

**MINUTES OF THE ENVIRONMENTAL PUBLIC HEARING HELD ON 22.12.2017 AT JAYANTHIPURAM (V), JAGGAIHPET (M), KRISHNA DISTRICT FOR THE PROPOSAL FOR MANUFACTURING OF BULK DRUGS AND INTERMEDIATES BY M/s. SARVANI LABS PVT., AT SY. NO. 109, JAYANTHIPURAM (V), JAGGAIHPET (M), KRISHNA DISTRICT.**

**PANEL MEMBERS:**

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| 1. Sri B.R.Ambedkar,                              | Chairman,<br>District Revenue Officer &<br>Additional District Magistrate,<br>Krishna Dist.                |
| 2. Sri E.Satyanarayana,<br>Environmental Engineer | Rept. of A.P.Pollution Control<br>Board, Regional Office,<br>Vijayawada, Krishna Dist.,<br>Andhra Pradesh. |

**Industry Representatives :**

Sri K.Venkata Mahesh, Managing Director,  
M/s.Sarvani Labs Pvt. Ltd.,

**Environmental Consultants :**

Sri Yarlagadda Venkata Prasad,  
M/s. Rightsource Industrial Solutions Pvt. Ltd.

At the outset, the Environmental Engineer, APPCB, RO, Vijayawada welcomed the public gathered for the Environmental Public Hearing and briefed about the proposal of M/s. Sarvani Labs Pvt. Ltd., that they proposed to set up a unit for manufacturing of bulk drugs and intermediates at Jayanthipuram (V), Jaggaiahpet (M), Krishna Dist. with an investment of Rs.6.38 crores. He further informed that as per the Ministry of Environment, Forests & Climate Change, GOI Notification, dated 14.09.2006, for the projects listed in Category-A 5(f) of the Schedule, Environmental Public Hearing is mandatory to be conducted as part of obtaining Environmental Clearance (EC). In accordance with the procedure prescribed for the public hearing in the MoE&F notification dt. 14.09.2006, the AP Pollution Control Board, Vijayawada issued press advertisement in Eenadu (Telugu) and Indian Express (English) daily news papers on 20.11.2017 about the environmental public hearing inviting concerns of the public, comments, views, objections, apprehensions, clarifications and suggestions etc., if any, on the project proposal in writing from the public, bonafied residents, environmental groups and others located near the proposed project area likely to be

affected for a minimum period of 30 days. He added that the copies of Draft Environmental Impact Assessment (EIA) report and the Executive Summary in Telugu & English were made available to the Public at the places mentioned in the advertisement. During the period of 30 days from the date of issue of advertisement, the AP Pollution Control Board received the representations from the following:

- i. Sri Sandala Srinivasa Rao, Jaggaiahpet, Krishna Dist.
- ii. Sri Kota Indira, Williampeta, Jaggaiahpet, Krishna Dist.
- iii. Sri D.John Paul, Jaggaiahpet, Krishna Dist.
- iv. Sri H.Madhubabu, President, Rural Environment Education and Health Awareness Society, Hyderabad (through mail).
- v. Sri V.Sunanda Reddy, NGO, Hyderabad (through mail).

The same were forwarded to project proponent for their response.

He added that the proceeding of the public hearing would be submitted to MoEF &CC, GOI., along with the statement of representations received and the proponents response for taking further necessary action. He requested the District Revenue Officer & Additional District Magistrate, Krishna district to conduct the proceedings.

**Sri B.R.Ambedkar, District Revenue Officer & Addl. District Magistrate, Krishna District** while welcoming the public and press stated that the purposes of the public hearing is to obtain the views / suggestions / objections of the public and the officials would note down the public views. The Proceedings and video of the public hearing would be forwarded to MoEF, GoI for further course of action. He requested the public who attended the meeting to express their comments, views, objections, apprehensions, clarifications and suggestions etc., if any, on the project proposal. Then he requested the management of the project to explain in detail about the proposed bulk drug industry its environmental impacts and control measures proposed.

