



## STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

Environment department,  
Room No. 217, 2nd floor,  
Mantralaya, Annexe,  
Mumbai- 400 032.  
Date: October 23, 2017

To,  
M/s. Shri Dnyaneshwar SSK Ltd, Bhende Bk. Tal- Newasa, Dist- Ahmednagar. (M.S.)  
at Survey NO 320 & 334

**Subject:** Environment Clearance for PROPOSED EXPANSION OF Co-gen. Power Plant to 31.5 MW & Sugar Mill to 7000 TCD

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 th 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 SEIAA Meeting No. 110th meetings.

2. It is noted that the proposal is considered by SEAC-I under screening category 5 (j) B, 1(d)- as per EIA Notification 2006.

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

1.Name of Project	PROPOSED EXPANSION OF Co-gen. Power Plant to 31.5 MW & Sugar Mill to 7000 TCD
2.Type of institution	Private
3.Name of Project Proponent	M/s. Shri Dnyaneshwar SSK Ltd, Bhende Bk. Tal- Newasa, Dist- Ahmednagar. (M.S.)
4.Name of Consultant	Ultra- Tech Environment consultancy and Lab (Lab. MoEF gazetted).
5.Type of project	Modernization for Sugar & Expansion for co-gen
6.New project/expansion in existing project/modernization/diversification in existing project	Modernization for Sugar & Expansion for co-gen
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes
8.Location of the project	Survey NO 320 & 334
9.Taluka	Tal. Newasa
10.Village	Bhende (Bk)
11.Area of the project	Grampanchayat Bhende (Bk)
12.IOD/IOA/Concession/Plan Approval Number	Grampanchayat Bhende (Bk) <b>IOD/IOA/Concession/Plan Approval Number:</b> Grampanchayat Bhende (Bk) <b>Approved Built-up Area:</b> 1320000
13.Note on the initiated work (If applicable)	Not Any
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	1320000
16.Deductions	Not Applicable
17.Net Plot area	1320000

**SEIAA Meeting No: SEIAA Meeting No. 110 Meeting Date: May 4, 2017 ( SEIAA-STATEMENT-000000273 )**  
**SEIAA-MINUTES-0000000128**  
**SEIAA-EC-0000000167**

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18. Proposed Built-up Area (FSI & Non-FSI)	FSI area (sq. m.): 18000
	Non FSI area (sq. m.): Not applicable
	Total BUA area (sq. m.): 18000
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	969000000



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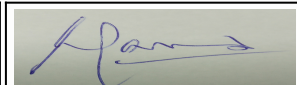
Shri Satish.M.Gavai (Member  
Secretary SEIAA)

## 22. Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Sugar	18000 MT/Month	7200 MT/Month	25200 MT/Month
2	Co-gen Power	12 MW/Hr	19.5 MW/Hr	31.5 MW/Hr

## 23. Total Water Requirement

<b>Dry season:</b>	<b>Source of water</b>	Mula Dam Right Cannal
	<b>Fresh water (CMD):</b>	700
	<b>Recycled water - Flushing (CMD):</b>	3850
	<b>Recycled water - Gardening (CMD):</b>	761
	<b>Swimming pool make up (Cum):</b>	Not applicable
	<b>Total Water Requirement (CMD) :</b>	4550
	<b>Fire fighting - Underground water tank(CMD):</b>	Not applicable
	<b>Fire fighting - Overhead water tank(CMD):</b>	Not applicable
	<b>Excess treated water</b>	Not applicable
<b>Wet season:</b>	<b>Source of water</b>	Mula Dam Right Cannal
	<b>Fresh water (CMD):</b>	15
	<b>Recycled water - Flushing (CMD):</b>	10
	<b>Recycled water - Gardening (CMD):</b>	0
	<b>Swimming pool make up (Cum):</b>	Not applicable
	<b>Total Water Requirement (CMD) :</b>	25
	<b>Fire fighting - Underground water tank(CMD):</b>	Not applicable
	<b>Fire fighting - Overhead water tank(CMD):</b>	Not applicable
	<b>Excess treated water</b>	Not applicable
<b>Details of Swimming pool (If any)</b>	Not applicable	



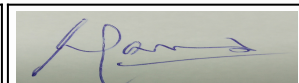
## 24.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Industrial Process	2750	1100	3850	2706	1083	3789	544	217	761
Fresh water requirement	475	190	665	0	0	0	0	0	0
Gardening	544	217	761	0	0	0	0	0	0
Domestic	25	10	35	0	0	0	0	0	0

<b>25.Rain Water Harvesting (RWH)</b>	Level of the Ground water table:	4 to 5m
	Size and no of RWH tank(s) and Quantity:	Not applicable
	Location of the RWH tank(s):	Not applicable
	Quantity of recharge pits:	Not applicable
	Size of recharge pits :	Not applicable
	Budgetary allocation (Capital cost) :	Not applicable
	Budgetary allocation (O & M cost) :	Not applicable
	Details of UGT tanks if any :	Not applicable

