



NAGAI POWER PRIVATE LIMITED

Corporate Office

Plot No. 484/A

Road No. 36, Jubilee Hills

Hyderabad - 500 033, India

CIN No. U40109TG1995PTC022602

P : +91 40 66225800

F : +91 40 23541968

E : info@kvkenenergy.com

U : www.kvkenenergy.com

Ref: NPPL/EC/Ext./May'15/2015-16

Date: 23.05.2015

To

**The Director,
Ministry of Environment, Forests and Climate Change,
Indira Paryavaran Bhawan,
Ali Ganj, Jor Bagh Road,
New Delhi - 110 003**

(Kind Attention: Ms. Sanchita Jindal)

Sub: 2 x 150 MW Coal Based Thermal Power Project at Okkur Village, Nagapattiam District, Tamil Nadu - Extension of validity and amendment of Environment Clearance - Reg.

Ref: (1) EC issued by SEIAA (Tamil Nadu) Vide Lr no. SEIAA/TN/EC/1(d)/010/F - 141/2009 Dated: 27-05-2010.
(2) Amendment to EC issued by MoEF Vide Lr no. J-13012/13/2012-IA.II (T) regarding change in source of coal.

Madam,

We wish to bring to the notice of the Ministry that our Environment Clearance for the above project is due for expiry on 27th May 2015. Construction of 1x150 MW (Unit - I) is in progress. Due to various constraints, the project execution was delayed. It may be mentioned that the installed capacity is 2 x 150 MW and falls under category 'B' as per the EIA Notification, 2006. However, the interstate boundary of Puduchery (formerly Pondicherry) is at an aerial distance of 6-7 km. Hence the project is classified as Category 'A' as per General conditions.

2. It is to submit that we have proposed Water Cooled Condensing (WCC) system and source of water from sea in the EIA/EMP. Accordingly, the EC was granted. However, to conserve the water, it is proposed to install Air Cooled Condensing (ACC) system in-lieu of WCC. Further, considering the allotment of STP water by Govt. of Tamil Nadu through The Tamil Nadu Water Supply and Drainage Board (TWAD), it is proposed to use the water allotted by TWAD and sea water in case of necessity.

3. We herewith submit the following documents for your reference.

a. Form-1 (updated)

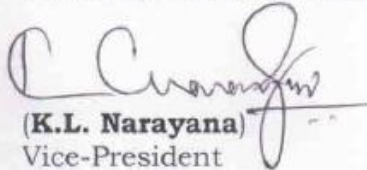
- b. Copy of Environment Clearance issued by SEIAA (Tamil Nadu) and amendment issued by MoEF.
- c. Note on current status of the project & schedule for completion.
- d. Note on delay for executing the 2 x 150 MW Coal Based Thermal Power Project.
- e. Water allotment order by Govt. of Tamil Nadu.

4. In view of the above, we request the Ministry to extend the validity of EC by five years and amend the EC for installation of ACC in-lieu of WCC & use of STP water allotted by Govt of Tamil Nadu in addition to the sea water.

Thanking You,

Yours faithfully

For **NAGAI POWER PRIVATE LIMITED.**


(K.L. Narayana)
Vice-President

Encl: as above

ENVIRONMENTAL CLEARANCE



Thiru.,T.S.Srinivasamurthy,I.F.S.,
DIRECTOR OF ENVIRONMENT AND
MEMBER SECRETARY



STATE LEVEL ENVIRONMENT
IMPACT ASSESSMENT AUTHORITY,
TAMILNADU,
4D, Panagal Building, 1 Jeenls Road,
Saldapet, Chennai-15.

Lr.No.SEIAA/TN/EC/1(d)/010/F- 141/2009 Dated: 27.05.2010

To
The Director,
M/s Nagai Power Pvt.Limited,
6-3-1109/A1, 3rd Floor,
Nava Bharat Chamber, Raj Bhavan Road,
Somejiguda,
Hyderabad

Sir,

Sub: SEIAA, Tamilnadu - M/s. Nagai Power Private Limited, Survey Nos.84-89, 92 & 93 of Okkur Village, Kilvelur Taluk, Survey Nos.182 to 221 of Venkidangal Village, Kilvelur Taluk, Survey No.99, 101, 102, 118 to 122 of Velankudi Village, Nagapattinam Taluk, Survey No.102 to 107 of Periakannamangalam Village, Nagapattinam Taluk & District-Proposed 2 Nos 150 MW coal based Power Plant - Environmental Clearance - issued-Regarding.