**Sri K.Venkata Mahesh, Managing Director of M/s. Sarvani Labs Pvt.,** while briefing about the project informed that they proposed to establish a bulk drugs and intermediates manufacturing industry in an extent of **2.93 Acres** at Sy No: 109, Jayanthipuram Village, Jaggayyapet Mandal, Krishna District, Andhra Pradesh with an investment of of Rs. **6.38 Crores** which includes construction of the buildings, equipment, machinery and greenbelt development.

He informed that the project proposal was considered and appraised by the Expert Appraisal Committee (EAC) in its 20<sup>th</sup> Meeting held during 27<sup>th</sup> - 28<sup>th</sup> February, 2017. The MoEF&CC has given Terms of Reference vide F. No: J-11011/38/2017-IA II (I) Dated on 31<sup>st</sup> May 2017, to carryout EIA Study. The Environmental monitoring and analysis were carried out during the period of **March – 2017 to May – 2017** and Draft EIA Report was prepared and submitted for Public Consultation.

He assured the gathering that they would operate the unit after taking into confidence of the public in terms of pollution control measures. He assured that the management would allocate funds of Rs.32 lakhs for the welfare of surrounding villages under Corporate Social Responsibility (CSR). He appealed the public to understand the technical details of the project and to clarify their apprehensions. Then he requested their environmental consultant to brief about technical issues of the project.

**Sri Yarlagadda Venkata Prasad, Representative of M/s. Rightsource Industrial Solutions Pvt. Ltd**, informed that they have conducted Environmental Impact Assessment studies on the proposed project which includes baseline studies before establishment of the industry and impact assessment on the Environment after establishment and operation of the industry. He informed that the base line data were monitored and collected during the study period of March 2017 – May 2017.

Ambient Air Quality Monitoring (AAQM) was carried out at eight locations surrounding the proposed project and results obtained are observed to be well within CPCB standards. The Maximum concentration of Particulate Matter (PM<sub>10</sub>) is recorded to be 69.73 µg/ m<sup>3</sup> at Dharmavarappadu Tanda against the CPCB standard of 100 µg/ m<sup>3</sup> and maximum concentration of Particulate Matter (PM<sub>2.5</sub>) is noted as 28.21 µg/ m<sup>3</sup> at Jaggayapet against the CPCB standard of 60 µg/ m<sup>3</sup>. Sulphur dioxide (SO<sub>2</sub>) is observed to be maximum of 17.84 µg/ m<sup>3</sup> at Dharmavarappadu Tanda, which is also well within the CPCB standard of 80 µg/ m<sup>3</sup>. Maximum concentrations of Oxides of Nitrogen (NOx) was observed to be 25.39 µg/ m<sup>3</sup> prevailing at the time of sampling at Dharmavarappadu Tanda which is also well below the prescribed limit of 80 µg/ m<sup>3</sup>. The highest value of Carbon Monoxide (CO) is recorded as 0.85 mg/ m<sup>3</sup> at the project site against the prescribed standard of 2 mg/ m<sup>3</sup>. The Highest value of

Ammonia (NH<sub>3</sub>) is observed to be 26.24 µg/ m<sup>3</sup> at Jaggayyapet, which is well below the prescribed limit of 400 µg/ m<sup>3</sup>.

Ground water samples and surface water samples were collected at 8 locations in the study area. The analysis results of the samples collected were studied and found to be acceptable limits of IS-10500, for parameters TDS, Total hardness, Total Alkalinity, Calcium, Magnesium and Chlorides.

Noise level monitoring was carried out at eight locations and the noise levels at all the locations were below the permissible limits.

On data obtained, the soil quality around the site is appropriate and normal in terms of soil contaminants.

The predicted ground level concentrations when added to Baseline scenario, the overall scenario levels of PM, SO<sub>2</sub> and NO<sub>x</sub> are well within the permissible limits as specified by NAAQ Standards.

He briefed about the project details and Environmental Management Plant as follows.

