
i.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.	Complied. As we already obtained EC for expansion from 60 KLPD to 200 KLPD vide File No.J-11011/205/2015-IA-II(I) dt- 27 th Feb,2020 and we have started															

Sl.No.	Condition	Compliance									
		work from 1 st March, 2020. After that we also obtained CTE from JSPCB vide letter No- JSPCB/HO/RNC/CTE- 8056192/2020/347, dt- 07 th Sep, 2020. And for expansion we already obtained CTO from JSPCB vide Ref No. JSPCB/HO/RNC/CTO- 9564701/2021/574, dt- 06/04/2021 which is valid upto 31/12/2021.									
ii.	Ambient Air Quality Monitoring Stations shall be set up in the down wind direction as well as where maximum ground level concentration of PM ₁₀ , SO ₂ and NO _x are anticipated in consultation with the State Pollution Control Board.	Complied as we maintained all the norms and the latest ambient air report is attached as Annexure-I .									
iii.	Adequate number of influent and effluent quality monitoring stations shall be set up in consultation with the State Pollution Control Board. Regular monitoring should be carried out for relevant parameters.	Complied. As we setup continuous online effluent monitoring system (24 X 7) and all the data are successfully submitted to CPCB & JSPCB respectively.									
iv.	The industry shall ensure that the treated effluent and stack emissions from the unit are within the norms stipulated under the EPA rules or SPCB whichever is more stringent. In case of process disturbances/failure of pollution control equipment adopted by the unit, the respective unit shall be shut down and shall not be restarted until the control measures are rectified to achieve the desired efficiency.	Complied as per norms. As we setup continuous online effluent and Air monitoring system (24 X 7) and all the data are successfully submitted to CPCB & JSPCB respectively. For the recent analysis report please refer to stack emission and treated effluent report/s as Annexure- V									
v.	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 EPA Rules, 1989	Complied as per Standard prescribed under EPA. Please refer Annexure- II for recent Ambient noise level monitoring report.									
vi.	Occupational health surveillance programme shall be undertaken as regular exercise for all the employees. The first aid facilities in the occupational health centre shall be strengthened and the medical records of each employee shall be maintained separately:	Complied. As Occupational health surveillance program is undertaken in regular exercise for all the employee. As company provide first aid to employees as per requirement and also maintain all the records. Details of some occupational health surveillance are as followed: <table border="1"> <thead> <tr> <th>Years</th><th>Health Checkup</th><th>No of Employees</th></tr> </thead> <tbody> <tr> <td>2018</td><td>EGG, PFT, Blood, Audiometry, X-Ray</td><td>57</td></tr> <tr> <td>2019</td><td>EGG, PFT, Blood,</td><td>135</td></tr> </tbody> </table>	Years	Health Checkup	No of Employees	2018	EGG, PFT, Blood, Audiometry, X-Ray	57	2019	EGG, PFT, Blood,	135
Years	Health Checkup	No of Employees									
2018	EGG, PFT, Blood, Audiometry, X-Ray	57									
2019	EGG, PFT, Blood,	135									

Sl.No.	Condition	Compliance		
			Audiometry, X-Ray	
		2020	EKG, PFT, Blood, Audiometry, X-Ray	89
		2020	Vaccination of Typhoid & Hepatitis B	76
vii.	A separate environmental management cell equipped with full fledged laboratory facilities must be set up to carry out the environmental management and monitoring functions.	Complied as we already engage a regular environment manager with the qualification of M.Sc in Pollution Control, 3 years Diploma in Public health and Environmental Eng., Diploma in Industrial Safety and Post graduate diploma in Environmental Law & Policy. Company also assure you that we setup laboratory related to Environmental Management and Monitoring functions as soon.		
viii.	The project authorities shall provide requisite funds for both recurring and non-recurring expenditure to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State government along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.	The condition is complied. As company incurred the expenditure for recurring & non-recurring expenses related to environmental protection measure. Till date we spend a some of Rs.1178 Lakh toward environmental protection measure.		
ix.	A copy of the clearance letter shall be sent by the 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. The clearance letter shall also be put on the website of the company by the proponent.	Complied as we submitted the clearance letter to Gram Panchayat & Zilla Parishad.		
x.	The implementation of the project vis-à-vis environmental action plans will be monitored by Ministry/Regional Office at Bhubaneswar/State Pollution Control Board/Central Pollution Control Board.	Complied as we submitted.		
xi.	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated in EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the State Pollution Control Board.	Complied. As we submitted six monthly compliance reports on regular basis to the respective Regional Office Of MoEF&CC, and the respective Zonal Office of JSPCB.		
xii.	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	Complied. As Company submitted environment statement reports on regular basis to respective Dept. The Last		

Ankur Biochem Pvt. Ltd.

