STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

Environment department,
Room No. 217, 2nd floor,
Mantralaya, Annexe,
Mumbai- 400 032.
Date:September 11, 2019

To,
M/s Sahakar Maharshi Shivajirao Narayanrao Nagawade SSK Ltd.
at Gat. No. 52/2

Subject: Environment Clearance for Proposed 26 MW bagasse based Co-generation unit

Sir,

This has reference to your communication on the above mentioned subject. The proposal was considered as per the EIA Notification - 2006, by the State Level Expert Appraisal Committee-I, Maharashtra in its 161st meeting and recommend the project for prior environmental clearance to SEIAA. Information submitted by you has been considered by State Level Environment Impact Assessment Authority in its 174th meetings.

2. It is noted that the proposal is considered by SEAC-I under screening category Category B, Sr. No. 1 (d) as per EIA Notification 2006.

Brief Information of the project submitted by you is as below :-

1.Name of Project	Proposed 26 MW bagasse based co-generation unit by M/s Sahakar Maharshi Shivajirao Narayanrao Nagawade SSK Ltd, Plot No 52/2, Limpangaon Village, Tal- Shrigonda, Dist- Ahmednagar, Maharashtra
2.Type of institution	Private
3.Name of Project Proponent	M/s Sahakar Maharshi Shivajirao Narayanrao Nagawade SSK Ltd.
4.Name of Consultant	M/s SGM Corporate Consultants Pvt. Ltd.
5.Type of project	Industrial Project
6.New project/expansion in existing project/modernization/diversification in existing project	It is a Proposed New Project of 26 MW bagasse based Co-generation Plant with 180 Operational days
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not Applicable
8.Location of the project	Gat. No. 52/2
9.Taluka	Shrigonda
10.Village	Limpangaon
Correspondence Name:	Mr. R.S.Naik
Room Number:	Gat. No. 52/2
Floor:	Not Applicable
Building Name:	M/s Sahakar Maharshi Shivajirao Narayanrao Nagawade SSK Ltd.
Road/Street Name:	Not Applicable
Locality:	Village- Limpangaon, Tal- Shrigonda, District- Ahmednagar
City:	Shrigonda
11.Whether in Corporation / Municipal / other area	Grampanchayat Limpangaon
12.IOD/IOA/Concession/Plan Approval Number	Not Applicable
	IOD/IOA/Concession/Plan Approval Number: Not Applicable
	Approved Built-up Area: 5545

13.Note on the initiated work (If applicable)	Not Applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	331800
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**FSI area (sq. m.):** Not applicable
	Non FSI area (sq. m.): Not applicable
	Total BUA area (sq. m.): 5545
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** NA
	Approved Non FSI area (sq. m.): NA
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	1304350000

22.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Proposed 26 MW bagasse based cogeneration unit	0	26 MW	26 MW

23.Total Water Requirement

Dry season:	**Source of water**	Ghod canal
	Fresh water (CMD):	938.4
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	5111.6
	Fire fighting - Underground water tank(CMD):	Prposed underground water tank of 1000 m3
	Fire fighting - Overhead water tank(CMD):	Not Applicable
	Excess treated water	Recycled water for industrial use= 4120.2 m3
Wet season:	**Source of water**	Ghod canal
	Fresh water (CMD):	938.4
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	5111.6
	Fire fighting - Underground water tank(CMD):	Prposed underground water tank of 1000 m3
	Fire fighting - Overhead water tank(CMD):	Not Applicable
	Excess treated water	Recycled water for industrial use= 4120.2 m3
Details of Swimming pool (If any)	Not applicable	

24.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	0	6	6	0	1	1	0	5	5
Industrial Process	0	5111.6	5111.6	0	Loss= 938.4 m3, Recycle = 4120.2 m3	Loss= 938.4 m3, Recycle = 4120.2 m3	0	53	53

25.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Around 50 m
	Size and no of RWH tank(s) and Quantity:	Will be detailed & given in EIA report
	Location of the RWH tank(s):	Will be detailed & given in EIA report
	Quantity of recharge pits:	Will be detailed & given in EIA report
	Size of recharge pits :	Will be detailed & given in EIA report
	Budgetary allocation (Capital cost) :	20 Lacs
	Budgetary allocation (O & M cost) :	2 Lac
	Details of UGT tanks if any :	Existing water reservoir capacity = 88500 m3
26.Storm water drainage	**Natural water drainage pattern:**	Will be detailed in EIA report
	Quantity of storm water:	Will be detailed in EIA report on the basis of on site meteorological data & maximum rainfall data
	Size of SWD:	Will be detailed in EIA report
27.Sewage and Waste water	**Sewage generation in KLD:**	5
	STP technology:	Septic tank & Soak Pit
	Capacity of STP (CMD):	NA
	Location & area of the STP:	-
	Budgetary allocation (Capital cost):	15 Lac
	Budgetary allocation (O & M cost):	1.5 Lac

