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M/S. Mula SSK Ltd.

“Sugar Unit Molasses based Distillery and Cogeneration
Power Plant” at post Sonai, Tal.-Newsa, Ahmednagar.

PART A

CURRENT STATUS OF WORK

CURRENT STATUS OF WORK

- Distillery Plant (30 KLPD to 45 KLPD): Work in progress
- Sugar Plant (5500 TCD): Work completed
- Co-generation Power plant (30 MW): Work completed

PART B

POINT WISE COMPLIANCE STATUS

: PART B:

2. Point wise compliance status to various stipulations laid down by the Ministry in its clearance letter No. J-11011/131/2014-IA.II (I) dated 22.01.2016 are as follows:

Sr. No	Condition	Status
General Conditions:		
(i)	Environmental clearance accorded is for molasses based distillery unit (45 KLPD) only and no grain based distillery unit shall be operated without prior permission from the Ministry.	Noted, 45 KLPD Distillery unit is based on molasses only.
(ii)	As proposed, Electrostatic precipitator (ESP) along with stack of adequate height should be provided to bagasse / biogas fired boiler to control particulate emissions within 50 mg/Nm ³ . At no time, the emission levels shall go beyond the prescribed standards. In the event of failure of any pollution control system adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired deficiency.	Complying with Electrostatic precipitators with stack of height 70 meter and 75 meter were provided for the co-gen boilers of 80 TPH and 85 TPH capacities. Stack monitoring is being carried out regularly for 2 stacks of co-gen power plant and 1 stack of DG set. Please refer Annexure No.1
(iii)	In plant, control measures for checking fugitive emissions from all the vulnerable sources shall be provided. Fugitive emissions shall be controlled by providing closed storage, closed handling, & conveyance of chemicals/materials, multi cyclone separator and water sprinkling system. Dust suppression system including water sprinkling system shall be provided at loading and unloading areas to control dust emissions. Fugitive emissions in the work zone environment, product, raw material storage area, etc. shall be regularly monitored and records shall be maintained. The emissions shall conform to the limits prescribed by Maharashtra Pollution Control Board.	Complied, Following mitigation measures to control the fugitive emissions were implemented <ul style="list-style-type: none"> ➤ Green belt has been developed within project premises ➤ Production and bagging (packing) of sugar is in closed yard ➤ Bagasse is handled by closed conveyer system ➤ Dust suppression system including water sprinkling system provided at loading and unloading areas to control dust emissions. ➤ Regular air quality monitoring regularly in the company premises.
(iv)	The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB guidelines. Acoustic enclosure shall be provided to the DG set to mitigate the noise pollution.	Complied, Acoustic enclosure has been provided for the DG set 500 KVA with stack of height 5 meters. Stack emissions are being monitored regularly through MoEF&CC, recognized laboratory.
(v)	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	Complied, Regularly ambient air quality monitoring of PM10, PM2.5, SO2, NOx, CO and submitted to Regional Office of MoEF, the respective Zonal Office of CPCB and the MPCB.