Authorised Signatory

Sl.No.	Condition	Compliance
	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.	Environmental Statement (FY-2019-2020) has been submitted vide letter dt- 19/12/2020.
xiii.	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 State Pollution Control Board/ Committee and may also be seen at Website of the Ministry of Environment and Forests 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 shall be forwarded to the Regional office.	This condition has been complied. As we update the copy of EC at our website and also print the advertised in two local newspapers.
xiv.	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 land development work.	Complied. The date of financial closure is 31 st march of every year. As we obtained EC for 60 KLPD vide. J-11011/159/2009-IA.II(I), dt- 01.06.2010 and had started works from 15.06.2010. Now we obtained EC for expansion from 60 KLPD to 200 KLPD vide File No.J-11011/205/2015-IA-II(I) dt- 27 th Feb,2020 and we have started work from 1 st March,2020. After that we also obtained CTE from JSPCB vide letter No- JSPCB/HO/RNC/CTE-8056192/2020/347, dt- 07 th Sep, 2020. And for expansion we already obtained CTO from JSPCB vide Ref No. JSPCB/HO/RNC/CTO-9564701/2021/574, dt- 06/04/2021 which is valid upto 31/12/2021.

Ankur Biochem Pvt. Ltd.

Authorised Signatory

Compliance Report Of Environmental Clearance For Expansion from 60 KLPD to 200 KLPD

'Environmental Clearance' was accorded to the project by Ministry of Environment and Forest, Government of India, (project file number J-11011/205/2015-IA II(I)- issued on Feb 27, 2020.

A. Specific Condition:-

Sl No	Conditions	Compliance
(i)	10 m wide green belt of perennial trees around periphery of the plant shall be provided.	Complied as details as per given below East side- 8000 m2, West Side- 10000 m2, North Side- 12000 m2, South Side- 45120 m2
(ii)	Green area shall be developed in 33% area of the total project area.	We were already developed more than 40% area of the total projected area.
(iii)	No ground water shall be used for proposed expansion.	Complied as we already obtained Ground water withdrawal permission from Ground Water Directorate Wide Letter No- G.W.D 274/Ranchi. Dt- 06.08.2009 for our Existing 60 KLPD Plant. We also assure you that we don't use any ground water for our proposed expansion.
(iv)	No edible grain shall be used for proposed expansion.	Complied as we use only Rejection Rice & Broken Rice.
(v)	At least 5 % of the total cost of the project shall be earmarked towards the Enterprise Social Commitment (ESC) and shall be used only for installation of RO plant for drinking water supply and solar panel in three (03) nearby villages. Implementation of such program shall be ensured accordingly in a time bound manner. Following activities shall be under taken under ESC activities: a. RO plants shall be installed in three (03) nearby villages to ensure safe drinking water availability. The expenditure on maintenance on these RO plants will be owned by the Project proponent. b. 5000 trees/year shall be planted in nearby villages with the consultation of the villagers.	Complied as per condition we already installed 03 nos of RO (Water Purifier) in nearby villages at Tetulia, Belkupa, Rahamatnagar. a. We already installed 03 no of RO (Water Purifier) plant nearby villages (Tetulia, Belkupa, Rahamatnagar) b. We planted plants near by villages, road side from tetulia more to Lakhiyabad. We also issued a letter to Gram Panchayat to provide vacant land for plantation.
(vi)	Survival rate of plants shall be reported to RO, MoEF&CC in 6 monthly compliance report.	Survival rate of Plant is 95%.
(vii)	A regular environment manager having post graduate qualification in environmental	Complied as we already engage a regular environment manager with the qualification of