<b>26.Storm water drainage</b>	Natural water drainage pattern:	Not applicable
	Quantity of storm water:	Not applicable
	Size of SWD:	Not applicable

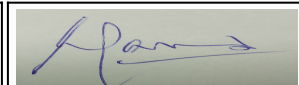
<b>27.Sewage and Waste water</b>	Sewage generation in KLD:	60
	STP technology:	MBBR
	Capacity of STP (CMD):	1 no. 70KL
	Location & area of the STP:	near colony
	Budgetary allocation (Capital cost):	5 lacs
	Budgetary allocation (O & M cost):	1.0Lacs



## 28.Solid waste Management

<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	Not Applicable
	<b>Disposal of the construction waste debris:</b>	Not Applicable
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	350kg/day
	<b>Wet waste:</b>	150kg/day
	<b>Hazardous waste:</b>	0.30 MT/Month
	<b>Biomedical waste (If applicable):</b>	Not Applicable
	<b>STP Sludge (Dry sludge):</b>	5kg/day
	<b>Others if any:</b>	Not applicable
<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	sent to authorized contractor
	<b>Wet waste:</b>	sent for composting
	<b>Hazardous waste:</b>	Reused in own boiler as fuel
	<b>Biomedical waste (If applicable):</b>	Not applicable
	<b>STP Sludge (Dry sludge):</b>	Use as manure
	<b>Others if any:</b>	Not any
<b>Area requirement:</b>	<b>Location(s):</b>	south of layout
	<b>Area for the storage of waste &amp; other material:</b>	20m <sup>2</sup>
	<b>Area for machinery:</b>	Not any
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	5lacs
	<b>O &amp; M cost:</b>	1 lacs

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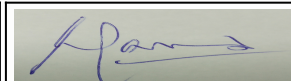


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## 29. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	Not Applicable	3.5-4.5	6-7	5.5-8.5
2	BOD	Mg/lit	719	89	100
3	COD	Mg/lit	1682	238	250
4	TSS	Mg/lit	126	84	100
5	Oil & grease	Mg/lit	6	<2	10
Amount of effluent generation (CMD):		Total 761 m <sup>3</sup> effluent & 525 m <sup>3</sup> excess Spray pond water would be treated in full-fledged ETP			
Capacity of the ETP:		1500 KL			
Amount of treated effluent recycled :		Total 761 m <sup>3</sup> effluent & 525 m <sup>3</sup> excess Spray pond water would be treated in full-fledged ETP Treatment Units			
Amount of water send to the CETP:		Nil			
Membership of CETP (if require):		Nil			
Note on ETP technology to be used		This is sober water except temperature, comes from cooling-purging and boiler blow-down. A detention tank with suitable holding capacity and shallow depth shall be provided. The water after cooling will be suitable for irrigation purpose. As an alternative, this will be used as diluents to moderate effluent, stream (B) below and further treated. The Moderately polluted wastewater is the floor vessel washing, de-min plant, laboratory and process, which has low pH and has organic matter. After			
Disposal of the ETP sludge		To be sent to Composting			

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**Shri Satish.M.Gavai (Member  
Secretary SEIAA)**



### 30. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used/ spent oil	5.1	MT/Month	0.30	0	0.30	Reused in own boiler as fuel

### 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	Boiler 40 TPH	Bagasse	1	65	3.0	120
2	Boiler 80 TPH	Bagasse	2	76	3.33	120
3	Boiler 110 TPH	Bagasse	3	85	3.45	120

### 32. Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Bagasse	708 MT/Day	1053 MT/Day	1761 MT/Day

33. Source of Fuel: Own, Available from cane crushing

34. Mode of Transportation of fuel to site: N.A.

### 35. Energy

<b>Power requirement:</b>	Source of power supply :	Own Power Generation / MSEDCL
	During Construction Phase: (Demand Load)	40KVA
	DG set as Power back-up during construction phase	100KVA
	During Operation phase (Connected load):	3700KVA
	During Operation phase (Demand load):	Not applicable
	Transformer:	Not applicable
	DG set as Power back-up during operation phase:	2 no. of 400KVA & 1 no. of 1000KVA DG sets
	Fuel used:	HSD
Details of high tension line passing through the plot if any:	Not applicable	

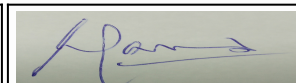
### Energy saving by non-conventional method:

planetary drive for boiling house equipment's and Variable feed drive(VFD)