Sr. No	Condition	Status
	respective Zonal Office of CPCB and the MPCB. The levels of PM ₁₀ , PM _{2.5} , SO ₂ , NO _x , CO and HC (Methane) in ambient air shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	We are uploaded a copy of environmental clearance letter, compliance status below the link https://mulasugar.com
(vi)	Pucca approach road to project site shall be constructed prior to commencing construction activity of the main distillery to avoid fugitive emissions.	Good Tar road is already provided to existing distillery.
(vii)	Total fresh water requirement from irrigation department, Govt. of Maharashtra shall not exceed 309 m ³ /day for distillery (molasses), 308 m ³ /day for sugar unit and 555 m ³ /day for cogeneration unit after expansion. No ground water shall be used without permission. Effort shall be made to use recycled water from sugar and condensate of MEE for the co-generation power unit.	Complied, Agreement with Irrigation department, Govt. of Maharashtra on 09.10.2017 for supply of water from Mula Right Bank canal. Recycled water from sugar and co-generation unit is being reused in the process. No ground water withdrawal for industry.
(viii)	Spent wash generation from molasses based distillery shall be treated in bio-methanation reactor. Treated spent wash will be evaporated in MEE and concentrated spent wash will be bio composted by mixing with press mud generated from sugar unit to achieve "Zero" discharge. Effluent from sugar, spentless utilities spentless, utilities effluent and evaporator condensate shall be treated in effluent treatment plant and recycle/reused in process. No effluent shall be discharged outside the premises and 'Zero' discharge shall be maintained.	45 KLPD Distillery is yet to be established.
(ix)	Wastewater generation from the sugar unit shall not exceed 100 litre per tonne of cane crushed. Effluent from sugar unit shall be treated in the effluent treatment plant.	Complied. Waste water from the sugar unit is treated in the effluent treatment plant and has not crossed the quantity 100 L/Tonne of cane crushed. Treated effluent are monitor regularly.
(x)	Spent wash shall be stored in impervious pucca lagoons (RCC) with proper lining with HDPE and shall be kept in proper condition to prevent ground water pollution. The storage of spent wash shall not exceed 30 days capacity.	45 KLPD Distillery is yet to be established.
(xi)	Adequate numbers of ground water quality monitoring stations by providing piezometers around the project area shall be set up. Sampling	45 KLPD Distillery is yet to be established. Piezometers will be installed near

Sr. No	Condition	Status
	and trend analysis monitoring must be made on monthly a basis and report submitted to SPCB and this Ministry. The ground water quality monitoring of pH, BOD, COD Chloride, sulphate and total dissolved solids shall be monitored. Sampling and trend analysis monitoring must be monthly basis and report submitted to the Ministry Regional Office at Bhopal, and MPCB.	compost yard area. Ground water quality was monitored at one location near Grampanchayat, Sonai village.. As per the report, ground water quality was within prescribed limits. Please, refer Annexure no.1
(xii)	Process effluent/any waste water shall not be allowed to mix with storm water. Storm water drain shall be passed through guard pond.	Storm water drains have been provided in the plant area. Storm water drain is connected to pit for storage of rain water.
(xiii)	Company shall ensure the quality and marketability of bio-compost produced by distilleries by standard labeling such as ‘AGMARK’	45 KLPD Distillery is yet to be established.
(xiv)	As proposed, no effluent from distillery and co-generation power plant shall be discharged outside the plant premises and Zero discharge shall be adopted.	45 KLPD Distillery is yet to be installed. Effluent from co-gen power plant is being treated and recycled into the process.
(xv)	Continuous online (24 x 7) monitoring to be installed for flow measurement and measurement of pollutants within the treatment unit. Data to be uploaded on company’s website and provided to the respective RO of MoEF & CC and SPCB.	Automatic/online monitoring system for flow measurement and relevant pollutants in the treatment system are installed and connected to the SPCB server.
(xvi)	Boiler ash shall be stored separately as per CPCB guidelines so that it shall not adversely affect the air quality, becoming air borne by wind or water regime during rainy reason by flowing along with the storm water. Direct exposure of workers to fly ash and dust shall be avoided. Bagasse ash and coal ash shall be separately.	Complying with. Only bagasse is being used as fuel in co-gen power plant. Boiler ash is being stored and being used for compost preparation.
(xvii)	Bagasse/rice husk storage should be done in such a way that it does not get air borne or fly around due to wind.	Complying with. Bagasse is stored in bagasse yard in baled form. It is covered with tarpaulin cover.
(xviii)	Fire fighting system shall be as per the norms and cover all areas where alcohol is produced, handled and stored. Provision of foam system for firefighting shall be made to control fire from the alcohol storage tank.	Complied Fire fighting system has been provided for the plant. Foam system has been provided for alcohol storage area of existing distillery.