	sciences/environmental engineering to be appointed for looking after the environmental management activities of the proposed plant.	M.Sc in Pollution Control, 3 years Diploma in Public health and Environmental Eng., Diploma in Industrial Safety and Post graduate diploma in Environmental Law & Policy for looking after the environmental management activities of the plant.															
(viii)	The unit shall adhere to Zero Liquid Discharge (ZLD).	Complied. As we maintain Zero Liquid Discharge (ZLD).															
(ix)	Continuous online (24 x7) monitoring to be installed for flow measurement of pollutants within the treatment unit. Data to be uploaded on company's website and provided to the respective RO of MEF&CC, CPCB and SPCB.	Complied as Continuous online (24x7) monitoring data are successfully uploaded in respective RO of CPCB and SPCB server. The data are also uploaded on company website too. Link http://www.ankurbiochem.com/online_data.php															
(x)	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms.	Complied as all the fire fighting networking systems are installed all around the industries as per norms. Details of fire system that we used are Fire Hydrant System, Portable Fire Extinguisher (DCP, Form,Co2 Type),Sprinkle System, Sand Bucket, Automatic fire off ball, Foam & Water Monitor etc. at all location. We also obtained NOC from Fire Dept. vide Letter No- 226/Tech/2021,dt- 15.01.21, and which is valid upto 15.01.2022.															
(xi)	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Complied. As Occupational health surveillance program is undertaken in regular exercise for all the employee. As company provide first aid to employees as per requirement and also maintain all the records. Details of some occupational health surveillance are as followed: <table border="1"> <thead> <tr> <th>Years</th><th>Health Checkup</th><th>No of Employees</th></tr> </thead> <tbody> <tr> <td>2018</td><td>EGG, PFT, Blood, Audiometry,X-Ray</td><td>57</td></tr> <tr> <td>2019</td><td>EGG, PFT, Blood, Audiometry,X-Ray</td><td>135</td></tr> <tr> <td>2020</td><td>EGG, PFT, Blood, Audiometry,X-Ray</td><td>89</td></tr> <tr> <td>2020</td><td>Vaccination of Typhoid & Hepatitis B</td><td>76</td></tr> </tbody> </table>	Years	Health Checkup	No of Employees	2018	EGG, PFT, Blood, Audiometry,X-Ray	57	2019	EGG, PFT, Blood, Audiometry,X-Ray	135	2020	EGG, PFT, Blood, Audiometry,X-Ray	89	2020	Vaccination of Typhoid & Hepatitis B	76
Years	Health Checkup	No of Employees															
2018	EGG, PFT, Blood, Audiometry,X-Ray	57															
2019	EGG, PFT, Blood, Audiometry,X-Ray	135															
2020	EGG, PFT, Blood, Audiometry,X-Ray	89															
2020	Vaccination of Typhoid & Hepatitis B	76															
(xii)	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms.	Complied as all the fire fighting networking systems are installed all around the industries as per norms. Details of fire system that we used are Fire Hydrant System, Portable Fire Extinguisher (DCP, Form,Co2 Type),Sprinkle System, Sand Bucket, Automatic fire off ball, Foam & Water Monitor etc. at all location. We also obtained NOC from Fire Dept. vide Letter No- 226/Tech/2021,dt- 15.01.21, and which is valid upto 15.01.2022.															

Ankur Biochem Pvt. Ltd.

 Authorised Signatory

(xiii)	The by-products which fall under the purview of the Hazardous Waste Rule, be handled as per the provisions of the said Rules and necessary permissions shall be obtained under the said rules.	Complied. As we obtained Hazardous Waste Disposal Authorization from JSPCB vide Letter – JSPCB/HO/RNC/HWM-1268901/2017/54, dt-18/08/2017 which is valid upto 17/11/2021.															
(xiv)	DDGS shall be manufactured as by-product from the wet cake (spent wash) and sold as cattle or poultry feed in the market.	Complied as DDGS are sold as Cattle, Poultry or Aqua Feed to the Parties such as Godrej Agrovat, CPF India Pvt Ltd, Sugna Group, Shiv Shakti Industries Pvt Ltd etc in the Market.															
(xv)	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Complied. As Occupational health surveillance program is undertaken in regular exercise for all the employee. As company provide first aid to employees as per requirement and also maintain all the records. Details of some occupational health surveillance are as followed: <table border="1"> <thead> <tr> <th>Years</th><th>Health Checkup</th><th>No of Employees</th></tr> </thead> <tbody> <tr> <td>2018</td><td>EGG, PFT, Blood, Audiometry, X-Ray</td><td>57</td></tr> <tr> <td>2019</td><td>EGG, PFT, Blood, Audiometry, X-Ray</td><td>135</td></tr> <tr> <td>2020</td><td>EGG, PFT, Blood, Audiometry, X-Ray</td><td>89</td></tr> <tr> <td>2020</td><td>Vaccination of Typhoid & Hepatitis B</td><td>76</td></tr> </tbody> </table>	Years	Health Checkup	No of Employees	2018	EGG, PFT, Blood, Audiometry, X-Ray	57	2019	EGG, PFT, Blood, Audiometry, X-Ray	135	2020	EGG, PFT, Blood, Audiometry, X-Ray	89	2020	Vaccination of Typhoid & Hepatitis B	76
Years	Health Checkup	No of Employees															
2018	EGG, PFT, Blood, Audiometry, X-Ray	57															
2019	EGG, PFT, Blood, Audiometry, X-Ray	135															
2020	EGG, PFT, Blood, Audiometry, X-Ray	89															
2020	Vaccination of Typhoid & Hepatitis B	76															
(xvi)	There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, and no parking to be allowed outside on public places.	Complied as there are adequate space inside the plant premises earmark for parking of vehicles for raw materials and finish products. No parking to be allowed outside on public places.															
(xvii)	Storage of raw materials shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.	Complied as we stores all the raw materials in silos as well as covered areas in order to prevent dust pollution as per instruction by Dept.															
(xviii)	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 ZLD, the unit shall install flow meters in the channel/drain carrying effluent within the premises. For continuous discharge the unit shall install pH, TSS, BOD, COD and flow meter at the ETP outlet.	Complied as Continuous online (24x7) monitoring data are successfully transmitted to the CPCB & SPCB server. The data of Flow meters are also submitted to the servers. In case of any fault we are informing to RO office time to time.															
(xix)	CO2 generated from the process shall be made liquid and sold to authorized vendors.	Complied as we already set CO2 Plant to collect CO2 from the process and sales CO2 in Liquid form to Siegil Industrial Gases Ltd an authorized vendors through in proper tankers.															