### 36. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
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1	planetary drive for boiling house equipment's and Variable feed drive(VFD)	3%					
<b>37.Details of pollution control Systems</b>							
<b>Source</b>	<b>Existing pollution control system</b>	<b>Proposed to be installed</b>					
Efluent generation from process	ETP	ETP					
Stack Emission	wetscrubber	ESP					
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Not applicable					
	<b>O &amp; M cost:</b>	Not applicable					
<b>38.Environmental Management plan Budgetary Allocation</b>							
<b>a) Construction phase (with Break-up):</b>							
<b>Serial Number</b>	<b>Attributes</b>	<b>Parameter</b>	<b>Total Cost per annum (Rs. In Lacs)</b>				
1	Air Pollution Control	RSPM, SO2, NOx	1.0				
2	Noise	Decibel	05				
<b>b) Operation Phase (with Break-up):</b>							
<b>Serial Number</b>	<b>Component</b>	<b>Description</b>	<b>Capital cost Rs. In Lacs</b>	<b>Operational and Maintenance cost (Rs. in Lacs/yr)</b>			
1	Air Pollution Control	RSPM, SO2, NOx	300	30			
2	Green Belt	Landscaping	75	10			
3	Online Monitoring	Air and water	60	6			
4	ETP	Effluent	200	25			
5	STP	waste water	25	1.5			
6	Occupational Health	LABOUR Halth check up	5	10			
7	Rainwater Harvesting	tank for rain water harvesting	5	5			
<b>39.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)</b>							
<b>Description</b>	<b>Status</b>	<b>Location</b>	<b>Storage Capacity in MT</b>	<b>Maximum Quantity of Storage at any point of time in MT</b>	<b>Consumption / Month in MT</b>	<b>Source of Supply</b>	<b>Means of transportation</b>
NA	NA	NA	NA	NA	NA	NA	NA
<b>40.Any Other Information</b>							
No Information Available							





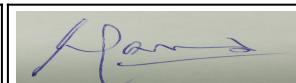
	<b>CRZ/ RRZ clearance obtain, if any:</b>	Not applicable
	<b>Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries</b>	Not applicable
	<b>Category as per schedule of EIA Notification sheet</b>	5 (j) & B, 1(d)-
	<b>Court cases pending if any</b>	NA
	<b>Other Relevant Informations</b>	Not applicable
	<b>Have you previously submitted Application online on MOEF Website.</b>	Yes
	<b>Date of online submission</b>	23-10-2015

**3. The proposal has been considered by SEIAA in its SEIAA Meeting No. 110th 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:**

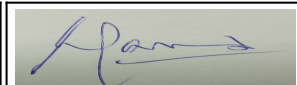
**General Conditions:**

<b>I</b>	No additional land shall be used /acquired for any activity of the project without obtaining proper permission.
<b>II</b>	PP to take utmost precaution for the health and safety of the people working in the unit as also for protecting the environment.
<b>III</b>	Proper Housekeeping programmers shall be implemented.
<b>IV</b>	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.
<b>V</b>	A stack of adequate height based on DG set capacity shall be provided for control and dispersion of pollutant from DG set. (If applicable).
<b>VI</b>	A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.
<b>VII</b>	Arrangement shall be made that effluent and storm water does not get mixed.
<b>VIII</b>	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.
<b>IX</b>	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.
<b>X</b>	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.
<b>XI</b>	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.
<b>XII</b>	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.
<b>XIII</b>	Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per Factories Act.
<b>XIV</b>	(The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.



<b>XV</b>	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.
<b>XVI</b>	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.
<b>XVII</b>	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
<b>XVIII</b>	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
<b>XIX</b>	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 <a href="http://ec.maharashtra.gov.in">http://ec.maharashtra.gov.in</a>
<b>XX</b>	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.
<b>XXI</b>	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.
<b>XXII</b>	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, SO <sub>2</sub> , NO <sub>x</sub> (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.
<b>XXIII</b>	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.
<b>XXIV</b>	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.

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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.

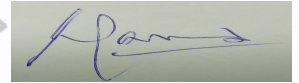
6. The Environment department reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.

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, 1st Floor, D- Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.



Shri Satish.M.Gavai (Member Secretary SEIAA)

**Copy to:**

1. SHRI ANAND. B. KULKARNI, CHAIRMAN-SEIAA
2. SHRI UMAKANT DANGAT, CHAIRMAN-SEAC-I
3. SHRI JOHNY JOSEPH, 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. REGIONAL OFFICE MPCB NASHIK
10. REGIONAL OFFICE MIDC NASHIK
11. MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD
12. COLLECTOR OFFICE AHMEDNAGAR
13. COLLECTOR OFFICE JALGAON
14. COLLECTOR OFFICE DHULE
15. COLLECTOR OFFICE NANDURBAR
16. COLLECTOR OFFICE NASHIK