Sr. No	Condition	Status
(xix)	Risk assessment should be carried to assess the fire and explosion risk due to storage of alcohol and report submitted to the Ministry and its Regional Office, Bhopal within six months.	Complied, Risk assessment report submitted to Regional Office vide letter no. Mfg./1462/2016 dated 07.07.2016
(xx)	Occupational health surveillance programme should be undertaken as regular exercise for all the employees. The first aid facilities in the occupational health centre should be strengthened and the regular medical test records of each employee should be maintained separately.	Complied. Medical check up of all the employees is being carried out once in 6 months. Medical records are being maintained as per Factories Act.
(xxi)	Dedicated parking facility for loading and unloading of material shall be provided in the factory premises. Unit shall develop and implement good traffic management system for their incoming and outgoing vehicles to avoid congestion on the public road.	Complied. Parking facility has been provided near to the plant. Separate roads have been provided for incoming and out coming vehicles. The vehicle movement is being controlled by Security.
(xxii)	All the issues raised during the public hearing / consultation meeting held on 10 th March, 2015 should be satisfactorily implemented.	Noted.
(xxiii)	As proposed, green belt over 110 acres of land shall be developed within plant premises with at least 10 meter wide green belt on all sides along the periphery of the project area in down word direction and along road sides etc. Selection of plant species shall be as per as the CPCB guidelines in consultations with the DFO.	Complied. Green belt has been provided in and around the plant over an area of 110 acres with plantation of 60668 nos. of trees of different species.
(xxiv)	At least 5% of the total cost of the project should be earmarked towards the Enterprise Social Commitment (ESC) based on local needs and action plan with financial and physical breakup/details should be prepared and submitted the Ministry's Regional Office at Bhopal. Implementation of such program should be ensured accordingly in a time bound manner.	We have implemented various social development activities. List of social development activities in surrounding area.
(xxv)	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, mobile Sewage Treatment Plant, safe drinking water, medical health care, crèche & First Aid Room 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.	Expansion of sugar and co-gen power plant completed. 45 KLPD distillery is yet to be established.

Sr. No	Condition	Status
B. General conditions		
(i)	The project authorities must strictly adhere to the stipulations made by the Maharashtra Pollution Control Board (MPCB), State Government and any other statutory authority.	Agree and comply with
(ii)	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alternations 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.	Agree and comply with. > Whenever we will propose expansion, we will take prior environmental clearance from concern authority / MoEF&CC, Delhi. > We undertake that no further extra production in the plant shall be carried out without prior approval of MoEF, New Delhi.
(iii)	The locations of ambient air quality monitoring stations shall be decided in consultation with the MPCB and it shall be ensured that at least one stations is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	Complying with Ambient air quality monitoring is being carried out at three location within project site.
(iv)	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measure including acoustic hoods, silencers, enclosures, etc. on all sources of noise generation. The ambient noise levels shall conforms to the Standards prescribed under environment (protection) Act, 1986 and rules 1989 viz. 75 dBA (day time) and night time 70 dBA (night).	Complied. Acoustic enclosures have been provided for the DG set. Green belt has been developed around the plant area.
(v)	The company shall harvest rainwater from the roof-tops of the buildings and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water.	Complied. Roof top harvesting has been provided for the sugar godowns. Two collections pits of capacities 7616 cu.m. and 6586 cu.m. have been provided for the storage of rain water.
(vi)	During transfer of materials, spillages shall be avoided and garland drains be constructed to avoid mixing of accidental spillages with domestic waste water and storm water drains.	Raw material and finished product are solids. Major spillage of materials is not envisaged.
(vii)	Usage of personnel protection equipments by all employees/workers shall be ensured.	Complied. Personnel protective equipment has been provided to workers.
(viii)	Training shall be imparted to all employees on safety and health aspects of chemical handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all	Complying with. Regular training is being imparted to workers through in house faculty. Also training is provided by faculty from Vasantdada Sugar Institute (VSI),