This has reference to your application dated 29.08.2007 submitted to the MoEF, Govt.of India and your letter dt.06.08.2008 submitted to the SEIAA, Tamil Nadu seeking Environmental Clearance under the Environment Impact Assessment Notification, 2006.

It is noted, interalia that the project proposal involves construction of coal based power plant of 2 x 150 MW capacity using 2x510 TPH Boller and a 400 KLD desalination plant. The total land area available is 250 acres of which the main plant utilities include 90 acres, coal storage is 35 acres, ash dyke is 45 acres and green belt has been proposed in 80 acres. The project does not involve any Rehabilitation & Resettlement.

It is proposed to utilize imported coal of 4180 TPD as fuel. The water requirement will be 4400 m³/hr which will be met from sea. Trade effluent of 3645 m³/hr will be generated from Boller blow-down, DM plant regeneration waste, R.O rejects and cooling tower blow down and 4.00 m³/hr of sewage will be generated during operation. Sewage will be treated in the STP of capacity 100 KLD and treated sewage will be utilized for green belt development within the plant premises. Cooling water blow down and R.O rejects will be discharged back into the

sea as reported in the Rapid Marine EIA & EMP study; boiler blow down will be used for ash conditioning and DM plant regeneration waste (after pH neutralization) will be used for greenbelt development.

Electrostatic Precipitator with stack of height 125 m will be provided to control the particulate matter and gaseous emission from the boilers. Bag filters for all coal transfer points and dust suppression and extraction system for coal handling areas have also been proposed. The solid waste generation - boiler ash has been projected as 500 T/day. The ash, solid waste from the process & from the Air Pollution control measures, will be supplied to the cement & brick manufacturers. The cost of the project is Rs.1440 Crores (variable).

The proposal has been appraised by the State Level Expert Appraisal Committee in its meeting held on 14th & 15th November 2008 and subsequently on 19th & 20th March 2009 and 21st-22nd May 2009 as per the prescribed procedure in the light of provisions under the EIA Notification, 2006 on the basis of the mandatory documents enclosed with the application Viz., the Application Form-I, REIA-EMP report based on the TORs prescribed by the SEAC and additional clarifications furnished by the proponent.

The project activity is listed at 1 (d) and falls under B1 Category included in the Schedule of EIA Notification, 2006. Public Hearing was conducted on 15.05.2008 at Neikuppai Village, Nagapattinam District as required for the project.

Also the SCZMA in its 56th meeting held on 29.1.2010 has resolved to recommend the said proposal to the MoEF for issue of CRZ Clearance subject to certain conditions.

Based on the information submitted by you, the SEAC after due consideration of the relevant documents and additional particulars submitted by the Project Proponent has recommended to the SEIAA, Tamil Nadu to grant Environmental Clearance to this project. The proposal was considered by the SEIAA, Tamil Nadu in its meeting held on 14.05.2010 and public consultation was also carried out as required for the project. It is seen from the documents relating to the Public Consultation, the concerns expressed by the public have been addressed and responded to by the proponent in an adequate manner. The SEIAA hereby accords Environmental Clearance to the above project under the provisions of EIA Notification dated 14th September, 2006 based on the recommendations of the SEAC, subject to the strict compliance of the following terms and conditions:



STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

PART A- SPECIFIC CONDITIONS ENVIRONMENT MANAGEMENT MEASURES

- i) Prior CRZ clearance for the activities/facilities to be located in the CRZ area shall be obtained from the Competent Authority before start of the work on the project.
- ii) "Consent for Establishment" shall be obtained from Tamil Nadu Pollution Control Board and a copy shall be furnished to the SEIAA, Tamil Nadu before taking up of any construction activity at the site
- iii) The treated waste water from the STP shall be utilized for green belt development within the plant premises.
- iv) Trade effluent generated from DM plant (after pH neutralization), Boiler Blow down, shall be utilized for green belt development as committed.
- v) Incremental pollution loads on the ambient air quality, noise and water quality shall be periodically monitored.
- vi) Suitable Air Pollution Control System (ESP) and stacks of appropriate height as per the CPCB guidelines shall be provided to control emissions from various sources and shall ensure emissions levels below the standards prescribed by the Tamil Nadu Pollution Control Board. Separate electric meters should be provided to the Air Pollution Control System and a separate log book maintained for the daily meter readings and monthly report submitted to Tamil Nadu Pollution Control Board.
- vii) Water requirement of 4400 m³/hr should be met from the sea.
- viii) Noise level shall be limited to 55 dBA. For people working in high noise area, requisite personal protective equipment like earplugs etc. shall be provided.
- ix) The stack emissions from all the sources shall not exceed 50 mg/Nm³. At no time, the emissions shall exceed the prescribed limits. In the event of failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation through suitable inter-locking arrangement and shall not be restarted until the desired efficiency has been achieved.
- x) The gaseous emissions (SO₂, NO_x) and particulate matter from Boilers, DG sets and other processes shall conform to the standards prescribed by the concerned authorities from time to time.

