Minutes of 19th RECONSTITUTED EXPERT APPRAISAL COMMITTEE (INDUSTRY) BEING HELD DURING 28th-30th MAY 2014

Pl. Note: Proposals not circulated by 20th May 2014 to EAC members are not likely to be taken up for consideration.

VENUE: Scope Complex, Core 6, 5th Floor, IOCL Conference Room, Ministry of Petroleum and Natural Gas, Lodhi Road, New Delhi 110 003.

TIME: 1st Day (28th May 2014) 10.30 A.M.
2nd and 3rd Day (29th & 30th May 2014) 10.00 AM

19.1 Opening Remarks of the Chairman

19.2 Confirmation of the Minutes of the 19th Reconstituted Expert Appraisal Committee (Industry) held during 28th-30th April, 2014.

19.11.5 Expansion of Drug & Intermediate Manufacturing Unit of M/s Tejashri Intermediates Pvt. Ltd. at Plot Nos. 133-142, Phase – II, Mandal Pashamailaram, Patancheru Mandal District Medak, A.P. (TOR)

The project authorities and their Consultant (M/s Rightsource Industrial Solution Pvt. Ltd.) 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. It was informed that the unit is a Category B project. The project is located within 10km of CPA from Patancheru and hence a Cat. A project. All Synthetic Organic Chemicals Industry (Bulk Drugs & Intermediates) located inside the notified industrial area/estate are listed at S.N. 5(f) under category ‘B’. However, applicability of general condition due to project location within 10 km distance nearest critically polluted area ie. IDA, Patancheru, proposal is treated as category ‘A’ and appraised by Expert Appraisal Committee (I).

M/s Tejashri Intermediates Pvt. Ltd. has proposed for expansion of Drug & Intermediate Manufacturing Unit (from 10.5 TPM to 300 TPM) at Plot Nos. 133-142, Phase – II, Mandal Pashamailaram, Patancheru Mandal District Medak, A.P. PP informed that the exiting unit was established before 2006 and Tejashri intermediates is having CFE from APPCB vide CFE No. Pasha/78/PCB/ZO/RCP/CFE/2004-617 dated 20.08.2004. Cost of expansion project is Rs. 18.82 Crores. Total plot area is 10096.5 m² of which greenbelt will be developed in 3396 m². Following products will be manufactured:
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Bag filter along with stack height of 30 m will be provided to coal fired boiler. Scrubber will be provided to control process emissions viz. ammonia. Water requirement will be 135.69 m3/day. Wastewater generation will be 58.32 m3/day. Industrial wastewater will be segregated into High TDS/COD and Low TDS/COD effluent streams. High TDS/COD effluent stream will be treated through steam stripper followed by multiple effect evaporator (MEE) and agitated thin film drier (ATFD). Low TDS effluent stream will be treated in ETP followed by RO. No effluent will be discharged outside the plant premises. The evaporation salts and ETP sludge will be sent to TSDF. Organic residue, spent carbon and Distillation residue will be sent to cement plant. Waste oil and used batteries from the DG sets are sent to authorize recyclers. Fly ash will be sent to brick manufacturers.

After deliberations, the Committee recommended Generic TOR as given in Annexure-1 read with additional TORs at Annexure-5 for preparation of EIA-EMP report along with Public Hearing.

(i) Recommendation of APPCB
(ii) Zero-discharge.
To,

Shri J. Sanjeeva Reddy
Manager Director,
M/s Tejashri Intermediates Pvt. Ltd
#303, Varnica Arcade, B-88,
Madhuranagar, Hyderabad-500 038
Andhra Pradesh

Email: jsreddy@tejashrri.com info@rightsource.co.in Fax.: 08455 - 2241374

Subject: Expansion of Drug & Intermediate Manufacturing Unit at Plot Nos. 133-142, Phase – II, Mandal Pashamailaram, Patancheru Mandal District Medak, A.P. by M/s Tejashri Intermediates Pvt. Ltd - (TOR)