28.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction waste debris
	Disposal of the construction waste debris:	To Authorized dealers
Waste generation in the operation Phase:	**Dry waste:**	Boiler Ash= 19.6 MT/D
	Wet waste:	Canteen waste
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable
Mode of Disposal of waste:	**Dry waste:**	Boiler Ash- Biocomposting
	Wet waste:	canteen waste- As manure in factory green belt area
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable
Area requirement:	**Location(s):**	Not applicable
	Area for the storage of waste & other material:	0.5 Acre for Storage of Boiler Ash
	Area for machinery:	BUA= 5545 sq.m.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	25 Lakh
	O & M cost:	1.25 Lakh

29.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	-	6-6.5	5.5-8.5	5.5-8.5
2	SS	mg/lit	250-300	<100	<100
3	BOD	mg/lit	650-750	<100	<100
4	COD	mg/lit	1200-1400	<250	<250
5	TDS	mg/lit	800-950	<2100	<2100

Amount of effluent generation (CMD):	53
Capacity of the ETP:	Existing sugar ETP capacity of 1000 CMD will accomodate the effluent from proposed co-gen unit also.
Amount of treated effluent recycled :	53 CMD
Amount of water send to the CETP:	Nil
Membership of CETP (if require):	Not applicable
Note on ETP technology to be used	ETP technofeasibility report is attached
Disposal of the ETP sludge	Solid waste generated from Existing sugar ETP (Primary & secondary sludge) is being dried on separated sludge drying beds. Dried sludge is used as manure in company's farm land for cultivation.

30.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	NA	NA	NA	NA	NA	NA	NA

31.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Proposed cogeneration unit boiler of 140 TPH	Bagasse requirement for 180 operational days = 228786.75 MT	1	73 m	4	150 Degree.C

32.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Bagasse requirement for 180 operational days	0	228786.75 MT	228786.75 MT

33.Source of Fuel	Bagasse From Existing Sugar Unit
34.Mode of Transportation of fuel to site	Bagasse From Existing Sugar Unit - Inline conveyor system. Through RBC (Return bagasse carrier)

35.Energy

Power requirement:	**Source of power supply :**	Startup with MSEDCL & Susequently through own TG set.
	During Construction Phase: (Demand Load)	500 KW
	DG set as Power back-up during construction phase	Proposed DG sets- 1 x 750
	During Operation phase (Connected load):	Proposed DG sets- 1 x 750 KVA
	During Operation phase (Demand load):	7 MW for Sugar Unit, Distillery Unit, Boiler & Utilities
	Transformer:	Existing transformer of 500 KVA.
	DG set as Power back-up during operation phase:	Proposed DG sets- 2 x 900 KVA
	Fuel used:	HSD for Proposed DG sets (1 x 750 KVA) - 200 lit/h
	Details of high tension line passing through the plot if any:	Not Applicable

Energy saving by non-conventional method:

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36.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %

1	Recovery of Energy from condensate, Flue Gases	Will be detailed in EIA report
2	Variable Frequency Drives for fans & motors	Will be detailed in EIA report

37.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Stack of Proposed co-gen unit boiler of 140 TPH	NA	Electrostatic Precipitator

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Details will be provided in EIA
	O & M cost:	Details will be provided in EIA

38.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Noise, Water & Soil Pollution control & Occupational health & safety	-	2 Lacs

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Electrostatic Precipitator will be provided to the stack	The boiler will be equipped with high efficiency three field Electro Static Precipitator, which will remove the suspended particles and ash particles from the flue gas.	70	02
2	ETP	Existing sugar ETP of 1000 CMD will accomodate the effluent from co-gen unit also	150	10
3	Rainwater Harvesting	-	20	02
4	Occupational Health & Safety	-	15	03
5	Laboratory Equipment, Monitoring & Environmental Audit	-	15	03
6	Green belt development	-	20	04
7	Fire fighting for co-gen unit	-	45	2.5
8	Proposed Boiler Stack of co-gen unit	-	100	-
9	Ash handling system	-	100	03

10	Environmental Monitoring	-	-	02

39.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not application

40.Any Other Information

No Information Available

	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable
	Category as per schedule of EIA Notification sheet	Category B, Sr. No. 1 (d)
	Court cases pending if any	Not applicable
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

3. The proposal has been considered by SEIAA in its 174th meeting & decided to accord environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implementation of the following terms and conditions:

Specific Conditions:

I	PP to upload agreement/ permisison obtianed from the competent Authority to draw water from Ghod canal.
II	PP to ensure that no waste either liquid or solid shall be disposed off outside the premises without adequate treatment.
III	PP to prepare and implement CER plan in consultation with the District Collector as per OM issue dby MoEF&CC dated 01.05.2018.
IV	PP to use new and renewable energy source for the illumination of street lights and office buildings.
V	PP shall obtain Permission for the land development from the competent planning authority (the District Collector/ Town Planning Department).
VI	PP to submit CER plan to District Collector and submit the acknowledgement to Member Secretary, SEIAA.
VII	PP to submit CER plan to District Collector and submit the acknowledgement to Member Secretary, SEIAA.
VIII	PP to ensure to comply with the conditions stipulated in the Office Memorandum issued by MoEF & CC dated 9th August, 2018.
IX	SEIAA decided to grant EC for: FSI:28031.38 m2, Non-FSI: 303768.62 m2 and Total BUA: 331800.00 m2 Approval no-KaVi/Jamin/BAP/SR/19/2019, Date-06.08.2019)

General Conditions:

I	(i)PP to achieve Zero Liquid Discharge ; PP shall ensure that there is no increase in the effluent load to CETP.
II	No additional land shall be used /acquired for any activity of the project without obtaining proper permission.
III	PP to take utmost precaution for the health and safety of the people working in the unit as also for protecting the environment.
IV	Proper Housekeeping programmers shall be implemented.
V	In the event of the failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieve.
VI	A stack of adequate height based on DG set capacity shall be provided for control and dispersion of pollutant from DG set. (If applicable).
VII	A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.
VIII	Arrangement shall be made that effluent and storm water does not get mixed.
IX	Periodic monitoring of ground water shall be undertaken and results analyzed to ascertain any change in the quality of water. Results shall be regularly submitted to the Maharashtra Pollution Control Board.

X	Noise level shall be maintained as per standards. For people working in the high noise area, requisite personal protective equipment like earplugs etc. shall be provided.
XI	The overall noise levels in and around the plant are 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 confirm to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989.
XII	Green belt shall be developed & maintained around the plant periphery. Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.
XIII	Adequate safety measures shall be provided to limit the risk zone within the plant boundary, in case of an accident. Leak detection devices shall also be installed at strategic places for early detection and warning.
XIV	Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per Factories Act.
XV	(The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.
XVI	The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous wastes in accordance with the Hazardous Waste (Management and Handling) Rules, 2003 (amended). Authorization from the MPCB shall be obtained for collections/treatment/storage/disposal of hazardous wastes.
XVII	Regular mock drills for the on-site emergency management plan shall be carried out. Implementation of changes / improvements required, if any, in the on-site management plan shall be ensured.
XVIII	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
XIX	Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department
XX	The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at http://ec.maharashtra.gov.in
XXI	Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1st June & 1st December of each calendar year.
XXII	A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation 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.
XXIII	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM. SO2, NOx (ambient levels as well as stack emissions) or critical sectorai parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
XXIV	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated 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 SPCB.
XXV	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.

4. The environmental clearance is being issued without prejudice to the action initiated under EP Act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP Act or of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him, if any or action initiated under EP Act.

5. In case of submission of false document and non-compliance of stipulated conditions, Authority/ Environment Department will revoke or suspend the Environment clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.

6. The Environment department reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.

7. Validity of Environment Clearance: The environmental clearance accorded shall be valid as per EIA Notification, 2006, and amendments by MoEF&CC Notification dated 29th April, 2015.

8. In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.

9. The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.

10. Any appeal against this Environment clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune),New Administrative Building, 1stFloor, D-, Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

Shri. Anil Diggikar (Member Secretary SEIAA)

Copy to:

1. SHRI JOHNY JOSEPH, CHAIRMAN-SEIAA
2. SHRI UMAKANT DANGAT, CHAIRMAN-SEAC-I
3. SHRI M.M.ADTANI, CHAIRMAN-SEAC-II
4. SHRI ANIL .D. KALE. CHAIRMAN SEAC-III
5. SECRETARY MOEF & CC
6. IA- DIVISION MOEF & CC
7. MEMBER SECRETARY MAHARASHTRA POLLUTION CONTROL BOARD MUMBAI
8. REGIONAL OFFICE MOEF & CC NAGPUR
9. MUNICIPAL COMMISSIONER PUNE
10. MUNICIPAL COMMISSIONER SATARA
11. REGIONAL OFFICE MPCB PUNE
12. REGIONAL OFFICE MIDC PUNE
13. MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD
14. COLLECTOR OFFICE PUNE
15. COLLECTOR OFFICE SATARA
16. COLLECTOR OFFICE SOLAPUR