- xi) Regular monitoring of the air and water quality should be carried out in and around the power plant and records shall be maintained. Six monthly reports shall be submitted to the Tamil Nadu Pollution Control Board and MOEF Regional Office, Bangalore.
- xii) A separate environment and safety management cell with qualified staff shall be set up before commission of construction activities and shall be maintained through out the lifetime of the industry, to carry out the Environmental Management and Monitoring functions for implementation of the stipulated environmental safeguards..
- xiii) The unit shall provide on line continuous stack monitoring for SOx, NOx, CO, SPM for the proposed 510 TPH boilers.
- xiv) The unit shall provide adequate control measures for the CO emission during start up and shut down operations of the boiler.
- xv) The Ash, solid waste from the process and from the Air Pollution Control Equipments shall be supplied to the Cement & brick manufacturers as committed.
- xvi) The Proponent shall furnish an undertaking that they will abide by the conditions / recommendations mentioned in the EIA report furnished by them.
- xvii) The Environmental Clearance is hereby accorded only for the power generation of 2 x 150 MW.
- xviii) It is mandatory for the project proponent to furnish to the SEIAA, Half yearly compliance report in hard and soft copies on 1st June and 1st December of each calendar year in respect of the conditions stipulated in the prior Environmental clearance.
- xix) The proponent should make separate allocation of funds for the installation and maintenance of proper Pollution Control Measures and the Environmental Measures and earmark separate staff for operation and maintenance of the control system.
- xx) The proponent should give an undertaking for the disposal of fly ash with a commitment from the user agency.
- xxi) Dust suppression & extraction system with highly efficient bag filters shall be provided to control emissions from coal handling areas and coal transfer points so that the emissions are within 50 mg/Nm³.
- xxii) Fugitive emissions shall be controlled within the prescribed limits and regularly monitored Guidelines / Code of Practice issued by the CPCB in



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this regard should be followed. The unit shall install adequate dust collection and extraction system to control fugitive dust emissions at material transfer points as committed. Atomized water spray system with reclaimers shall be installed in the silo used for the storage of ash. Storage of raw materials shall be in closed roof sheds. Covered conveyer belts shall be used to reduce fugitive emissions. Concreting of all the roads, water sprinkling system at coal handling area shall be provided to reduce fugitive emissions as committed.

- xxiii) Efforts shall be made to reduce impact due to the transport of fuel and end products on the surrounding environment including agricultural land.
- xxiv) The fugitive emissions during loading and unloading shall be suitably controlled. Fugitive emissions in the work zone environment, product, and raw materials storage area shall be regularly monitored. The emissions shall conform to the limits imposed by the Tamil Nadu Pollution Control Board/Central Pollution Control Board.
- xxv) The Proponent shall provide adequate Air Pollution Control Measures as committed to various emission sources to satisfy the Ambient Air Quality/Emission standards prescribed by the Tamil Nadu Pollution Control Board.
- xxvi) Ambient air quality monitoring stations (AAQM) shall be set up as per statutory requirement. The locations of ambient air quality monitoring stations shall be decided in consultation with the Tamil Nadu Pollution Control Board and it shall be ensured that at least one station is installed in the up wind and another in the downwind direction as well as where maximum ground level concentrations are anticipated.
- xxvii) This Environmental Clearance does not imply that the other statutory / administrative clearances shall be granted to the project by the concerned authorities. Such authorities would be considering the project on merits and take decisions independently of the Environmental Clearance.

