STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

Environment department,
Room No. 217, 2nd floor,
Mantralaya, Annexe,
Mumbai- 400 032.
Date:July 20, 2020

To,
Prasad Sugar & Allied Agro Products Ltd.
at Survey number 912-915, Vambori

Subject: Environment Clearance for New 21 MW Co-generation project

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 182nd -Day-1nd 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 200th meetings.

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

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

1.Name of Project	New 21 MW Co-generation project
2.Type of institution	Private
3.Name of Project Proponent	Prasad Sugar & Allied Agro Products Ltd.
4.Name of Consultant	Vasantdada Sugar Institute
5.Type of project	Industrial project
6.New project/expansion in existing project/modernization/diversification in existing project	New 21 MW Co-generation project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	N.A.
8.Location of the project	Survey number 912-915, Vambori
9.Taluka	Rahuri
10.Village	Vambori
11.Whether in Corporation / Municipal / other area	Other area
12.IOD/IOA/Concession/Plan Approval Number	NOC from village Panchayat dated 03/03/2011
	IOD/IOA/Concession/Plan Approval Number: Not applicable
	Approved Built-up Area: 18211
13.Note on the initiated work (If applicable)	No work has been initiated
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NOC from villlage Panchayat dated 03/03/2011
15.Total Plot Area (sq. m.)	1,29,499 sq.m.
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.): 18211
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval:
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	101140000

22.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Electricity	N.A.	21 MW	-

23.Total Water Requirement

Dry season:	**Source of water**	Mula Right bank Canal water
	Fresh water (CMD):	138 CMD (During season) & 209 CMD (During off-season)
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	20 CMD ETP treated water
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	347 CMD
	Fire fighting - Underground water tank(CMD):	200 CM
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	437 CMD
Wet season:	**Source of water**	Not applicable
	Fresh water (CMD):	Not applicable
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	Not applicable
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
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	N.A.	5.0	5.0	N.A.	3.0	3.0	N.A.	3.0	3.0

25.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	20 and 40 m
	Size and no of RWH tank(s) and Quantity:	17,655 sq.m.-01 No., Quantity- 6000 cu.m.
	Location of the RWH tank(s):	Roof top area of Sugar unit
	Quantity of recharge pits:	01
	Size of recharge pits :	50x60x2m
	Budgetary allocation (Capital cost) :	Rs. 4682.89 Lakhs
	Budgetary allocation (O & M cost) :	Rs.84 Lakhs
	Details of UGT tanks if any :	One under groundwater reservoir of capacity 200 cu.m.
26.Storm water drainage	**Natural water drainage pattern:**	Mixture of dentritic and trellis type of drainage
	Quantity of storm water:	3485 cu.m. per annum
	Size of SWD:	1500 m X 0.450 m X 0.600 m
27.Sewage and Waste water	**Sewage generation in KLD:**	4
	STP technology:	Septic tank-soak pit
	Capacity of STP (CMD):	Not available
	Location & area of the STP:	N.A.
	Budgetary allocation (Capital cost):	N.A.
	Budgetary allocation (O & M cost):	N.A.

28.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Soil and grits
	Disposal of the construction waste debris:	Internal roads and minor leveling work
Waste generation in the operation Phase:	**Dry waste:**	Fly ash (8482 MT/Year)
	Wet waste:	ETP sludge (10.35 MT/Year)
	Hazardous waste:	Spent oil (2 MT/ Year)
	Biomedical waste (If applicable):	N.A.
	STP Sludge (Dry sludge):	N.A.
	Others if any:	N.A.
Mode of Disposal of waste:	**Dry waste:**	Used for compost making process or sold to brick manufacturer
	Wet waste:	Used for composting
	Hazardous waste:	Burnt in the boiler as fuel
	Biomedical waste (If applicable):	N.A.
	STP Sludge (Dry sludge):	N.A.
	Others if any:	N.A.
Area requirement:	**Location(s):**	Within factory premises
	Area for the storage of waste & other material:	Approx. 0.5 acre=2000sq.m.
	Area for machinery:	9637 sq.m.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	7138 Lakhs for machinery
	O & M cost:	80 Lakhs

29.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	-	3.5-5.0	6.5-8.0	6.5-8.0
2	BOD	mg/l	600-800	<100	100
3	COD	mg/l	1600-3000	<250	250
4	Oil & Grease	mg/l	100-130	<10	10
5	Total Suspended Solid	mg/l	1500-2000	<200	-
6	Total Dissolved Solid	mg/l	1500-2000	< 2100	2100