[Signature]
 Authorised Signatory

General Conditions

SI No	Conditions	Compliance
(i)	The Project Proponent shall obtain all other statutory/necessary permission/recommendations / NOCs prior to start of construction/operation of the project, which inter alia include, permission/approvals under the Forest (Conservation) Act, 1980; the Wildlife(Protection) Act, 1972; the Coastal Regulation Zone Notification, 2019, as amended from time to time, and other Office Memoranda/Circular issued by the Ministry of Environment, Forest and Climate Change From time to time, as applicable to the project.	Complied. As we obtained EC for 60 KLPD vide. J-11011/159/2009-IA.II(I), dt- 01.06.2010 and had started works from 15.06.2010. Now we obtained EC for expansion from 60 KLPD to 200 KLPD vide File No.J-11011/205/2015-IA-II(I) dt- 27 th Feb,2020 and have started work from 1 st March,2020. After that we also obtained CTE from JSPCB vide letter No- JSPCB/HO/RNC/CTE-8056192/2020/347, dt- 07 th Sep, 2020. And for expansion we already obtained CTO from JSPCB vide Ref No. JSPCB/HO/RNC/CTO-9564701/2021/574, dt- 06/04/2021 which is valid upto 31/12/2021.
(ii)	The project proponent shall ensure compliance of 'National Emission Standards', as applicable to the project, issued by the Ministry from time to time. The project proponent shall also abide by the rules/regulations issued by the CPCB/SPCB for control/abatement of pollution.	Complied as company follows all the rules / regulations which is issued by the CPCB / SPCB.
(iii)	The project authorities shall adhere to the stipulations made by the State Pollution Control Board/Committee, Central Pollution Control Board, State Government and any other statutory authority.	Complied as we followed.
(iv)	The project proponent shall prepare a site specific conservation plan and wildlife management plan in case of the presence of Schedule-1 species in the study area, as applicable to the project, and submit to Chief Wildlife Warden for approval. The recommendations shall be implemented in consultation with the State Forest/Wildlife Department in a time bound manner.	The Projected area was not covered under Schedule-1 species area. Later we had already communicated twice to Dept. for request to confirm presence of Schedule 1 species of wild life (Protection) Act 1972 in the 10km of radius area.
(v)	No further expansion or modifications in the plant, other than mentioned in the EIA Notification, 2006 and its amendment, shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change. 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 to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Complied. As we obtained EC for expansion from 60 KLPD to 200 KLPD vide File No.J-11011/205/2015-IA-II(I) dt- 27 th Feb,2020 and have started work from 1 st March,2020. After that we also obtained CTE from JSPCB vide letter No- JSPCB/HO/RNC/CTE-8056192/2020/347, dt- 07 th Sep, 2020. And for expansion we already obtained CTO from JSPCB vide Ref No. JSPCB/HO/RNC/CTO-9564701/2021/574, dt- 06/04/2021 which is valid upto 31/12/2021
(vi)	The energy source for lighting purpose shall be preferably LED based, or advance having preference in energy conservation and environmental betterment.	Complied as we already use lighting fully in LED based in order to conserve energy.

(vii)	The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one station each is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	Complied as all the locations are advise by Pollution Dept. for monitoring and a copy of latest report attached as Annexure- I
(viii)	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No.826(E) dated 16th November, 2009 shall be followed.	Complied as we followed the standard as per norms.
(ix)	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 Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	Complied. We follow all the standards norms. A copy of latest analysis reports for day & night was attached as Annexure- II
(x)	The company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and to utilize the same for process requirements.	Complied. As company is being harvested rainwater from the roof tops of the building and storm water drains to recharge the ground water and to utilize the same for process as per requirement.
(xi)	Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.	Complied. The company provides proper training to employee time to time on Safety and health. We also conduct periodical medical examinations of the workers on a regular basis. Details of training that we provided to employees are Occupational Safety and Health, Personal Protective Equipment, Chemical handling, Manual handling, Ergonomics etc.
(xii)	The company shall also 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.	Comply. As we taking all the environmental protection measures and safeguards as per recommended in EIA/EMP Report.
(xiii)	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.	Comply. Company take part in socio-economic activities in time to time . Recently we installed 03 no of RO (Water Purifier) nearby villages, we also planted plant near by villages, Road Side. We also make donation for building Mandir & Majid etc. Now in this pandemic situation we distributed in huge quantity of Sanitizers and food grains in local villages.