- xxviii) All the recommendations of the Corporate Responsibility for Environmental Protection (CREP) shall be strictly followed.
- xxix) Vehicular emissions should be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of mineral. The vehicles should be covered with a tarpaulin and shall not be overloaded.
- xxx) The company shall comply with all the commitments made during public consultation.
- xxxi) As part of the CSR programme the company shall conduct need based assessment of the nearby villages to evolve suitable economic measures with action plan which can help in upliftment of community. Income generating projects consistent with the traditional skills of the people, vocational training etc shall form part of such programme. The Company shall provide separate budget for community development activities and income generating programmes. This will be in addition to vocational training for individuals imparted to take up self employment and jobs.
- xxxii) The unit shall furnish the details of the activities proposed under Corporate Social Responsibility not less than Rs.5 Crores within two months from the date of the Environmental Clearance.
- xxxiii) The initial financial outlay for the Corporate Social Responsibility should not be less than Rs.5.00 Crores and be supported with adequate annual financial provisions for meeting the maintenance and recurring costs.
- xxxiv) The treated effluents conforming to the prescribed standards only shall be discharged from cold water side in the sea. The temperature of the discharged effluents shall not exceed 5°C over and above the ambient water temperature of sea. The temperature of the discharged water shall be monitored continuously and records maintained.

B. GENERAL CONDITIONS:

- i) The Environmental Clearance does not absolve the applicant/proponent of his obligation/requirement to obtain other statutory and administrative clearance from other statutory and administrative authorities.



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- ii) No further expansion or modifications in the plant shall be carried out without prior approval of the SEIAA. In case of deviations or alterations in the project proposal from those submitted for clearance, a fresh reference shall be made to the SEIAA to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
- iii) Occupational health surveillance of the workers shall be carried out on a regular basis and records shall be maintained as per the Factories Act, 1948.
- iv) Proper House keeping programme shall be taken up.
- v) Usage of Personal Protective Equipments (PPEs) by all employees/workers shall be ensured.
- vi) The project proponent shall harvest surface as well as rainwater from the roof tops of the buildings proposed and storm water drains to recharge the ground water.
- vii) The project proponent shall also comply with all the environmental protection measures and safeguards proposed in the EMP report.
- viii) The project proponent shall advertise in at least two local newspapers widely circulated in the region, one of which shall be in the vernacular language informing the public that
 - i) The project has been accorded Environmental Clearance.
 - ii) Copies of clearance letters are available with the Tamil Nadu Pollution Control Board.
 - iii) Environmental Clearance may also be seen on the website of the SEIAA.

The advertisement should be issued within 7 days from the date of issue of the clearance letter and a copy of the same shall be forwarded to the SEIAA.

The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.

- ix) This Environmental Clearance is subject to final orders of the Hon'ble Supreme Court of India in the matter of Goa foundation Vs. Union of India In Writ Petition (civil) No.460 of 2004 as may be applicable to this project.
- x) The SEIAA reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner will implement these conditions.

- xii) The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.
- xiii) This Environmental Clearance is valid for five years from the date of issue.
- xiv) The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MoEF, Bengaluru, the Zonal Office of CPCB, Bengaluru and the TNPCB. This shall also be put on the website of the Company by the proponent.
- xv) The Environmental Statement for each financial year ending 31st March in Form-V as is mandated has to be submitted by the project proponent to the Tamil Nadu Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the Regional Office of MoEF, Bengaluru by e-mail.
- xvi) The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, Bengaluru, the respective Zonal Office of CPCB, Bengaluru and the TNPCB. The criteria pollutant levels namely; SPM, RSPM, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.



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xvi) A copy of the clearance letter shall be sent by the proponent to the Commissioner, Nagapattinam Panchayat Union and the Local NGO, if any, from whom suggestions /representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.


Member Secretary,
State Level Environment Impact
Assessment Authority,
Tamil Nadu.

Copy to: -

1. The Principal Secretary to Government, Environment & Forests Dept,
Govt. of Tamil Nadu, Fort St. George, Chennai-9.
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan,
CBD Cum-Office Complex, East Arjun Nagar, New Delhi 110032.
3. The Member Secretary, Tamil Nadu Pollution Control Board,
76 Mount Salai, Guindy, Chennai-600 032.
4. The CCF, Regional Office, Ministry of Environment & Forest (SZ),
Kendriya Sadan, IV floor, E&F wings, 17th Main Road,
Koramangala II Block, Bangalore - 560034.
5. Monitoring Cell, I A Division, Ministry of Environment & Forests,
Paryavaran Bhavan, CGO Complex, New Delhi 110003.
6. The Commissioner, Nagapattinam Panchayat Union, Nagapattinam District.
7. Stock File.