- The total production capacity of Bulk drugs and Intermediates will be **9.00 TPM** consisting of five products. Solvents will be recovered upto 95% using distillation column with necessary cooling condensers.
- Total water requirement of the project will be 38.50 KLD for Process, washings, Boiler Makeup, cooling towers makeup, scrubber, domestic and greenbelt purpose. The waste water generation will be 10.64 KLD which is from process, floor & reactor washes, cooling tower blow down, boiler blow down, scrubber, DM plant and domestic usage. The waste water is segregated into HTDS effluent and LTDS effluent.

Zero Liquid Discharge (ZLD) concept will be adopted for treatment and disposal of effluent. The Effluent Treatment system consists of steam stripper, MEE system with 10 KLD capacity & ATFD. Further the Biological Treatment with 15 KLD capacity and Reverse Osmosis plant will be installed for treatment of effluents generated from plant operations.

From ZLD system 8.87 KLD of water will be recovered and reused for plant operations. Hence, the fresh water requirement will be 29.63 KLD and also informed that the project authorities obtained permission for with drawl of ground water from the SGWD.

- Power requirement for the project is 500 KVA for plant operations. A DG Set of 320 KVA will be installed.
- 3 TPH Coal Fired Boiler will be installed, provided with Cyclone Separator followed by Bag filter and the stack height of 30 Mtrs for good dispersion.

The Predicted process emissions are SO<sub>2</sub>, O<sub>2</sub>, H<sub>2</sub> & HCl from manufacturing process of proposed products and these emissions will be mitigated using two stage scrubber.

The industry will take measures for reduction of fugitive emissions emanating out of process reactions by providing vent condensers.

- The Solid waste and Hazardous waste generated will be disposed as per the rules. There will not be any leakages / spillage from the raw-materials storage. The generated hazardous waste will be stored on floor with suitable packing and this dedicated area will be covered with the roof.
- Extensive oiling, lubrication and preventive maintenance will be carried out for the machineries and equipments to reduce noise generation. Further, green belt development also reduces the noise pollution.
- It is proposed to develop 4329.25 Sqm (i.e 36.87 %) of green belt in the total site area of 11843 Sqm.

He further informed that M/s. Sarvani Labs Pvt Ltd has committed to implement all the pollution control measures to protect the surrounding environment by adopting Zero-Liquid-Discharge System for all its Effluents, by controlling process emissions and Safe-Disposal of all Solid Wastes generated either as process wastes or packing wastes. The Environmental management Plan budget for proposed project is Rs. **100 Lakhs** and recurring cost is Rs. **19 Lakhs** per annum.

The District Revenue Officer, Krishna District requested the public to express their concerns, opinion, suggestions, views etc. on the proposed project.

**1. Sri Malaavath Venkateswar Naik, Jayanthi puram:**

He welcomed the industry in Jayanthipuram village and opined that more industries should come in this area.

**2. Sri Islavath Srinu, Janyanthipuram village:**

He supported the industry coming up in this village which will reduce the unemployment of the youth. He suggested tree plantation shall be taken up in the villages to reduce the pollution and it should be at the beginning of the construction of industry.

**3. Sri V.Mallikarjuna Rao, Sarpanch, Jayanthipuram village:**

He welcomed the project and informed many more industries like this should come in this village which is the only solution of unemployment.

**4. Sri Ch. Guravayya, Jayanthipuram village:**

He also supported the industry coming up in this area and informed that it would be helpful to the youth for employment. He referred about the CSR Activities which should be spent in the surrounding villages only. He further informed that by establishing the industries the Panchayath also get benefited financially. He suggested that there shall not be any odour nuisance from the proposed industry and the villagers shall not get affected due to odour.

**5. Sri Narikella Nagabhushana Rao, Jayanthipuram village:**

While welcoming the industry, he informed that employment should be given on priority to local educated youth. The industry management should be helpful to the poor people of the village.

**6. Sri I.Nageswara Rao, K.Agraharam:**

He also welcomed the industry coming up in this area. He also suggested to give priority to local villagers for employment and development activities for the surrounding villagers.

**7. Sri Gundla Krishna Rao, K.Agraharam:**

While welcoming the project, informed that employment on priority to local youth. Further he suggested that there shall not be any pollution problems in the surrounding villages.