Amount of effluent generation (CMD):	310 (during season) and 138 (during off season)
Capacity of the ETP:	500 CMD
Amount of treated effluent recycled :	3160
Amount of water send to the CETP:	N.A.
Membership of CETP (if require):	N.A.
Note on ETP technology to be used	Anaerobic USBR followed by activated sludge process. ETP treated water will be reused for cooling activities and/ or for greenbelt/irrigation • Hot water will be collected and cooled in separate ponds/tanks and recycled after cooling. Hence, Zero Liquid Discharge (ZLD) will be achieved
Disposal of the ETP sludge	ETP Sludge will be used as manure

30.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Spent oil	5.1	MT/Y	-	2 MT/Y	2 MT/Y	Burnt in boiler

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	Bagasse 41 TPH (for season) & 21.1 TPH (For off-season)	01	72	3.5	80

32.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Bagasse	N.A.	During Crushing season: 984 During off season: 21.1	984 TPD
33.Source of Fuel		Own Sugar factory		
34.Mode of Transportation of fuel to site		Conveyor		

35.Energy

Power requirement:	**Source of power supply :**	Captive
	During Construction Phase: (Demand Load)	Captive apprx. 0.5 MW
	DG set as Power back-up during construction phase	DG set of 750 KVA capacity
	During Operation phase (Connected load):	Captive power requirement (Sugar+co-generation) =5.70 MW
	During Operation phase (Demand load):	N.A.
	Transformer:	N.A.
	DG set as Power back-up during operation phase:	DG set of 750 KVA capacity
	Fuel used:	Diesel for DG
	Details of high tension line passing through the plot if any:	N.A.

Energy saving by non-conventional method:

The project is going to use captive power hence use of non-conventional energy is not considered

36.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %

1	N.A.	N.A.

37.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Flue gas/stack gas emission	Multi-cyclone dust collector, Wet scrubber	ESP for proposed boiler
Effluent	500 CMD ETP for Sugar and Co-gen unit	500 CMD or Sugar and Co-gen unit

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 998 Lakhs
	O & M cost:	Rs. 84 Lakhs

38.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Sprinkling of water on roads	For controlling dust (SPM)	Approx. 4.00
2	Electricity	Diesel for captive DG	Approx. 4.50

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air & Noise Pollution Control	-	132.00	22.00
2	Water pollution control	-	-	34.00
3	Environment monitoring and management	-	690.00	1.50
4	Occupational Health	-	41.00	5.00
5	Green Belt	-	12.00	1.50
6	Solid waste management	-	12.00	12.00
7	Fire protection	-	37.00	4.00
8	Ash handling and disposal	-	74.00	4.00
9	Total	-	998	84

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
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

40.Any Other Information

No Information Available

	CRZ/ RRZ clearance obtain, if any:	N.A.
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	None within 10 km radius of the project site
	Category as per schedule of EIA Notification sheet	Category- B, Item no. 1 (d)
	Court cases pending if any	N.A.
	Other Relevant Informations	N.A.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	24-02-2016

3. The proposal has been considered by SEIAA in its 200th 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 provide STP for the treatment of domestic waste water generated within the premises.
II	PP to prepare and implement their CER plan for creating social infrastructure like clean drinking water and sanitation facilities to the villagers in the study area of the project in consultation with the District Authority.
III	PP to include carbon and water foot print in their Environmental Monitoring Plan.
IV	PP to carry out physio chemical analysis of the soil conditioner /manure (ash mixed with the press mud) and obtain approval from the Agriculture Department for its safe use on agricultural land.
V	PP has submitted layout plan to ADTP, if there is any change in plan submitted to ADTP, PP has to obtain revised EC.
VI	PP to ensure that CER plan gets approved from District Collector.
VII	PP Shall comply with Standard EC conditions mentioned in the Office Memorandum issued by MoEF& CC vide F.No.22-34/2018-IA.III dt.04.01.2019.

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 COMMISSIONERAURANGABAD
11. MUNICIPAL COMMISSIONER SATARA
12. REGIONAL OFFICE MPCB AURANGABAD
13. REGIONAL OFFICE MPCB PUNE
14. REGIONAL OFFICE MIDC AURANGABAD
15. REGIONAL OFFICE MIDC PUNE
16. MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD
17. COLLECTOR OFFICE PUNE
18. COLLECTOR OFFICE JALNA
19. COLLECTOR OFFICE AURANGABAD
20. COLLECTOR OFFICE LATUR
21. COLLECTOR OFFICE SATARA
22. COLLECTOR OFFICE SOLAPUR
23. COLLECTOR OFFICE NANDED

24. COLLECTOR OFFICE OSMANABAD
25. COLLECTOR OFFICE HINGOLI
26. COLLECTOR OFFICE PARBHANI
27. COLLECTOR OFFICE BEED