(J-13012/13/2012 - IA. II (T))
Government of India
Ministry of Environment & Forests

Tel no: 011- 2436 4067
Paryavaran Bhavan, C.G.O. Complex,
Lodi Road, New Delhi -110003.
Dated: 05.09.2012.

OFFICE ORDER

Sub: 2x150 MW Coal Based Thermal Power Plant at village Okkur, in Kelvelur Taluk, in Nagapattinam Distt., in Tamil Nadu - reg. amendment in environmental clearance by change in source of fuel.

Sir,

This has reference to your letter no. NPPL/MoEF/EC/002, dated 26.03.2012 requesting for amendment in environmental clearance issued by State Level Environment Impact Assessment Authority (SEIAA) vide its letter of even no. dated 27.05.2010, on the above mentioned power project.

2. The request has been examined and the matter was placed before the Expert Appraisal Committee (Thermal Power) in its 46th meeting held during April 9-10, 2012. In acceptance of the recommendation of the Expert Appraisal Committee (thermal Power) made in the aforesaid meeting it is informed that the following changes as mentioned under shall be made in the environmental letter issued for the above mentioned power project vide letter no. SEIAA/TN/EC/I(d)/010/F-141/2009, dated 27.05.2010.

(i) At Para no.3, in the first line the sentence read as "imported coal of 4180 TDP as fuel" shall be now substituted as "domestic coal and imported coal in the ratio 70:30 (1.1 MPTA domestic coal : 0.36 MPTA imported coal) i.e. 1.47 MPTA of blended coal shall be used as fuel".

(ii) At Para no.4, in the fifth line the words read as "500 T/day" shall be now substituted as "1729 T/day".

3. After clause no. (xxxiv) under specific condition under Para no.8 the following shall be now added:

(xxxv) Sulphur and ash contents in the coal to be used in the project shall not exceed 0.6 % and 34% respectively at any given time.

(xxxvi) Fly ash shall not be used for agricultural purpose. No mine void filling will be undertaken as an option for ash utilization without adequate lining of mine with suitable media such that no leachate shall take place at any point of time. In case, the option of mine void

filling is to be adopted, prior detailed study of soil characteristics of the mine area shall be undertaken from an Institute of repute and adequate clay lining shall be ascertained by the State Pollution Control Board and implementation done in close co-ordination with the State Pollution Control Board.

(xxxvii) Utilisation of 100% Fly Ash generated shall be made from 4th year of operation. Status of implementation shall be reported to the Regional Office of the Ministry from time to time.

(xxxviii) Ash pond shall be lined with HDPE/LDPE lining or any other suitable impermeable media such that no leachate takes place at any point of time. Adequate safety measures shall also be implemented to protect the ash dyke from getting breached.


(xxxix) Green Belt consisting of 3 tiers of plantations of native species around the plant of atleast 50 m width shall be raised (except in areas not feasible). The density of trees shall not be less than 2500 per Ha and rate of survival atleast 80%. Additional green belt of appropriate density and width not less than 50 m atleast, shall be also developed between the ash pond and the village facing the ash pond.

(xl) An Environmental Cell shall be created at the project site itself and shall be headed by qualified officer, who is well versed with the environmental aspects. It shall be ensured that the Head of the Cell shall directly report to the head of the Organization.

4. All other conditions mentioned in aforesaid environmental clearance letter of even no. 27.05.2010 shall remain the same.

This issues with the approval of the Competent Authority.

Yours faithfully,


(Dr. Saroj)
Scientists 'F'

M/s Nagai Power Pvt. Ltd.
6-3-1109/A1, 3rd Floor,
Nava Bharat Chamber, Raj Bhavan Road,
Somejiguda, Hyderabad.

Copy to:

1. The Secretary, Ministry of Power, Shram Shakti Bhawan, Rafi Marg, New Delhi 110001.
2. The Secretary (Environment), Environment Department, Government of Tamil Nadu.

3. The Chairman, Central Electricity Authority, SewaBhawan, R.K. Puram, New Delhi-110066.
4. The Chairman, Tamil Nadu State Pollution Control Board, No. 76, Mount Road, Mount Salai, Guindy, Chennai - 600 032
5. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi- 110032.
6. The Chief Conservator of Forests, Regional Office (SZ), KendriyaSadana, 4th Floor E&F Wings 17th Main Road, 1 Block , Koranmangala, Bangalore -560 034.
7. The District Collector, Nagapattinam District, Govt. of Tamil Nadu.
8. The Director (EI), MOEF.
9. Guard file.
10. Monitoring file.

