MODIFIED CONSOLIDATED REPORT

I Source of information to be specified to confirm latitude and longitude of the proposed site

1. A site visit must be arranged to the members at the earliest so as to get prima facie information (before February at the end of the Monsoon). EIA may be initiated after monsoon and visit will be held during EIA Study.

1.1 The mention, on how the proposed land of the power plant is matching with the Master plan existing in that area and a cross check has to be made with the consent of the Town and Country Planning wing. Does the proposed area come in existing Master Plan as an extension or as a new layout?

1.2 Will there be any catchment area nearby? Or is connecting any existing catchment, as it would form a potential barrier for rainfall runoff and hence groundwater potential restoration may take a new pattern in future periods

1.7 Temporary accommodation facilities with Proper sanitation and Safety [under Occupational Health and Safety (OHS) for the construction workers in the site], a must in the recent provision under Union Labour law

1.8 Mention the maximum depth of excavation? Entire excavated material in filling site is not possible, as it may not comply with the specification of filling material

1.9 Impact of underground works like gas feeders, water and foundation etc on existing ground water table of the proposed area.

1.9 Reclamation is necessary for some part of the soil formation which may be found unsuitable for construction, laying foundation and power cables

1.12 Provisions of CRZ should be applied and the site confirmation is required.

1.13 Possible CO_2 emission per MW of electricity production as per Central Electricity Authority (CEA) norms and CDM. (1.30) & III-2

The extent of area of Mangrove, its species, diversity their distribution to be quantified. Any proposal to plant Mangroves in the nearby area to compensate the loss. Implications for EMP

III (2) Quantification of the impact Godavari river Basin and ecological sensitivity. How storm water will be managed. The potentiality of rainwater harvest especially roof water 1.21 and 2.3.10.2

Where will be the gas pipeline from source to power plant? Above/below ground. At what depth? Impacts? Transmission pipe line How it affects the land? its impact on both environmental and social aspectsmust be incorporated in the study.

What will be the impact of offshore structures and water intake structures on local biodiversity? & Fisheries? How it will be reduced?

Safety measures for transport of materials to the site.

There should be some access roads, otherwise how is the ease of commutation to site? Needs site confirmation

Depth of Pipelines for plant effluent shall be mentioned.

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3.3.1 How many local man days can be generated during erection and operation. Anticipate the lifestyle change.

1.3.1 What about the generated waste oil resulting from the machineries during the construction phase, maintenance of equipments during the operation.

2.6.1 How much power will be required during construction? Is there assured power supply? If diesel gen sets are used, contingency plan have to be evolved. Since the site is windy, explore the possibility of commissioning one or two aero generators at least for power supply during construction and as a stand by.

2.7 Reliability of uninterrupted gas supply has to be ensured.

3 Quantification of Municipal solid waste, Hazardous waste and other industrial process waste, thermal pollution.

1.15 The disposal method for the reject or concentrate from desalination plant should be furnished with respect to the method of desalination to be adopted. (Best available technology for TDS management may be specified.)

Details of the effluent treatment methods to be provided

Details of the effluent treatment methods for the demineralization plant regeneration waste.

Treatment method to be specified for the filter back wash.

Separate treatment facility to be provided for flow down and rejects.

Recycling of secondary effluent of sewage to be described to avoid eutrophication.

5.3 Estimate the quantum of generation & mitigation measures for fugitive dust.

6.1 The species selected for Green Belt should be native, multi- purpose, fast growing species.

8.1 & 8.2
Quantified Risk Assessment (QRA) and disaster proneness: (Details to be provided)

9. Details required on provisions kept for future expansion of power project of identical capacity.

2.4.1.1. Air quality study with sampling at 6-10 m height at radius of 20 KM.

2.3.5 Under soil quality, estimate soil infiltration capacity

2.4.1.6 Ensure state of the art design standards for safety from accidents.

Explain Switchyard.
Provision for emission of oraganic vapours and gases from thickener and centrifuge

2.1 Proposed outfall sewer alignment in the acquired area of power plant site.

Annexure I :

Respirable Particulate Matter (RPM) should be scaled to PM 2.5 and PM 10.

S. Bhuvaraman 7/11/08
T. Nanda Gopal 7/11/08

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6.1 Occupational safety and health measures for noise and intensity of the vibration from machines.
The wind zone class needs to be mentioned for the proposed site.

8.1 Clearance under risk assessment for the location of temple and schools.

Annexure – I Ambient air quality sampling: the 24 hourly and 8 hourly values should be met 98% of the time in a year. 2 % of the time it may exceed but not on two consecutive days.

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1. DR. S. BHYRAVAMURTY. S. Bhyravamurty 7/11/08.

2. Dr. T. NAMBIRAJAN T. Nambirajan 7.11.08

3. Dr. R. SARAVANANE R. Saravanane 7/11/08

4. Dr. S. GANAPATHY VENKATA SUBRAMANIAN S. Ganapathy Subramanian 07/XI/08.

5. Dr. G. POYYAMOLI

6. Dr. K. SUNDARAVADIVELU 07/11/08

7. Dr. M. P. RAMANUJAM : 07/11/2008.

Minutes may be communicated to Pondicherry Power Corporation Ltd immediately.

07/11/2008

7/11

No.07/ PPCC / COM/YNM/SCI-II/08 ~~~

GOVERNMENT OF PUDUCHERRY
DEPARTMENT OF SCIENCE, TECHNOLOGY AND ENVIRONMENT
OFFICE OF STATE LEVEL EXPERT APPRAISAL COMMITTEE
III, FLOOR, HOUSING BOARD BUILDING, ANNA NAGAR, PUDUCHERRY

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Puducherry, the 3 NOV 2008

To

1. Prof. M.P.Ramanujam, Reader, K.M.Centre for PG Studies, Puducherry.
2. Dr.G.Poyyamoli, Reader, Department of Environment & Ecology, Pondicherry University, Puducherry.
3. Dr. R. Saravanan, Asst. Professor, Department of Civil Engineering, Pondicherry Engineering College, Puducherry.
4. Dr. T. Nambi Rajan, Reader, School of Management, Pondicherry University
5. Dr. L. Nadarajan, Dean, PAJANCO&RI, Karaikal.
6. Prof. Ganapathy Venkatasubramaniyan, Asst. Professor, Centre for Environment Studies Anna University, Chennai
7. Dr.K.K.Sivadasan, Lecturer, Mahatma Gandhi Govt. Arts College, Mahe.
8. Dr. S.Bhyravamurthy, Lecturer, Department of Economics, Dr.S.R.K.Govt.Arts College Yanam.

Sir,

Sub: Convening of second meeting of UT of Puducherry's 400 MW Gas Power Plant proposed at Yanam by M/s. Puducherry Power Corporation Ltd., Yanam – State Level Expert Appraisal Committee Meeting to appraise – Intimation -Reg.

* * *

I am to inform that, second meeting of UT of Puducherry's SLEAC will be held on 07.11.08 at 2.00 PM in the Conference hall of the Housing Board Building, Anna Nagar, Puducherry in connection with approval of Terms of Reference and issue of Environmental Clearance to 400 MW M/s. Gas Power Plant proposed at Yanam by M/s. Puducherry Power Corporation, Puducherry.

I therefore request you kindly to make it convenient to attend the above said meeting.

Yours faithfully,

Secretary
(Dr. K. Sundaravadivelu)
State Level Expert Appraisal Committee