Ref. No.: Your Letter no. nil dated 30.12.2013

Sir,

Kindly refer your letter no. nil dated 30.12.2013 alongwith project documents including Form-I, Pre-feasibility Report and draft ‘Terms of Reference’ as per the EIA Notification, 2006. It is noted that proposal is for Drug & Intermediate Manufacturing Unit at Plot Nos. 133-142, Phase – II, Mandal Pashamailaram, Patancheru Mandal District Medak, A.P. Cost of expansion project is Rs. 18.82 Crores. Total plot area is 10096.5 m² of which greenbelt will be developed in 3396 m². Following products will be manufactured:

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3.0 Draft Terms of Reference (TOR) have been discussed and finalized during the 19th Reconstituted Expert Appraisal Committee (Industry) held during 28th – 30th May, 2014 for preparation of EIA/EMP report. Following are the ‘TORs’:

1. 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, a certified report by RO, MoEF on status of compliance of conditions on existing unit to be provided in EIA/EMP report.
2. Executive summary of the project
3. Justification of the project.
4. Promoters and their back ground.
5. Regulatory framework.
6. Environment clearance for the existing unit issued by the Ministry (reasons, if not obtained), Consent to Operate and Authorization accorded by the APPCB.
7. Copy of NOC/Consent to Establish for the existing unit.
8. Compliance to the conditions stipulated in the NOC granted by the SPCB.
9. Has the unit received any notice under the Section 5 of Environment (Protection) Act, 1986 or relevant Sections of Air and Water Acts? If so, compliance to the notice(s).
10. Data for the stack emissions, fugitive emissions; water requirement and water balance chart; wastewater generation, treated effluent quality, re-utilization and disposal of solid/hazardous waste for the existing unit.
11. A map indicating location of the project and distance from severely polluted area.
12. Project location and plant layout.
13. Infrastructure facilities including power sources.
14. Total cost of the project along with total capital cost and recurring cost/annum for environmental pollution control measures.

15. Project site location along with site map of 10 km area and site details providing various industries, surface water bodies, forests etc.

16. Present land use based on satellite imagery for the study area of 10 km radius. Details of land availability for the project along with supporting document.

17. Location of National Park/Wild life sanctuary/Reserve forest within 10 km radius of the project.

18. Permission from the State Forest Department regarding the impact of the proposed plant on the surrounding reserve forests/Defence area.

19. Details of the total land and break-up of the land use for green belt and other uses.

20. List of products along with the production capacities.

21. Detailed list of raw material required and source, mode of storage.

22. Manufacturing process details along with the chemical reactions and process flow chart.

23. Action plan for the transportation of raw material and products.

24. Site-specific micro-meteorological data using temperature, relative humidity, hourly wind speed and direction and rainfall is necessary.

25. Ambient air quality monitoring at 6 locations within the study area of 5 km., aerial coverage from project site as per NAAQES notified on 16th September, 2009. Location of one AAQMS in downwind direction.

26. One season site-specific micro-meteorological data using temperature, relative humidity, hourly wind speed and direction and rainfall and AAQ data (except monsoon) for PM2.5, PM10, SO2, NOx, CO, NH3 including VOCs shall be collected. The monitoring stations shall take into account the pre-dominant wind direction, population zone and sensitive receptors including reserved forests. Data for water and noise monitoring shall also be included.

27. Details of water and air pollution and its mitigation plan.

28. Air pollution control measures proposed for the effective control of gaseous/process emissions within permissible limits.

29. An action plan prepared by SPCB to control and monitor secondary fugitive emissions from all the sources.

30. Determination of atmospheric inversion level at the project site and assessment of ground level concentration of pollutants from the stack emission based on site-specific meteorological features. Air quality modelling for proposed plant.

31. Name of all the solvents to be used in the process and details of solvent recovery system.

32. Design details of ETP, incinerator, if any along with boiler, scrubbers/bag filters etc.

33. Action plan to control ambient air quality as per NAAQS Standards notified by the Ministry on 16th September, 2009.

34. Source and permission from Competent Authority for the drawl of 466.05 m3/day water. Water balance chart including quantity of effluent generated recycled and reused and effluent discharge.