(xiv)	The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.	Comply. As we take part to improve local community welfare. We distribute blankets in winter season in nearby villages, providing drinking water through pipe line to nearby villages, installed 03 water purifier nearby villages, distributing food grain packages, hand sanitizer etc. We also help people in term of monetary time to time as per requirement.
(xv)	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.	Complied as we already engage a regular environment manager with the qualification of M.Sc in Pollution Control, 3 years Diploma in Public health and Environmental Eng., Diploma in Industrial Safety and Post graduate diploma in Environmental Law & Policy. Company also assure you that we setup laboratory related to Environmental Management and Monitoring functions as soon.
(xvi)	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/pollution control measures shall not be diverted for any other purpose.	Complied. As we have separate sufficient funds towards environment / pollution control measures which we can't diverted for any other purpose.
(xvii)	A copy of the clearance letter shall be send by the project proponent to concerned panchayat, Zilla Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/representation, if any, were received while processing the proposal.	Complied as project come under Gram panchayat and Zilla Parishad Only. That why we submit the clearance letter only to Gram Panchayat & Parishad. A copy of receiving was attached as annexure- III
(xviii)	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including result of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office Of MoEF&CC, the respective Zonal Office of CPCB of SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.	Complied. As we submitted six monthly compliance reports on regular basis to the respective Regional Office Of MoEF&CC. The Last Six Monthly Compliance report was submitted vide Letter Dt- 16/03/2021 and the respective Zonal Office of JSPCB vide letter dt- 1/03/2021.
(xix)	The environmental statement for each financial year ending 31st 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	Complied. As Company submitted environment statement reports on regular basis to respective Dept. The Last Environmental Statement (FY- 2019-2020) has been submitted vide letter dt- 19/12/2020.

	of environmental clearance condition and shall also be send to the respective Regional Offices of MoEF&CC by e-mail.	
(xx)	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.	Complied. A Copy of advertisement in two news paper is attaches as Annexure- IV
(xxi)	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.	Complied. The date of financial closure is 31 st march of every year. As we obtained EC for 60 KLPD vide. J-11011/159/2009-IA.II(I), dt- 01.06.2010 and had started works from 15.06.2010. Now we obtained EC for expansion from 60 KLPD to 200 KLPD vide File No.J-11011/205/2015-IA-II(I) dt- 27 th Feb,2020 and we have started work from 1 st March,2020. After that we also obtained CTE from JSPCB vide letter No- JSPCB/HO/RNC/CTE-8056192/2020/347, dt- 07 th Sep, 2020. And for expansion we already obtained CTO from JSPCB vide Ref No. JSPCB/HO/RNC/CTO-9564701/2021/574, dt- 06/04/2021 which is valid upto 31/12/2021.
(xxii)	This Environment clearance is granted subject to final outcome of Ho'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.	.....

Ankur Biochem Pvt. Ltd.

Authorised Signatory



GEMS PROJECTS PVT. LTD.

(ENVIRONMENTAL LABORATORY DIVISION)

APPROVED BY JHARKHAND STATE POLLUTION CONTROL BOARD, GOVT OF JHARKHAND

TEST REPORT

Sample Description	Ambient Air Quality	Sampling Details	
Job Registration ID	G/JRN/210301/AR-01	Sampling Date	26th-27th Feb.2021
ULR Number	.....	Sample collected by	Sagar & Team
Report Release Date	06-03-2021	Sampling Protocol	IS 5182 Part(2,6 & 23)
Issue to:		Industry Type	Total Spirit Mfg. Unit
M/s Ankur Biochem Pvt. Ltd		Company Status	Operating
At-Dhubi,P.O- Nirsa		Metrological Information	
Dist-Dhanbad, Jharkhand		Average Temperature(°C)	30
		Weather Condition	Clear
		Relative Humidity %	51

Test Method -IS 5182	Part-2	Part-6	Part-23
Limits	80µg/m3	80µg/m3	100µg/m3

Time	SO ₂ µg/m3	NO _x µg/m3	PM ₁₀ µg/m3
Sampling Location 1	Near Main Gate		
2:00 PM 06:00 PM	18	26	
06:05 PM 10:05 PM	21	28	89.74
10:10 PM 02:10 AM	20	31	
02:15 AM 06:15 AM	19	29	63.19
06:20 AM 10:20 AM	16	22	
10:25 AM 02:25 PM	14	20	96.23
Maximum	21	31	96.23
Average	18	26	83.05

Sampling Location 2	Near Grain Handling		
2:15 PM 06:15 PM	15	24	
06:20 PM 10:20 PM	17	31	87.58
10:25 PM 02:25 AM	18	30	
02:30 AM 06:30 AM	16	28	60.98
06:35 AM 10:35 AM	14	23	
10:40 AM 02:40 PM	12	21	93.67
Maximum	18	31	93.67
Average	15	26	80.74

Sampling Location 3	Near DM Plant		
2:30 PM 06:30 PM	17	25	
06:35 PM 10:35 PM	20	32	85.61
10:40 PM 02:40 AM	18	31	
02:45 AM 06:45 AM	17	29	61.25
06:50 AM 10:50 AM	15	24	
10:55 AM 02:55 PM	13	22	95.64
Maximum	20	32	95.64
Average	17	27	80.83

***** End of Report*****

- Remarks
- 1) Test values are found within the prescribed limit of IS:5182:2009
 - 2) The Test Report is in accordance with sample received and the test parameters.
 - 3) Any dispute is subject to Jurisdiction Only.
 - 4) The Test report shall not be produced partially or whole for advertising or legal entity.

