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Minutes of the Public hearing meeting for the proposed sponge iron and power plant of M/s. Raja Sponge Iron And Energy Private Limited held on 29-09-10 at 10.30 AM in Thirumalayampalayam Town Panchayat Office, Thirumalayampalayam, Coimbatore South Taluk, Coimbatore District.

Present:

01. Dr.P.Umanath, I.A.S.,
District Collector,
Coimbatore District.
02. Mr.K.Kamaraj,
District Environmental Engineer,
Tamilnadu Pollution Control Board,
Coimbatore.
03. Mr.M. Raja,
Managing Director,
M/s Raja Sponge Iron and Energy (P) Limited
Coimbatore.
04. 52 Village People
(List with their Name and signature enclosed in the Annexure)

In the public hearing, the District Environmental Engineer welcomed the District Collector and the public, he briefly explained about the Environmental Impact Assessment Notification 2006 to the public and also explained about the importance of public hearing and why is being conducted for this project. The District Collector also briefly explained about the importance of public hearing. Then the Project Proponent was requested to make a presentation about this project.

Mr. M. Raja, Managing Director of Raja Sponge Iron And Energy Private Limited gave an introduction about their company and group of companies. Environmental consultant, Vimta Labs Limited gave a presentation on this project explaining about Raja Sponge Iron And Energy Private Limited's production capacity which is about 1.2 Lakhs Tonnes per annum of Sponge iron and 16 MW capacity captive power plant. The total project cost is about Rs. 190.0 crores. The proposed plant will be developed in an area of 22.25 ha (54.97 acres). The details of raw materials required for sponge iron and power plant along with its source and mode of

transport were explained. The power requirement for the entire plant which is about 4.6 MW and this entire power requirement for the plant will be met from the proposed CPP. The total water requirement of the proposed project of 46-m³/hr which will be sourced from Tamilnadu Water supply and Drainage Board. Base line data generation was conducted during pre monsoon season of 2009 based on Meteorology, Ambient Air Quality, Water Quality, Soil Quality and Ecology. They also explained about the Environmental Impacts due to the proposed project and measures proposed to mitigate the impacts. The trade effluent of quantity 4.5 m³/hr generated from DM Plant, softner will be treated in ETP and proposed to use it for spraying on raw material to suppress the dust emission. The unit is also proposed to provide sewage treatment plant to treat the sewage and use it for green belt development. There will not be any discharge of waste water outside the premises. The unit has proposed to provide ESP to kiln and to boiler in power plant and bag filters to all points as air pollution control measures. The unit has proposed to spend a sum of Rs. 10 crore towards cost of control measures. The unit has proposed to develop green belt in an area of 18.35 acres which is 33.38% of total area of land. This project will provide direct and indirect employment to about 1500 person and about the CSR social service activities which is being done by the management of the industry.

During the presentation, the District Collector raised the question as where the source of ore is from and in which way the ore is to be transported to the industry?

Response was given by consultant that the iron ore is from Bellary (Karnataka) brought through train to Coimbatore and by road to the industry coal quartzite is imported from South Africa & Indonesia through ship to Cochin and to the site from Cochin through road. Remaining raw materials namely dolomite and limestone will also be transported by road and rail to plant site.

Is there any other industry with this same technology? Where is it located?

Response was given by proponent as there are few industries namely Agni steels, Rangaraj Ispat and Alloys located near Perundurai, High Tech Mineral Industries at Salem are following the same technology as proposed by Raja Sponge iron and Energy private limited.

Then the Public was requested to give their opinion / suggestion about this project. Questions raised by public and the reply provided by the promoters / consultants are given below.

1. Mr. Loganathan, Pichanur Village

Drinking water is not sufficient in the village. If the industry is consuming more water then there will be scarcity of water for the public due to the tapping of water from TWAD Board pipe line by the industry.

Response by the Promotor - The problem of scarcity of water will not arise since water supply by TWAD Board will be in two ways as domestic and commercial/ industrial supply. This industry will be supplied with industrial use water only, and not from domestic use. Moreover the industry is planning to give 1 Lakh litre/day to Village for drinking purpose in this scheme.

2. Mr. Salaman Batcha, President, Machukkarai Town Panchayat

Requested for employment to the local people. Appreciated the industry for doing social work.

Response by Promoter - Based upon the skills available local people will be given preference.

3. Mr. Muthukumar, Thirumalayampalayam

There is a hospital and a habitation located near the proposed industrial site compound. There is no proper drainage facility for the rain water near the industry and information about public hearing was not known to him.

Response by the TNPCB - Information about public hearing was published in Thinathathi and Indian Express on 20-08-10. Notices was displayed in the Thirumalayampalayam Town Panchayat and Collectorate, Coimbatore District for public view.