35. Complete scheme of effluent treatment. Characteristics of untreated and treated effluent to meet the standard.

36. Zero discharge effluent concepts to be adopted.

37. Ground water quality monitoring minimum at 6 locations shall be carried out. Geological features and Geo-hydrological status of the study area and ecological status (Terrestrial and Aquatic).

38. The details of solid and hazardous wastes generation, storage, utilization and disposal particularly related to the hazardous waste calorific value of hazardous waste and detailed characteristic of the hazardous waste. Action plan for the disposal of fly ash generated from boiler shall be included.

39. Material Safety Data Sheet for all the Chemicals are being used/will be used.

40. Authorization/Membership for the disposal of solid/hazardous waste in TSDF.
41. Risk assessment for storage for chemicals/solvents. Action plan for handling & safety system.
42. An action plan to develop green belt in 33 % area. Layout plan for green belt shall be provided.
43. Action plan for rainwater harvesting measures at plant site shall be included to harvest rainwater from the roof tops and storm water drains to recharge the ground water.
44. Details of occupational health programme.
   a) To which chemicals, workers are exposed directly or indirectly.
   b) Whether these chemicals are within Threshold Limit Values (TLV)/Permissible Exposure Levels as per ACGIH recommendation.
   c) What measures company have taken to keep these chemicals within PEL/TLV.
   d) How the workers are evaluated concerning their exposure to chemicals during pre-placement and periodical medical monitoring.
   e) What are onsite and offsite emergency plan during chemical disaster.
   f) Liver function tests (LFT) during pre-placement and periodical examination.
   g) Details of occupational health surveillance programme.
45. Socio-economic development activities shall be in place.
46. At least 5 % of the total cost of the project should be earmarked towards the Enterprise Social Commitment based on Public Hearing issues and item-wise details along with time bound action plan should be prepared and incorporated.
47. Note on compliance to the recommendations mentioned in the CREP guidelines.
48. Detailed Environment management Plan (EMP) with specific reference to details of air pollution control system, water & wastewater management, monitoring frequency, responsibility and time bound implementation plan for mitigation measure shall be provided.
49. EMP shall include the concept of waste-minimization, recycle / reuse / recover techniques, Energy conservation, and natural resource conservation.
50. Total capital cost and recurring cost/annum for environmental pollution control measures.

51. Corporate Environmental Responsibility
   (a) Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.
   (b) Does the Environmental Policy prescribe for standard operating process/procedures to bring into focus any infringement / deviation / violation of the environmental or forest norms / conditions? If so, it may be detailed in the EIA report.
   (c) What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the EC conditions. Details of this system may be given.
   (d) Does the company have a system of reporting of non-compliance / violations of environmental norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism should be detailed in the EIA report.

52. Any litigation pending against the project and/or any direction/order passed by any Court of Law against the project, if so, details thereof.
53. The aforesaid ‘TORs’ prescribed by the Expert Appraisal Committee (Industry) shall be considered for preparation of EIA-EMP report for the 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. Where the documents provided are in a language other than English, an English translation shall be provided. The draft EIA-EMP report shall be submitted to the State Pollution Control Board of the concerned State for conduct of Public Hearing. The SPCB shall conduct the Public Hearing/public consultation, district-wise, as per the provisions of EIA notification, 2006. The issues raised in the Public Hearing and during the consultation process and the commitments made by the project proponent on the same shall be included separately in EIA-EMP Report in the form of tabular chart with financial budget (capital and revenue) along with time-schedule of implementation for complying with the commitments made. The final EIA report shall be submitted to the Ministry for obtaining environmental clearance.