06/03/2021
Kumari Soni Mehta
Tested By



Ankur Biochem Pvt. Ltd.

Authorised Signatory

Sanjeev Kumar Singh

Issued By

Lab In-charge

Gems Projects Pvt. Ltd.



GEMS PROJECTS PVT. LTD.

(ENVIRONMENTAL LABORATORY DIVISION)

APPROVED BY JHARKHAND STATE POLLUTION CONTROL BOARD, GOVT OF JHARKHAND

TEST REPORT

Sample Description	NOISE	Sampling Details	
Job Registration ID	G/JRN/210301/NOISE-01	Sampling Date	26th Feb. 2021
ULR Number	.....	Sample collected by	Sagar & Team
Report Release Date	06-03-2021	Sampling Protocol	IS 9989 -1981(RA-2001)
Issue to:		Industry Type	Total Spirit Mfg. Unit
M/s Ankur Biochem Pvt. Ltd		Company Status	Operating
At-Dhubi, P.O.- Nirsa		Metrological Information	
Dist-Dhanbad, Jharkhand		Average Temperature(°C)	30
		Weather Condition	Clear
		Relative Humidity %	51

Sampling Location 1	Near Main Gate			
	Day Time	Leq in dB	Night Time	Leq in dB
	2:10 PM	57.6		
	6:10 PM	52.4		
			10:10 PM	36.8
			2:10 AM	32.1
	6:10 AM	43.8		
	10:10 AM	54.3		
Maximum		57.6		36.8
Average		52.0		34.5

Sampling Location 2	Near Grain Handling			
	2:25 PM	53.6		
	6:25 PM	51.2		
			10:25 PM	35.7
			2:25 AM	31.6
	6:25 AM	41.6		
	10:25 AM	52.7		
Maximum		53.6		35.7
Average		49.8		33.7

Sampling Location 3	Near DM Plant			
	2:40 PM	51.6		
	6:40 PM	48.9		
			10:40 PM	37.8
			2:40 AM	33.7
	6:40 AM	45.9		
	10:40 AM	55.8		
Maximum		55.8		37.8
Average		50.6		35.8

Remarks All values are observed well within the limit

Note (1) Day Time - From 6:00 Am to 10:00 PM Night Time - From 10:00 PM to 6:00 Am

(2) The Noise Pollution (Regulation and Control) Rules, 2000 (PC)

Area/Zone

Day Time/Night Time

Industrial Area

75/70 Limit in dB

(3) No disturbance subject to Ranch Induction Only

(4) The test report shall not be reproduced, partially or wholly, without the written consent of the Laboratory

(5) The test report shall not be used for any purpose other than the purpose for which it was issued.

06/03/2021
 Sagar & Team
 Tested by
 (Signature)



06/03/2021
 Rishi Kumar Singh
 Checked by

Ankur Biochem Pvt. Ltd.

Authorised Signatory

06/03/2021
 Sangeet Kumar Singh
 Issued by
 Lab In-Charge

Gems Projects Pvt. Ltd.

23/05/2020

To
The Gram Panchayat
Belkupa, Nirsha
Dhanbad, Jharkhand

Subject: Submission of Environmental clearance from 60 KLPD to 200 KLPD.

Respected Sir,

Recently, we have received 'Environmental Clearance' for expansion of our grain based distillery unit from 60 KLPD to 200 KLPD capacity (copy of Environmental clearance is enclosed herewith for your ready reference).

Thanking you,

Yours Sincerely,

For Ankur Biochem Private Limited

Ankur Biochem Pvt. Ltd.

Authorised Signatory

Enclosures: As above

Ankur Biochem Pvt. Ltd.
Authorised Signatory

Kailash Modi
26/05/2020
मुखिया

ग्राम पंचायत बेलकुपा
निरसा, जिला-धनबाद

ANKUR BIOCHEM PVT. LTD.

