MINUTES OF 12th EXPERT APPRAISAL COMMITTEE (INDUSTRY-2) MEETING HELD DURING 23-24th AUGUST , 2016

VENUE: Teesta, First Floor, Vayu Wing, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan Aliganj, Jorbagh Road, New Delhi -110003.

Time : Meeting to be held at 10: 00 AM

12.1 Opening Remarks of the Chairman

Time : 10: 00 - 10: 15 AM

12.2 Confirmation of the Minutes of the 11th Expert Appraisal Committee (Industry-2) held during 20-21st July, 2016.

The following modifications/correction in the minutes of the 9th Expert Appraisal Committee (Industry-2) held during 27-28th June 2016 confirmed:

Name of the project	Corrections sought	Read as
Setting up of synthetic organic chemical manufacturing unit at Plot No 193, APIIC Growth Center Hindupur, Village Thumkunta, Mandal Hindupur, District Anantapur, Andhra Pradesh by M/s Srikar Chem & Pharma India Pvt. Ltd	Para 3 : line 6 &7 Total water requirement will be 72.5 m3/day. Out of which fresh water requirement from APIIC will be 12.84 m3/day	Total water requirement will be 72.5 m3/day. Out of which fresh water requirement from APIIC will be 59.66 m3/day
	Specific condition no. v i.e Total fresh water requirement from APPIIC shall not exceed 12.84 m3/day.	Total fresh water requirement from APPIIC shall not exceed 59.66 m3/day
Proposed expansion of Chemicals unit at plot no. 2 & 3, Village Ukharala, District. Bhavnagar, Gujarat by M/s Medinex Laboratories Pvt. Ltd.- reg. EC	Specific condition no. vi i.e Total fresh water requirement from ground water source shall not exceed 13.7 m3/day and prior permission shall be obtained from the CGWA/SGWA.	Specific condition no. vi i.e Total fresh water requirement from ground water source shall not exceed 8.784 m3/day and prior permission shall be obtained from the CGWA/SGWA.

23nd August, 2016 (Day 1)

1st Session: Time: 10.15 AM

12.3 Environmental Clearance

15. Material safety data sheet to be submitted. CAS NO./RTECS No./DOT/UN etc to be mentioned against each chemicals.
16. An action plan to develop green belt in 33% area. Layout map indicating greenbelt to be submitted.
17. Action plan for rain water harvesting measures at plant site should be included to harvest rainwater from the roof tops and storm water drains to recharge the ground water.
18. Details of occupational health surveillance programme

B. Additional TOR

i. Public hearing to be conducted and issues raised and commitments made by the project proponent on the same should be included in EIA/EMP Report in the form of tabular chart with financial budget for complying with the commitments made.
ii. A separate chapter on status of compliance of Environmental conditions granted by State/Centre to be provided. As per circular dated 30th May ,2012 issued by MOEF on status of compliance of conditions on existing unit to be provided in EIA-EMP report.

It was recommended that 'TORs' along with Public Hearing prescribed by the Reconstituted Expert Appraisal Committee (Industry) should be considered for preparation of EIA / EMP report for the above mentioned project in addition to all the relevant information as per the 'Generic Structure of EIA' given in Appendix III and IIIA in the EIA Notification, 2006. The draft EIA/EMP report shall be submitted to the State Pollution Control Board for public hearing. The issues emerged and response to the issues shall be incorporated in the EIA report.

12.7.6 Addition of 3 KLPD (10 %) Cellulosic non food biomass (Agri waste) based modular Demo Pilot Plant" for R&D purpose within premises of existing 30 KLPD Molasses Distillery at Patethan Post- Rahu, TahsilDaund, District Pune, Maharashtra by Shreenath Mhaskoba Sakhar Karkhana Ltd. – regTOR

The project authorities gave a detailed presentation on the salient features of the project and proposed environmental protection measures to be undertaken along with the draft Term of References for the preparation of EIA-EMP. All molasses based distillery are listed at S.N. 5(g) (i) under category 'A' and appraised at Central level. The proposed R&D project is attached to exiting molasses based distillery. Therefore, it is treated as A category.

Ministry has issued EC vide letter no. J-11012/19/2012- IA II (I) dated 15th December, 2014 to M/s Shreenath Mhaskoba Sakhar Karkhana Ltd., for Molasses based distillery (30 KLPD) at village Shreenatnagar Patethan, Tehsil Dauand, District Pune, Maharashtra.

M/s Shreenath Mhaskoba Sakhar Karkhana Ltd., has proposed setting up 3 KLPD Cellulosic non food biomass (Agri waste) based modular Demo Pilot Plant" for R&D purpose within premises of existing 30 KLPD Molasses Distillery at Patethan Post- Rahu, Tahsil Daund, District Pune, Maharashtra. Following configuration is proposed.