54. The TORs prescribed shall be valid for a period of two years from date of issue.

1. Additional TOR
   (i) Recommendation of APPCB
   (ii) Zero-discharge.

The following general points shall be noted:

   i. All documents shall be properly indexed, page numbered.
   ii. Period/date of data collection shall be clearly indicated.
   iii. Authenticated English translation of all material in Regional languages shall be provided.
   iv. The letter/application for environmental clearance shall quote the MOEF file No. and also attach a copy of the letter.
   v. The copy of the letter received from the Ministry shall be also attached as an annexure to the final EIA-EMP Report.
   vi. The index of the final EIA-EMP report must indicate the specific chapter and page no. of the EIA-EMP Report
   vii. While preparing the EIA report, the instructions for the proponents and instructions for the consultants issued by MoEF vide O.M. No. J-11013/41/2006-IA.II (I) dated 4th August, 2009, which are available on the website of this Ministry shall also be followed.
   viii. The consultants involved in the preparation of EIA-EMP report after accreditation with Quality Council of India (QCI) /National Accreditation Board of Education and Training (NABET) would need to include a certificate in this regard in the EIA-EMP reports prepared by them and data provided by other organization/Laboratories including their status of approvals etc.

3.0 These ‘TORs’ should be considered for the preparation of EIA / EMP report for Expansion of Drug & Intermediate Manufacturing Unit by M/s Tejasri Intermediates Pvt. Ltd in addition to all the relevant information as per the ‘General Structure of EIA’ given in Appendix III and IIIA in the EIA Notification, 2006. The EIA/EMP as per TORs should be submitted to the
Chairman, Andhra Pradesh Pollution Control Board, (APPCB) for public consultation. The SPCB shall conduct the public hearing/public consultation as per the provisions of EIA notification, 2006.

4.0 You are requested to kindly submit the final EIA/EMP prepared as per TORs and incorporating all the issues raised during Public Hearing / Public Consultation to the Ministry for considering the proposal for environmental clearance within 2 years as per the MoEF O.M. No. J-11013/41/2006-IA.II (I) dated 22nd March, 2010.

5.0 The consultants involved in the preparation of EIA/EMP report after accreditation with Quality Council of India / National Accreditation Board of Education and Training (QCI/NABET) would need to include a certificate in this regard in the EIA/EMP reports prepared by them and data provided by other Organization(s)/Laboratories including their status of approvals etc.

(Lalit Bokolia)
Additional Director

Copy to:

1. The Chairman, Andhra Pradesh Pollution Control Board, Paryavaran Bhavan, A-III, Industrial Estate, Sanath Nagar, Hyderabad, Andhra Pradesh

2. Chief Conservator of Forests (South), Ministry of Environment & Forests, Regional Office, Kendriya Sadan, 4th Floor, E&F Wing, II Block
   Koramangala, Bangalore-560034

(Lalit Bokolia)
Additional Director
Subject  Expansion of Drug & Intermediate Manufacturing Unit at Plot Nos. 133-142, Phase – II, Mandal Pashamailaram, Patancheru Mandal District Medak, A.P. by M/s Tejashrri Intermediates Pvt. Ltd - regarding TOR


2. PP informed that the exiting unit was established before 2006 and Tejashrri intermediates is having CFE from APPCB vide CFE No. Pasha/78/PCB/ZO/RCP/CFE/2004-617 dated 20.08.2004. Cost of expansion project is Rs. 18.82 Crores. Total plot area is 10096.5 m² of which greenbelt will be developed in 3396 m². Following products will be manufactured:

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3.0 The Expert Appraisal Committee (Industry) discussed and finalized the draft TORs in the 19th Reconstituted Expert Appraisal Committee (Industry) held during 28th - 30th May, 2014 (F/X). 'TORs' suggested by the EAC (I) for incorporation in EIA/EMP study are as follows:

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14. Total cost of the project alongwith total capital cost and recurring cost/annum for environmental pollution control measures.
15. Project site location alongwith site map of 10 km area and site details providing various industries, surface water bodies, forests etc.
16. Present land use based on satellite imagery for the study area of 10 km radius. Details of land availability for the project alongwith supporting document.
17. Location of National Park/Wild life sanctuary/Reserve forest within 10 km radius of the project.
18. Permission from the State Forest Department regarding the impact of the proposed plant on the surrounding reserve forests/Defence area.
19. Details of the total land and break-up of the land use for green belt and other uses.
20. List of products alongwith the production capacities.
21. Detailed list of raw material required and source, mode of storage.
22. Manufacturing process details alongwith the chemical reactions and process flow chart.
23. Action plan for the transportation of raw material and products.
24. Site-specific micro-meteorological data using temperature, relative humidity, hourly wind speed and direction and rainfall is necessary.
25. Ambient air quality monitoring at 6 locations within the study area of 5 km., aerial coverage from project site as per NAAQES notified on 16th September, 2009. Location of one AQMS in downwind direction.
26. One season site-specific micro-meteorological data using temperature, relative humidity, hourly wind speed and direction and rainfall and AAQ data (except monsoon) for PM2.5, PM10, SO2, NOx, CO, NH3 including VOCs shall be collected. The monitoring stations shall take into account the pre-dominant wind direction, population zone and sensitive receptors including reserved forests. Data for water and noise monitoring shall also be included.
27. Details of water and air pollution and its mitigation plan
28. Air pollution control measures proposed for the effective control of gaseous/process emissions within permissible limits.
29. An action plan prepared by SPCB to control and monitor secondary fugitive emissions from all the sources.
30. Determination of atmospheric inversion level at the project site and assessment of ground level concentration of pollutants from the stack emission based on site-specific meteorological features. Air quality modelling for proposed plant.
31. Name of all the solvents to be used in the process and details of solvent recovery system.
32. Design details of ETP, incinerator, if any alongwith boiler, scrubbers/bag filters etc.
33. Action plan to control ambient air quality as per NAAQS Standards notified by the Ministry on 16th September, 2009.
34. Source and permission from Competent Authority for the drawl of 466.05 m3/day water. Water balance chart including quantity of effluent generated recycled and reused and effluent discharge.
35. Complete scheme of effluent treatment. Characteristics of untreated and treated effluent to meet the standard.
36. Zero discharge effluent concepts to be adopted.
37. Ground water quality monitoring minimum at 6 locations shall be carried out. Geological features and Geo-hydrological status of the study area and ecological status (Terrestrial and Aquatic).
38. The details of solid and hazardous wastes generation, storage, utilization and disposal particularly related to the hazardous waste calorific value of hazardous waste and detailed characteristic of the hazardous waste. Action plan for the disposal of fly ash generated from boiler shall be included.
39. Material Safety Data Sheet for all the Chemicals are being used/will be used.
40. Authorization/Membership for the disposal of solid/hazardous waste in TSDF.
41. Risk assessment for storage for chemicals/solvents. Action plan for handling & safety system.
42. An action plan to develop green belt in 33 % area. Layout plan for green belt shall be provided.
43. Action plan for rainwater harvesting measures at plant site shall be included to harvest rainwater from the roof tops and storm water drains to recharge the ground water.
44. Details of occupational health programme.
   a. To which chemicals, workers are exposed directly or indirectly.
   b. Whether these chemicals are within Threshold Limit Values (TLV)/Permissible Exposure Levels as per ACGIH recommendation.
   c. What measures company have taken to keep these chemicals within PEL/TLV.
   d. How the workers are evaluated concerning their exposure to chemicals during pre-placement and periodical medical monitoring.
   e. What are onsite and offsite emergency plan during chemical disaster.
   f. Liver function tests (LFT) during pre-placement and periodical examination.
   g. Details of occupational health surveillance programme.
45. Socio-economic development activities shall be in place.
46. At least 5 % of the total cost of the project should be earmarked towards the Enterprise Social Commitment based on Public Hearing issues and item-wise details along with time bound action plan should be prepared and incorporated.
47. Note on compliance to the recommendations mentioned in the CREP guidelines.
48. Detailed Environment management Plan (EMP) with specific reference to details of air pollution control system, water & wastewater management, monitoring frequency, responsibility and time bound implementation plan for mitigation measure shall be provided.
49. EMP shall include the concept of waste-minimization, recycle / reuse / recover techniques, Energy conservation, and natural resource conservation.