(Dr. Saroj)
Scientists 'F'

BTG (Boiler & TG)

Around 65% of boiler materials received at site balance supplies are in progress. Turbine & Generator is from BHEL is in good progress and scheduled to receive by November 2015.

Electrostatic precipitator, around 40% materials received balance is in progress.

Balance of Plant

Mechanical:

Orders for Coal Handling plant, Ash Handling Plant, Water treatment Plant, Power House Building, Bunker building EOT crane, Compressors, Structures for pipe rack, Civil works for the entire plant, IDCT etc have been ordered and engineering is completed, supplies started.

Most of BOP items like Coal Handling plant, Ash Handling plant, Water treatment plant, Compressor, EOT crane, Civil works, IDCT, Water pipe line etc are common facility for Unit 1 & 2.

Electrical:

Electrical BoP is ordered, engineering is under final stage. Within 2 months supplies will start. This is common facility for Unit 1 & 2.

Civil construction works are in full swing, foundations for boiler, Turbine, ESP, CHP, AHP, Ash Pond, Chimney, etc

Laying of 230 KV transmission line from Unit # 1 to TNEB sus-station is in progress, around 65% of towers are installed, balance is in progress.

Both units, Unit # 1 is scheduled to commission by September 2016 and Unit # 2 is scheduled to commission by September 2018.

NAGAI POWER PRIVATE LIMITED

Note on reasons for delay of 2 X 150 MW Nagai Power Pvt Ltd, Okkur Village, Nagapattinam District, Tamil Nadu State.

1. Project EC was granted in May 2010 and was initially envisaged to commence the construction in October, 2010 after taking the first disbursement from the term lenders. But due to delay in receiving the CFE from State Pollution Control Board, Tamilnadu, Nagai Power Pvt Ltd has taken the first disbursement on December 2011. There was a delay of 15 months in commencing of construction works.
2. Even after taking the first disbursement from the Project Lead Lender, one of the term lenders has not disbursed its proportionate share and was not showing interest to participate in the consortium. Subsequently Nagai Power Pvt Ltd has approached lead lender, to take over the same loan. The same was approved and the loan disbursed in September, 2013. Because of this there was a delay of 20 months on account of the non disbursal of term loan by one of the term lender.
3. At later stage during the execution of the project, EPC contractor was not shown interest to perform the contract as the project got delayed because of the above reasons and wants to quit from the project. This has caused delay of the project, since all sub contractors have stopped working and wants to renegotiate the contracts with NPPL. Because of this reason the project was delayed further.
4. Now the project works restarted and is in good progress. Latest site photographs are attached which explains the status of the project.
5. Tamil Nadu Govt. has issued a Gazette Notification vide No: GO: (3D) No: 19 dated 10th May 2013, agreeing to supply the secondary treated effluent water to the plant. The Nagapattinam Municipality has started constructing Secondary Treatment Plant at Nagapattinam municipal area and plant is expected to be ready by November 2014. As per the latest status it looks that the civil construction works are not completed, the STP may be further delayed by 12 months from now. Because of this delay in STP readiness, the water treatment plant at site will get delayed for further period and boiler commissioning shall be delayed for want of water.

6. Nagai Power has tied up for coal supply agreement for 2 x 150 MW power plant with Mahanadi coal Fields, Odisha.
7. The present over all status of the project that 60% of the Phase – I works have been completed. We expect to commission of 2 x 150 MW by 2018.