Tetulia More, Vill. & P.O. Dhubhi (Tetulia), P.S. Nirsa, Dist. Dhanbad 828205, Jharkhand, India

Corp. Office : 33, M B Lane, Asansol, Dist. Burdwan 713301, West Bengal, India

Tel: +91 341 2303649, E-mail : ankurbiochem@gmail.com, Web : www.ankurbiochem.com

CIN-U24100WB2008PTC128390

THE TELEGRAPH RANCHI THURSDAY 5 MARCH 2020

NOTICE

PUBLIC NOTICE

This is to inform all that, the Ministry of Environment Forests and Climate Change, Government of India, New Delhi has accorded 'Environmental Clearance' for expansion of grain based distillery from 60 to 200 kilo litre per day capacity of M/s. Ankur Biochem Pvt. Ltd., Tetuliya, Post-Dubhi, Nirsa, District- Dhanbad, Jharkhand. The 'Environmental Clearance' is granted under the provision of EIA notification dated 14th September 2006. The copy of the environmental clearance is available on the website <http://envfor.nic.in> and <http://environmentclearance.nic.in/>. This advertisement is published in public interest, according to the general conditions of the 'Environmental Clearance'.

For M/s. Ankur Biochem Pvt. Ltd.
Executive Director General Manager

सर्वजनिक सूचना, गुजरात, 05 मार्च 2020

सार्वजनिक सूचना

इस सूचना द्वारा सभी को सूचित किया जाता है कि मेसर्स अंकुर बायोकेम (प्रा०) लिमिटेड तेतुलीया मोड, गांव दुभी, नीरसा, जिला धनबाद, झारखण्ड इनके धान/अनाज पर आधारित डिस्टिलरी परियोजना विस्तार हेतु (विद्यमान क्षमता 60 हजार लिटर प्रति दिन से बढ़ाकर कुल क्षमता 200 हजार लिटर प्रति दिन) आवश्यक पर्यावरण मंजूरी मिल गई है। यह मंजूरी वन पर्यावरण और जलवायु परिवर्तन मंत्रालय, भारत सरकार इन्होंने ई.आय.ए. अधिसूचना 14 सितंबर 2006 के प्रावधान के तहत दि० 27 फरवरी 2020 को <http://environmentclearance.nic.in> इस वेबसाइट पर उपलब्ध कराई है।

यह सूचना पर्यावरण मंजूरी की सामान्य शर्तों के अनुसार सार्वजनिक हित में प्रकाशित की गई है।

मेसर्स अंकुर बायोकेम (प्रा०) लिमिटेड

Ankur Biochem Pvt. Ltd.

Authorised Signatory



GEMS PROJECTS PVT. LTD.

(ENVIRONMENTAL LABORATORY DIVISION)

APPROVED BY JHARKHAND STATE POLLUTION CONTROL BOARD, GOVT OF JHARKHAND

Annexure-V

TEST REPORT

Report Type	STACK	Sampling Details	
Job Registration ID	G/JRN/210301/STACK-01	Sampling Date	26th Feb.2021
ULR Number	.....	Sample Collected By	Sagar & Team
Report Release Date	06-03-2021	Industry Type	Total Spirit Mfg. Unit
Issue to		Company Status	Operating
M/s Ankur Biochem Pvt. Ltd		Sampling Protocol	IS 11255 Part(1,2,7)
At-Dhubi, P.O- Nirsa		Sampling Location	Power Plant Stack
Dist-Dhanbad, Jharkhand		Pollution Control System	ESP
		Shape Of Stack	Circular
		Weather Condition	Clear

General Information

Stack No. if any		Stack-01
Height of Stack from ground	in metre	43.0
Diameter of stack	in metre	1.20
Height of porthole from ground	in metre	15.0

Fuel Characteristic Report & Oven Description

Type of Fuel	Coal
Fuel Consumption	135 TPD
Production Capacity	5 MT/Hour
Total No. of Oven	.....
Oven were in running	.....

Result of Analysis

		Result	Method
Ambient temperature	in ³ K	31	IS 11255 : part(1)
Stack gas temperature	in ⁰ C	112	IS 11255 : part(1)
Stack gas velocity	in ⁰ C	6.17	IS 11255 : part(3)
Volumetric flow rate	in m/s	19434.58	IS 11255 : part(3)
Concentration of Particulate Matter	in Nm ³ /hr	68.41	IS 11255 : part(1)
Concentration of Sulphur dioxide	in mg/Nm ³	97.38	IS 11255 : part(7)
Concentration of Oxides of Nitrogen	in mg/Nm ³	39.61	CPCB Method

Emission Rate	Unit	Result
Dust	kg/hr	1.33
Sulphure dioxide	kg/hr	1.89
Nitrogen Dioxide	kg/hr	0.77

***** End of Report *****

Remarks: Dust Concentration was found within the prescribed limit.

- 1) The Test Report is in accordance with sample received and the test parameters.
- 2) This report is subject to Jharkhand Jurisdiction Only.
- 3) The Test report should not be reproduced partially or whole for advertising or legal claim.

Ky S. Mulla
06/02/2021
Kumal Soni, Moh

Tested by
(Analyst)

120-01



Ankur Biochem Pvt. Ltd.
Authorised Signatory

Lab in Charge
Gems Projects Pvt Ltd



GEMS PROJECTS PVT.LTD.