50. Total capital cost and recurring cost/annum for environmental pollution control measures.

51. Corporate Environmental Responsibility
   a. (a) Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.
   b. (b) Does the Environmental Policy prescribe for standard operating process/procedures to bring into focus any infringement / deviation / violation of the environmental or forest norms / conditions? If so, it may be detailed in the EIA report.
   c. (c) What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the EC conditions. Details of this system may be given.
   d. (d) Does the company have a system of reporting of non-compliance / violations of environmental norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism should be detailed in the EIA report.

52. Any litigation pending against the project and/or any direction/order passed by any Court of Law against the project, if so, details thereof.

53. The aforesaid ‘TORs’ prescribed by the Expert Appraisal Committee (Industry) shall be considered for preparation of EIA-EMP report for the 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. Where the documents provided are in a language other than English, an English translation shall be provided. The draft EIA-EMP report shall be submitted to the State Pollution Control Board of the concerned State for conduct of Public Hearing. The SPCB shall conduct the Public Hearing/public consultation, district-wise, as per the provisions of EIA notification, 2006. The issues raised in the Public Hearing and during the consultation process and the commitments made by the project proponent on the same shall be included separately in EIA-EMP Report in the form of tabular chart with financial budget (capital and revenue) along with time-schedule of implementation for complying with the commitments made. The final EIA report shall be submitted to the Ministry for obtaining environmental clearance.

54. The TORs prescribed shall be valid for a period of two years from date of issue.

2. Additional TOR
   (i) Recommendation of APPCB
   (ii) Zero-discharge.

The following general points shall be noted:
   (i) All documents shall be properly indexed, page numbered.
   (ii) Period/date of data collection shall be clearly indicated.
   (iii) Authenticated English translation of all material in Regional languages shall be provided.
   (iv) The letter/application for environmental clearance shall quote the MOEF file No. and also attach a copy of the letter.
   (v) The copy of the letter received from the Ministry shall be also attached as an annexure to the final EIA-EMP Report.
   (vi) The index of the final EIA-EMP report must indicate the specific chapter and page no. of the EIA-EMP Report.
While preparing the EIA report, the instructions for the proponents and consultations issued by MoEF vide O.M. No. J-11013/41/2006-IA.II (I) dated 4th August, 2009, which are available on the website of this Ministry shall also be followed.

The consultants involved in the preparation of EIA-EMP report after accreditation with Quality Council of India (QCI) /National Accreditation Board of Education and Training (NABET) would need to include a certificate in this regard in the EIA-EMP reports prepared by them and data provided by other organizations/laboratories including their status of approvals etc.

4.0 All Synthetic Organic Chemicals Industry (Bulk Drugs & Intermediates) located inside the notified industrial area/estate are listed at S.N. 5(f) under category ‘B’. However, due to non-operational of SEIAA/SEAC, proposal is treated as category ‘A’ and appraised by Expert Appraisal Committee (I).

5.0 PAs may be requested as per DFA to:


   ii. Address all the issues raised during the Public Consultation and incorporate them in the final EIA/EMP report and submit a copy of the Public hearing report along with video film to the Andhra Pradesh Pollution Control Board for considering the proposal for environmental clearance within 2 years as per the MoEF O.M. No. J-11013/41/2006-IA.II (I) dated 22nd March, 2010.

The proposal for expansion was considered due to its location within 10 km radius of critically polluted area Patancheru and Bollaram in Andhra Pradesh. Although, the project is now again categorized as ‘B’ due to its distance of 5.6 km. (more than 5 km) from critically polluted area Patancheru and Bollaram in Andhra Pradesh as per O.M. dated 25.6.2014, since SEAC/SEIAA Telangana is not in existence, the project will be appraised at Central level.

To facilitate the processing the PP may be requested to provide a copy of CTO and confirm about manufacturing of products as bulk drug or intermediate to establish requirement of EC of existing unit.

(Lalit Bokolia)
Additional Director
13th October, 2014