Sr. No	Condition	Status
	employees on handling of chemicals shall be imparted.	Pune. Medical checkup of employees is being carried out once 6 months.
(ix)	The company shall also comply with environmental protection measures and safeguards proposed in the project report submitted to Ministry. All the recommendations made in the EIA / EMP in respect of environmental management, risk mitigation measure, and public hearing relating to the project shall be implemented.	Agreed and comply with. ➤ ESP's with stack height of height 70 meter and 75 meter have been provided ➤ Effluent treatment plant has been provided ➤ Treated effluent is used in the seed farms of the industry also supplied to the agriculture fields of farms of nearby villages upon prior request from farmers. ➤ Green belt has been developed ➤ Environmental monitoring is being carried out.
(x)	The company shall undertake CSR activities and all relevant measures for improving the socio economic conditions of the surrounding area.	Complied. List of CSR activities carried out in enclosed as Annexure 2 .
(xi)	The company shall undertake eco-development measures including community welfare measures in the project area for the overall improvement of the environment.	Noted
(xii)	A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	Complied. Environment management cell is established and it is headed by qualified and experienced officer.
(xiii)	The company shall earmark sufficient funds for recurring cost per annum to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management / pollution control measure shall not be diverted for any other purpose.	Complying with. Separate funds are allocated for implementation of environmental protection measures / EMP along with item-wise breaks-up. Budgetary Allocation for Environmental Management Plans For Operation Phase- Capital Cost-22/- Crores O&M Cost: 7.9 Crores/annum
(xiv)	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zila Parishad / Municipal Corporation, Urban local body and the local NGO if any from who suggestions/representations, if any were received while processing the proposal.	Complied. Environment Clearance letter copy is submitted to Zilha parishad, Grampanchayat and local NGO and its acknowledgement copy submitted in previous submission report (i.e. June 2016)
(xv)	The project proponent shall also submit six	Complied.

Sr. No	Condition	Status
	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, the respective Zonal Office of CPCB and the MPCB. A copy of Environment clearance and six monthly compliance status report shall be posted on the Ra of the company.	Regular submission of six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data to Regional Office, MoEF, Nagpur and the respective Zonal office of CPCB and the SPCB.
(xvi)	The environmental statement for each financial year ending 31 st March in Form-V as is mandated to 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 EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.	Complied, Environmental statement report (form -V) for financial year (2019-2020) was submitted on dated 28 th September 2020 to the Maharashtra pollution control board. Its copy submitted in previous report (i.e.Dec.2020).
(xvii)	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 at http://envfor.nic.in . This shall be advertised within seven days from the date of issue of the clearance letter at least two local news paper 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, Advertisement is a published in local Marathi newspaper- "Punyanagari" and "Sarvmat" on 5 th February 2016. Its copy submitted in previous report.
(xviii)	The project authorities shall inform the Regional office as well as Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	Noted.
8.0	The Ministry may revoke or suspend the clearance, if implementation of any above conditions not satisfactory.	Noted
9.0	The Ministry reserves the right to stipulate additional conditions if found necessary. The company in a time bound manner will implement these conditions.	Noted
10.0	The above conditions will be enforced inter-alia under the provisions of the water (prevention and control of pollution)act 1974, the Air	Noted

M/S. Mula SSK Ltd.

“Sugar Unit Molasses based Distillery and Cogeneration
Power Plant”at post Sonai, Tal.-Newsa, Ahmednagar.

Sr. No	Condition	Status
	(prevention and control of pollution) Act,1981, the environment (protection) Act,1986 and rules their under, hazardous waste (Management and Handling and Trans-boundary Movement) Rules,2008 and it's amendment, the public liability insurance act,1991 and it's amendments.	

PART C - ENCLOSURES

SR. NO.	ENCLOSURES
ENCLOSURE I	DATA SHEET
ENCLOSURE II	ENVIRONMENTAL CLEARANCE COPY
ENCLOSURE III	RENEWAL CONSENT TO OPERATE COPY

ENCLOSURE I

DATA SHEET

Monitoring the Implementation of Environmental Safeguards
Ministry of Environment, Forest and Climate Change
Regional Office (WCZ), Nagpur