(ENVIRONMENTAL LABORATORY DIVISION)

APPROVED BY JHARKHAND STATE POLLUTION CONTROL BOARD, GOVT OF JHARKHAND

TEST REPORT

Issued to: M/s Ankur Biochem Pvt.Ltd At-Dhubi, P.O-Nirsa Dist- Dhanbad, Jharkhand		Job Registration ID	G/JRN/210301/CH-01
		ULR Number	-----
		Date of Issue	06-03-2021
		Type of Industries	Total Spirit Mfg.Unit
		Sample Description	Waste Water
Sample Code	G/210301/WW - 01	Sampling Date	27-02-2021
Sample Quantity	2000ml	Sampling Location	ETP Inlet
Sample receiving date	01-03-2021	Sample collected by	Sagar & Team
Sample pkg. condition	Sealed in PP Bottle	Sampling Protocol	IS :3025
Test Start Date	01-03-2021	Test Completion Date	05-03-2021

RESULT

Sl. No.	Parameter	Test Method	Unit	Result	Permissible limit
1	pH	IS:3025(Part-11)	.....	3.43	5.5-9.0
2	Temperature	IS:3025(Part-09)	°C	25.4	---
3	Total Suspended Solid (TSS)	IS:3025(Part-17)	mg/l	89.0	100
4	Total Dissolved Solid (TDS)	IS:3025(Part-16)	mg/l	2240	.....
5	Iron	IS:3025(Part-53)	mg/l	560.0	3.0
6	Oil & Grease	IS:3025(Part-39)	mg/l	3.8	10

*** End of Test report***

Note: - On the basis of the tested parameters, sample complies with the requirement of Effluent water according to CPCB (The Environment Protection Rules, 1986, Schedule - VI) except pH

Remarks:

1. The Test Report is in accordance with sample received and the test parameters.
2. For any Query in test Report, Please contact Quality Manager within 24hrs from the issue date of Report.
3. The test report shall not be reproduced, without the written approval from the laboratory.
4. Any dispute is subject to Ranchi Jurisdiction Only.
5. The Test report shall not be reproduced partially or whole for advertising or as Legal entity.

 06/03/2021 Kumari Soni Mehta	 06/03/2021 Aarti Kumari	 06/03/2021 Sanjeev Kumar Singh
Tested by	Checked by	Issued by
Laboratory Analyst (Chemical)	Section In-Charge (Chemical)	(Laboratory In-Charge)



Ankur Biochem Pvt. Ltd.
Authorised Signatory

Gems Projects Pvt. Ltd



TEST REPORT

Issued to: M/s Ankur Biochem Pvt.Ltd At-Dhubi,P.O-Nirsa Dist- Dhanbad,Jharkhand		Job Registration ID	G/JRN/210301/CH-01
		ULR Number	-----
		Date of Issue	06-03-2021
		Type of Industries	Total Spirit Mfg.Unit
		Sample Description	Waste Water
Sample Code	G/210301/WW - 01	Sampling Date	27-02-2021
Sample Quantity	2000ml	Sampling Location	ETP Outlet
Sample receiving date	01-03-2021	Sample collected by	Sagar & Team
Sample pkg. condition	Sealed in PP Bottle	Sampling Protocol	IS :3025
Test Start Date	01-03-2021	Test Completion Date	05-03-2021

RESULT

Sl. No.	Parameter	Test Method	Unit	Result	Permissible limit
1	pH	IS:3025(Part-11)	.....	7.59	5.5-9.0
2	Temperature	IS:3025(Part-09)	^o C	25.5	---
3	Total Suspended Solid (TSS)	IS:3025(Part-17)	mg/l	55.0	100
4	Total Dissolved Solid (TDS)	IS:3025(Part-16)	mg/l	88.0	.....
5	Iron	IS:3025(Part-53)	mg/l	22.0	3.0
6	Oil & Grease	IS:3025(Part-39)	mg/l	2.1	10

*** End of Test report ***

Note: - On the basis of the tested parameters, sample complies with the requirement of Effluent water according to CPCB (The Environment Protection Rules, 1986, Schedule - VI)

Remarks:

1. The Test Report is in accordance with sample received and the test parameters.
2. For any Query in test Report, Please contact Quality Manager within 24hrs from the Issue date of Report.
3. The test report shall not be reproduced, without the written approval from the laboratory.
4. Any dispute is subject to Ranchi Jurisdiction Only.
5. The Test report shall not be reproduced partially or whole for advertising or as Legal entity.

Kumari Soni Mehta	Aarti Kumar	Sanjeev Kumar Singh
Tested by	Checked by	Issued by
Laboratory Analyst (Chemical)	Section In-Charge (Chemical)	(Laboratory In-Charge)

Lab In-Charge
Gems Projects Pvt. Ltd



Ankur Biochem Pvt. Ltd.
Authorised Signatory