PHOTOGRAPHS OF PLANT SITE UNDER CONSTRUCTION

APPROACH ROAD TO MAIN PLANT



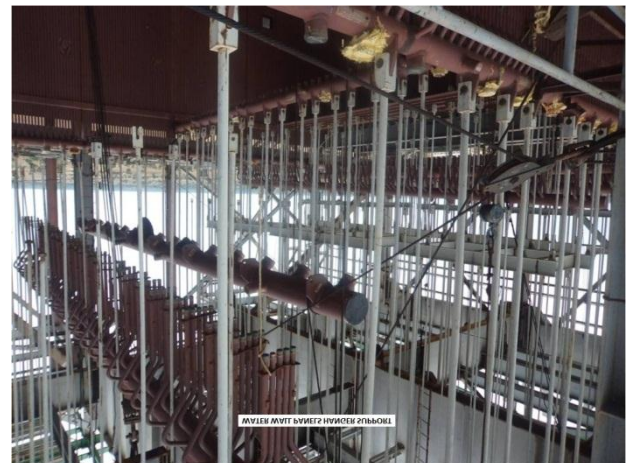
BOILER WITH CHIMNEY



BOILER DRUM IN POSITION



WATER WALL PANELS HANGER SUPPORT



ESP STRUCTURE



ID FAN - 1



FLY ASH SILO STRUCTURE



CHP TUNNEL



ASH POND



WEIGH BRIDGE





ABSTRACT

Under Ground Sewerage Scheme – Nagapattinam Under Ground Sewerage – Permission to Nagapattinam Municipality for sale of the secondary treatment effluent to M/s. KVK. Nagai Power Private Limited – Orders – Issued.

Municipal Administration and Water Supply (M.A.3) Department

G.O.(3D) No.19

Dated : 10.05.2013.

Vijaya, Chitirai-27,
Tiruvalluvar Aandu -2044,

Read:

1. G.O. (2D) No. 237, Municipal Administration and Water Supply (M.A.3) Department, dated : 11.12.2007.

Read also:-

2. From the Commissioner of Municipal Administration Letter Roc.No.17507/2012/UGSS.1,dated:17.01.2013 and 19.03.2013.

ORDER:-

In the Government Order first read above, orders were issued according administrative sanction for implementing the Under Ground Sewerage Scheme in Nagapattinam Municipality at an estimated cost of Rs. 49.43 crore. The implementation was entrusted to Tamil Nadu Water Supply and Drainage Board. The Tamil Nadu Water Supply and Drainage Board has taken up the implementation in 6 packages, i.e. 4 packages collection system and 2 package STP i.e. 2.96 mld STP at Nagoor area and 9.63 mld STP for remaining area of the town.

2) In the letters second read above, the Commissioner of Municipal Administration has stated that M/s. KVK Nagai Power Private Limited has stated that the Company has proposed to set up a power plant of 300 MW at Okkur Village in Nagapattinam District and also informed that they are interested to purchase the secondary treated effluent for their industrial purposes. The above firms have requested Tamil Nadu Water Supply and Drainage Board to supply of treated effluent to their plant for industrial purpose in a piped system from the STP, which is under construction under Nagapattinam Under Ground Sewerage Scheme for Nagoor area.

3) He has also stated that the Managing Director, Tamil Nadu Water Supply and Drainage Board, has requested that necessary concurrence

may be given to the above firm and the same may be communicated to Tamil Nadu Water Supply and Drainage Board for taking further action. In this regard, the Commissioner of Municipal Administration has stated that the Executive Director and the Chief Executive Officer of Nagai Power Corporations Private Limited has furnished the following particulars for consideration of their proposal:-

- (i) As the sewage treatment plant which is under construction, is only the secondary treatment plant and action for which as establishing Tertiary Treatment Plant for further treatment to use effluent for industrial use and other purpose is the look out of the company and plan of action for the same needs to be furnished.
- (ii) The feasibility study for conveying the treated effluent from Municipal site to factory.
- (iii) The action plan for getting statutory approvals wherever necessary.
- (iv) The copy model document for MOU if any available within the country.
- (v) The other commitment of the company to take care of the O&M of the plant as well all payment of charge for the quality of treated effluent supplied to the Company.
- (vi) The water is planned primarily to be used for industrial purpose and inside their plant, necessary works for production of Demineralised water for the boilers and further tertiary treatment works including ultra filtration units to generate the necessary quality of water. Hence, secondary treated water from the STP is acceptable to be proposed.
- (vii) They requested the directions and permission to install sump and simple pumping station at the STP site which belongs to municipality. The details of the same will be worked out and discussed with the local authorities. It is envisaged that a 6 inch pipe line from the STP to the power plant, which is about 10 km away for which the company will take care of laying. On receipt of directions from the department and advice from the local authorities, the implementation will be carried out by the company by engaged approved agencies such as Public Works Department or Tamil Nadu Water Supply and Drainage Board to carry out this work along with laying of pipeline from the STP to power plant.
- (viii) As part of the feasibility study and execution of works, M/s. KVK Nagai Power Private Limited has agreed to take full responsibility to obtain necessary statutory approval and clearance, as necessary.