DATA SHEET

1.	Project type: River - valley/ Mining / Industry / Thermal / Nuclear / Other (specify)	:	Industrial Project (Sugar, Cogen and Distillery)
2.	Name of the project	:	"Mula SSK Ltd.
3.	Clearance letter (s) / OM No. and Date	:	Clearance Letter No. J-11011/131/2014-IA.II (I), Dated 22 nd January, 2016
4.	Location	:	
	a. District (S)	:	Ahmednagar
	b. State (s)	:	Maharashtra
	c. Latitude/ Longitude	:	19°22'.45.39" N 74°50'22.42" E
5.	Address for correspondence	:	
	a. Address of Concerned Project Manager Chief Engineer (with pin code & Telephone / telex / fax number	:	Mr.S.S.Belhekar Managing Director M/s. Mula SSK Ltd., at Post -Sonai, Tal.-Newsa, Ahmednagar.
	b. Address of Project: Engineer/Manager (with pin code/ Fax numbers)	:	Mr.S.S.Belhekar Managing Director Mula S S K Ltd Sonai Tal.-Newsa, Ahmednagar. Tel -02427-231303,04,05,06 Fax-02427-231307 Email-mulassk@yahoo.co.in
6.	Salient features	:	
	a. of the project	:	<ul style="list-style-type: none"> ➤ Sugar Unit -(From 3500 TCD to 5500 TCD) ➤ Molasses base Distillery -(From 30 to 45 KLPD) ➤ Cogeneration Power Plant-(From 16 MW to 30 MW)
	b. of the environmental management plans	:	<ul style="list-style-type: none"> ➤ Emission Control Engineering ➤ Water & wastewater management ➤ Greening Drive ➤ Environmental Monitoring
7.	Breakup of the project area	:	
	a. submergence area forest & non-forest	:	Non Forest
	b. Others	:	<ul style="list-style-type: none"> • Green Belt: 96 acre • Factory Sheds & buildings-12.25 acre • Open space, utilize for Bagasse storage, WTP, ETP, Molasses storage tank, Cooling tower, Spray pond, Switch yard & 15 days storage for ETP treated water-31.15 acre

8.	Breakup of the project affected Population with enumeration of Those losing houses / dwelling units Only agricultural land only, both Dwelling units & agricultural Land & landless labourers/artisan	:	No
	a. SC, ST/Adivasis	:	No
	b. Others (Please indicate whether these Figures are based on any scientific And systematic survey carried out Or only provisional figures, it a Survey is carried out give details And years of survey)	:	No
9.	Financial details	:	
	a. Project cost as originally planned and subsequent revised estimates and the year of price reference :		
	1. Estimated Cost of the Project	:	283.57 Cr
	b. Allocation made for environ-mental management plans with item wise and year wise Break-up.	:	Environmental Management Plan (EMP)
	c. Benefit cost ratio / Internal rate of Return and the year of assessment	:	During operational Phase: Capital Cost- Rs. 22/- Cr O&M Cost: Rs. 7.9 Cr/annum
	d. Whether (c) includes the Cost of environmental management as shown in the above.	:	
	e. Actual expenditure incurred on the project so far	:	--
	f. Actual expenditure incurred on the environmental management plans so far	:	--
10.	Forest land requirement	:	
	a. The status of approval for diversion of forest land for non-forestry use	:	Not Applicable
	b. The status of clearing felling	:	Not Applicable
	c. The status of compensatory afforestation, it any	:	Not Applicable
	d. Comments on the viability & sustainability of compensatory afforestation program in the light of actual field experience so far	:	Not Applicable
11.	The status of clear felling in Non-forest areas (such as submergence area of reservoir, approach roads), it any with quantitative information	:	Not Applicable
12.	Status of construction	:	➤ Distillery Plant (30 KLPD to 45 KLPD): Work in progress ➤ Sugar Plant (5500 TCD): Work completed

			➤ Co-generation Power plant (30 MW): Work completed
	a.	Date of commencement (Actual and/or planned)	: January 2016
	b.	Date of completion (Actual and/or planned)	: May 2016
13.		Reasons for the delay if the Project is yet to start	: Not applicable
14		Dates of site visits	:
	a.	The dates on which the project was monitored by the Regional Office on previous Occasions, if any	: 04.07.2018
	b.	Date of site visit for this monitoring report	: --
15.		Details of correspondence with Project authorities for obtaining Action plans/information on Status of compliance to safeguards Other than the routine letters for Logistic support for site visits)	: Not any
		(The first monitoring report may contain the details of all the Letters issued so far, but the Later reports may cover only the Letters issued subsequently.)	:

ENCLOSURE II

ENVIRONMENTAL CLEARANCE COPY