**8. Sri Bandla Gynana Prakash Rao, Jayanthipuram village:**

While welcoming the project, he referred about the employment to the local educated youth.

**9. Sri Kota Raja Rao, Jaggaihpetta:**

He welcomed the CSR fund to be spent by the Managing Director. He suggested that spending of CSR fund should not be limited to Jayanthipuram village, it should be extended to Jaggaihpetta and other villages. Environmental conditions in Jaggaihpetta should be improved by taking up of tree plantation and their protection which would control the temperatures in Jaggaihpetta.

**10. Sri Mullangi Rama Krishna Reddy, Sarpanch, Pochampally:**

He informed that the industries in this area are not extending any help to Pochampally village though it is existing very close to industries. He requested the industries to extend their help on par with the villages where the industries are located. The surrounding villages shall also be developed financially. While welcoming the project he suggested that if at all any pollution problems / damage to the villagers, the industry should be closed accordingly a GO should be issued by the Government.

**11. Sri Sunandha Reddy, NGO:**

He welcomed the Project and supported for issuing of license. He suggested the following to be taken up by the Proponent.

- i. Rain water harvesting structure shall be constructed for raising of ground water table.
- ii. He welcomed the 36% of greenbelt as proposed by the proponent. He suggested that the greenbelt shall have medicinal plants and fruit bearing trees.

- iii. The industry management shall impart training to local youth for skill development.
- iv. Water, air and soil shall not be polluted in the surrounding villages.

**12. Sri Y.Chenna Kesava Reddy, NGO, Hyderabad:**

While welcoming the project he suggested the following.

- i. Employment shall be given to local youth only .
- ii. CSR funds shall be spent to villages within 10 kms from the project site.
- iii. STP and water treatment plants shall be established.
- iv. Medical camps shall be taken up in the surrounding villages.

**13. Sri Dhundigala Anjayya, NGO, Nalgonda:**

He welcomed the project and it would be helpful for giving employment to the locals. He suggested that CSR funds shall be spent to the surrounding villages.

**14. Sri Perika Krishnayya, NGO, Hyderabad:**

He supported the project and suggested that employment shall be given on priority to local youth and CSR fund shall be spent for local poor people.

**15. Sri Vijaya Reddy, NGO, Hyderabad:**

He mentioned that the study on agricultural sector, animal husbandry, human life period was not carried out in EIA report. He suggested the above points shall also be included in EIA. Though the chemical industries adopted ZLD the pollution of Rivers are not stopped. He referred about the sustainable development and the industries should adopt the systems accordingly. He also referred about the release of pollutants like SO<sub>2</sub> and NO<sub>x</sub> in huge quantities from the proposed industry which would affect the environment. He mentioned that the CSR fund allocated by the proponent is not covered under CSR GO.

**16. Sri Lavanam Chandhra Shekar, NGO, Nalgonda:**

He welcomed the project and suggested that employment shall be given to local youth.



The **District Revenue Officer** asked the Project Management to respond on the issues raised by the public.

**Sri K.V.Mahesh, Managing Director** while inviting the public response on welcoming the project, stated that they would voluntarily allocate a fund of Rs.32 lakhs to spent under CSR. He assured that the local educated youth would be given preference in employment for local villages. Further they would extend their guidance / help to local youth for development of skills for employment. He was very much thankful to the public who attended the public hearing for the support of industry.

The **Environmental Engineer** informed that 16 nos. of written representations received during the public hearing and the same were communicated to the Project proponent for their response. All the written representations along with the response of the project proponent would be tabulated and will be submitted along with minutes.

**The District Revenue Officer**, While concluding the public hearing summed up the public opinion expressed and informed that the minutes recorded along with the response of the project proponent on the points raised shall be submitted to MOEF & CC, GOI for taking a decision.

The Environmental Engineer, AP Pollution Control Board proposed vote of thanks for the Chair.

**District Revenue Officer  
& Additional District  
Magistrate  
Krishna Dist.**

Signature valid

Digitally signed by B. F.  
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