Response by the Promotor: Necessary steps for drainage of rain water will be taken after getting permission from the Revenue Department since the land belongs to Government.

4. **Mr. Thirumurthi, Thirumalayampalayam**

Where the solid waste will be stored, whether it will create environmental pollution and what will be the effect? Whether it will give any problem to nearby school.

Response was given by the consultant as the solid waste generated will be stored in 20 acre of land near to the proposed industry. Also the recycling process will be carried out to the maximum extent possible hence no pollution will happen. This 20 acre of land is not nearer to the school area. Development of green belt area of about 15 acre around the industry will reduce the dust emission if any. The solid waste is an inert material which will not have any toxic substances.

5. **Mr. Palaniswamy, Thirumalayampalayam**

What is the effect of iron oxide from this industry as village people will not know the effect of iron oxide, so metallurgy person should explain?

Response by the industrial consultant Ramachandran- This type of industry was started in the year 1978, working in this industry for about 35 years. There is no emission of toxic gases and there will not be any emission of iron oxide to the atmosphere. The industry has proposed to provide latest APC measures to control dust emission.

Response by the District Collector: The Pollution Control Board will monitor the industry regularly, if any complaint in future let me know. We will take immediate action to control pollution.

6. **Mr. Muthukumar, Thirumalayampalayam**

Employment for other state people (Bihar, Orissa, Rajasthan, etc.,) is only given, local people are not employed.

Response by Industry - Eligible people will be given preference based upon their skill and capability of working.

7. Mr. Subramani, Thirumalayampalayam

Appreciated for the industry for using local vehicles for the transportation in the industry.

8. Mr. Duraiswamy, Thirumalayampalayam

There is no proper drainage facility for the rain water near the industry compound wall.

Response by the Promotor : The land mentioned is owned by the Government. If necessary permission is given by the Revenue Department immediate steps will be taken to provide proper drainage facility.

The District Environmental Engineer, TNPC Board thanked the Public for their Co-Operation.

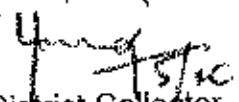
The meeting came to an end.

Statement of the issues raised in the Public Hearing Meeting and the response of the Industry M/s.Raja Sponge Iron and Energy Pvt. Limited

| Sl. No | Issues Raised | Response / Comment of the Proponent |
|--------|--|--|
| 01 | Whether water supply by the TWAD Board for the industry will affect the quantity of water supplied for drinking purpose since already there is a scarcity of water in the Village. | The water required for the proposed industry will be supplied by the TWAD Board from its industrial and commercial allocation only. Hence there will not be any effect on the existing domestic water supply system. |
| 02 | Whether employment will be given to local people. | Preference will be given to the local people in the employment based on their skills and qualification |
| 03 | No Proper drainage facility due to which there is stagnation of rain water give nuisance to the Public near the | The rainwater stagnation is not due to the runoff from our proposed plant site. The rain water stagnation is not even occurs outside of our plant site. As |

| | | |
|----|---|---|
| | industry land. | committed in the meeting, if revenue department gives permission we will make required drainage facility as a CSR activity. |
| 04 | The place in which solid waste proposed to be stored is not clearly indicated in the presentation. The details of solid waste and method of disposal shall be furnished. Whether the storage of solid waste will give any emission Environmental problem in particular to the school located nearby | The land allotted for the storage of solid waste is located eastern side of the plant area. The details of the solid waste generation and disposal method is enclosed. In the solid waste storage area regular water sprinkling will be done to avoid the dust raise and green belt will be developed around the solid waste storage area to avoid the spreading of the same. Hence there will not be any environmental problem in this area specifically to the school located nearby. |
| 05 | What is the effect of iron oxide. How the gaseous and dust pollution will be controlled in order to avoid hazard to the Public. | The dust emission generates from the kiln and boiler will be controlled by installing individual Electro Static Precipitators (ESP). High efficient bag filters will be installed to other air pollution sources like material handling areas. Stack with adequate height will be provided to disperse the gaseous emission from the plant. |
| 06 | Whether the Project will have waste water? How it will be treated whether it will affect the ground water of that area. | The waste water generates from the DM Plant, softening plant and washing of vehicles which will be treated in the proposed ETP and will be reused for dust suppression in raw material and solid waste storage area. The treated sewage only will be used for green belt development. No wastewater will be disposed outside the plant premises. Hence there will not be any impact on ground water. |


 District Environmental Engineer
 TNPC Board, Coimbatore.


 District Collector,
 Coimbatore District,
 Coimbatore.

**RAJA****SPONGE IRON AND ENERGY PRIVATE LIMITED**

Mfrs : SPONGE IRON & POWER.