S. No.	Unit	Total Capacity (KLPD)

		Existing	Proposed
1	Ethanol	30	3

Existing plot are is 80937 m2, no additional land is require for this proposed activity.10 MW Cogen power plant already installed as source of power to existing plant and proposed R&D plant. Total fresh water demand for new R&D plant will be fulfilled from its existing (300 m3/day) water source. PP informed that no change in existing ETP which is designed for 240 m3/day. It is estimated about 8 m3/day waste water will be generated from the proposed R&D plant and will be treat in existing facility. The lignin rich wet cake from 3 KLPD R&D demo plant shall be used as supplementary fuel for the existing boiler. It shall be mix with the primary fuel to generate steam and power. RO reject will be sent to existing compost yard, whereas sludge produce from existing distillery will be used as fertilizer after composting.

During presentation the committee noted that the proposed activity is for R&D purposes to produce Ethanol for meeting the long term requirement of the country for blending in the fuel. Therefore the committee exempted the public hearing as per Para 2 and propose to prepare a report.

After detailed deliberations, the Committee prescribed the following Specific and Additional TOR for preparation of EIA-EMP report:

A. Specific TOR

1. List of existing distillery units in the study area along with their capacity and sourcing of raw material.
2. Number of working days of the distillery unit.
3. Details of raw materials, their source with availability.
4. Details of the use of steam from the boiler.
5. Surface and Ground water quality around proposed spent wash storage lagoon, and compost yard.
6. Plan to reduce spent wash generation within 6-8 KL/KL of alcohol produced.
7. Proposed effluent treatment system for molasses/grain based distillery (spent wash, spent lees, condensate and utilities) as well as domestic sewage and scheme for achieving zero effluent discharge (ZLD).
8. Proposed action to restrict fresh water consumption within 10 KL/KL of alcohol production.
9. Details about capacity of spent wash holding tank, material used, design consideration. No. of peizometers to be proposed around spent wash holding tank.
10. Action plan to control ground water pollution.
11. Details of solid waste management including management of boiler ash, yeast, etc. Details of incinerated spent wash ash generation and its disposal.
12. Details of bio-composting yard (if applicable).
13. Action plan to control odor pollution.
14. Arrangements for installation of continuous online monitoring system (24x7 monitoring device)

B. Additional TOR

1. Public hearing is exempted as per para 7 (ii) of EIA, Notification, 2006.

2. Compliance of condition given in existing EC.
3. One month monitoring data

It was recommended that **'TORs' without Public Hearing** prescribed by the Reconstituted Expert Appraisal Committee (Industry) should be considered for preparation of EIA / EMP report for the above mentioned project in addition to all the relevant information as per the 'Generic Structure of EIA' given in Appendix III and IIIA in the EIA Notification, 2006.

12.8 Any Other

12.8.1 Expansion of Bulk Drug Manufacturing Unit at Village KeshwanaRajpoot, Tehsil Kotputli, District Jaipur, Rajasthan by M/s Otsuka Chemicals (India) Pvt. Ltd.– Amendment in Environmental Clearance

MoEF&CC vide letter no. J-11011/241/2012-IA.II(I) dated 10.12.2015 has granted EC to M/s Otsuka Chemicals (India) Pvt. Ltd. Expansion of Bulk Drug Manufacturing Unit at Village Keshwana Rajpoot, Tehsil Kotputli, District Jaipur, Rajasthan.

Now PP has applied for amendment for the following:

1. In table of point no.2, on page no.1, under GCLE production capacity of phase II, there is a typographical error as 350 to 700MTPA has been typed instead of 450 to 700MTPA.

The committee accepts proposed correction/amendment in existing EC. .

2. Part of Specific condition, point no. xv, "*As proposed, process organic residue and spent carbon shall be sent to cement industries*", to be omitted due to the following reasons :

(i) Process organic residue/distillation residue is being incinerated in a in-house liquid incinerator.
(ii) There is no generation of spent carbon in the factory.

The committee accepts recommended the above said amendment.

3. Under point no.3 & Specific condition xi, it has been mentioned that low TDS effluent after treatment through ETP, will be passed through RO. PP proposed MVRE (Mechanical Vapour Recompression Evaporator) in place of RO. So RO technology to be replaced with MVRE in existing EC.

The committee discussed on merits of new treatment process in place of RO. PP explained that this process has been tried in other industries and gave results to meet the standards as prescribed by SPCB. In response to cost-benefit analysis, PP has submitted life cycle cost of the new system for the period of 10 years' according to which, the committee noted that MVRE maintain least operational cost in comparison RO i.e. Rs. 336 Lacs for MVRE and Rs. 456 Lacs for RO respectively.

After detailed deliberation the committee agreed to aforesaid amendment for installing MVRE in place of RO .