SF No. 127, Thirumalayampalayam, Velantrivayalam Road, Madukkarai, Coimbatore - 641 105

Ph : 0422 - 2656674 Fax : 0422 - 2656850 E-mail : raja@cmg.net.in

October 4, 2010

The District Environmental Engineer
Tamil Nadu Pollution Control Board
J - Kapila Tower, Mettupalayam Road
Coimbatore - 641 043

Sub: Submission of reply to the queries raised during the public hearing meeting held at Town Panchayat Office, Thirumalayampalayam, Coimbatore District on 29.09.2010 for our proposed sponge iron plant with 16 MW power plant - reg.

Respected Sir,

Reference to the above subject, we are herewith providing our reply to the queries raised during the public hearing meeting.

| Sl. No. | Points raised by the public | Remarks / Reply |
|---------|--|--|
| 1 | Whether water supply by the TWAD Board for the industry will affect the quantity of water supplied for drinking purpose since already there is a scarcity of water in the village. | The water required for the proposed industry will be supplied by the TWAD Board from its industrial and commercial allocation only. Hence there will not be any effect on the existing domestic water supply system. |
| 2 | Whether employment will be given to local people. | Preference will be given to the local people in the employment based on their skills and qualification. |
| 3 | No proper drainage facility due to which there is stagnation of rain water give nuisance to the public near the industry land. | The rain water stagnation is not due to the runoff from our proposed plant site. The rain water stagnation is not even occurs outside of our plant site. As committed in the meeting, if revenue department gives permission we will make required drainage facility as a CSR activity. |
| 4 | The place in which solid waste proposed to be stored is not clearly indicated in the presentation. The details of solid waste and method of disposal shall be furnished. Whether the storage of solid waste will give any emission environmental problem in particular to the school located nearby. | The land allotted for the storage of solid waste is located eastern side of the plant area. The detail of the solid waste generation and disposal method is enclosed. In the solid waste storage area regular water sprinkling will be done to avoid the dust raise and green belt will be developed around the solid waste storage area to avoid the spreading of the same. Hence there will not be any environmental problem in this area specifically to the school located nearby. |

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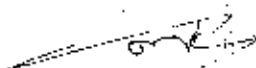
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| 6 | Whether the project will have wastewater? How it will be treated? Whether it will affect the ground water of that area. | The wastewater generates from the DM plant, softening plant and washing of vehicles which will be treated in the proposed ETP and will be reused for dust suppression in raw material and solid waste storage area. The treated sewage only will be used for green belt development. No wastewater will be disposed outside the plant premises. Hence there will not be any impact on ground water. |

Kindly acknowledge the same and do the needful in this regard.

Thanking you

Yours faithfully

For Raja Sponge Iron and Energy Private Limited


M. Raja
Managing Director

Encl: a/a

SOLID WASTE GENERATION AND DISPOSAL

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| Sr. No. | Location | Nature of Waste | Quantity (TPH) | | Disposal Method |
|---------|---|---|---------------------------------|------------------|--|
| | | | TPH | TPD | |
| 1 | From WHRB and ESP | Fines & Ash | 2.9 | 70 | Cement plant / Fly ash brick making |
| 2 | Below Dust Settling Chamber | Conditioned wet solid dust | 0.18 | 4.3 | Solid waste disposal site |
| 3 | Kiln & Cooler Dust sealing carriage | Fine dust collected from waste gas duct | 0.04 | 1.0 | Solid waste disposal site |
| 4 | From forced draft cooler dust hopper | Fine dust collected from waste | 1.05 | 25 | Fly ash brick making |
| 5 | Cooler over size gas accretion place | | 0.42 | 10 | Yard preparation & road lying |
| 6 | Product separation system | i.Char ii.Dolochar iii.Bag filter fines | 3.75 TPH 1.25 TPH 7.2 TPH | 293 30 173 | Reuse as fuel in power plant Reuse as fuel in power plant Sell to agarbathi & mosquito coil manufacturing plants |
| 7 | Day Bin | Fine Dust of Coal, Iron ore and Dolomite | 2.1 TPH | 50 | Iron ore dust - Reuse in pellet plant Coal dust - Reuse as fuel in power plant |
| 8 | AFBC Boiler - Boiler, Economizer & ESP | Fine fly ash | 1.87 TPH | 45 | Cement plant / Fly ash brick making |
| 9 | Iron ore screening circuit From bag filter From vibrating screens | Iron ore fines Iron ore feed | 2.42 TPH 20.0 TPH | 58 480 | Reuse in pellet plant |
| 10 | Coal Crushing and screening circuit | Coal fines | 2.81 TPH | 67.4 | Reuse as fuel in power plant |



For **RAJA STEELS PRIVATE LIMITED**

(M. RAJA)
Managing Director