4) Further, the Commissioner of Municipal Administration has stated that a detailed discussion has been held on 25.10.2012 with regard to supply of related effluent from Nagapattinam STP to M/s. KVK Nagai Power Private Limited in the presence of representative from Municipality, Tamil Nadu Water Supply and Drainage Board and Tamil Nadu Urban

Infrastructure Financial Services Limited and the following decisions were taken after detailed deliberation:-

- It was agreed in principle that 2.50 MLD of treated effluent can be supplied to M/s. KVK Nagai Power Private Limited for which the Municipal Commissioner was requested to apprise the council suitably for appropriate resolution and proposal sent to Commissioner of Municipal Administration office for taking necessary action and also obtaining the permission from the Government.
- M/s. KVK Power Private Limited shall take up a detailed feasibility study and furnish feasibility report to the Office of the Commissioner of Municipal Administration within 2 weeks time for taking necessary action.
- With regard to taking over of the O&M of the plant by the M/s. KVK Nagai Power Private Limited will be decided in due course of time.
- M/s. KVK Nagai Power Private Limited has furnished the preliminary feasibility report for taking necessary action as per the directions issued in the minutes of the meeting held on 25.10.2012.

5) He has, also stated that the Municipal Council, Nagapattinam has resolved to spare 2.50 mld of secondary treated effluent from Nagoor STP to M/s. KVK Nagai Power Private Limited as per the prevailing procedure and may be charged as per the prevailing rate being followed in Chennai Metropolitan Water Supply and Sewerage Board (CMWSSB), in its resolution No. 543, dated : 29.11.2012 and the Commissioner of Municipal Administration has furnished the following details in respect of Tenure, Terms and Renewal of Agreement with M/s. KVK. Nagai Power Private Limited as follows:-

- i. Tenure of Agreement:- A memorandum of agreement prevailing in Chennai Metropolitan Water Supply and Sewerage Board (CMWSSB) with M/s. Madras Fertilizer Limited, M/s. Chennai Petroleum Corporation Limited and M/s. Manali Petrochemical Limited will be followed.
- ii. Terms of Agreement:-
 - a. The present tariff will be Rs. 11.30 per Kilo Litre during the initial period and on increase of the tariff by 5% every year.
 - b. The secondary treated effluent alone given to the company and other infrastructure required for further treatment conveyance permission and other statutory permission, etc. Will be the responsibility of M/s. KVK. Nagai Power Private Limited
- iii. Renewal of Agreement:- The Agreement entered with M/s. KVK. Nagai Power Private Limited and Nagapattinam Municipality will be renewed once in three years (or) on mutually agreed terms.

6) The Commissioner of Municipal Administration has requested the Government to accord necessary permission to Nagapattinam Municipality for sale of the secondary treatment effluent of 2.50 mld to M/s. KVK. Nagai Power Private Limited as per the mutually agreed terms and conditions prevailing in Chennai Metropolitan Water Supply and Sewerage Board (CMWSSB).

7) The Government, after careful examination of the proposal of the Commissioner of Municipal Administration, accord permission to Nagapattinam Municipality for sale of the secondary treatment effluent of 2.50 mld to M/s. KVK. Nagai Power Private Limited and to fix the charges as per the prevailing rate and mutually agreed terms and conditions prevailing in Chennai Metropolitan Water Supply and Sewerage Board (CMWSSB).

(By Order of the Governor)

K.PHANINDRA REDDY
SECRETARY TO GOVERNMENT

To

The Commissioner of Municipal Administration, Chennai – 600 005.

The Chairman Managing Director, Tamil Nadu Water Supply and
Drainage Board, Chennai – 600 005.

The Chairman Managing Director, TNUISL, Chennai – 600 017.

The Managing Director, Chennai Metropolitan Water Supply & Sewerage
Board, Chennai-600 002

The Municipal Commissioner, Nagapattinam Municipality, Nagapattinam.

Copy to:

The Senior Personal Assistant to Minister (MA, RD, Law, Cts. & Pri.),
Chennai- 600 009.

The Senior Personal Secretary to Government, Municipal Administration &
Water Supply Department, Chennai – 600 009.

The Municipal Administration & Water Supply (OP.II) Department,
Chennai – 600 009.

SF/SC.

//Forwarded by Order//

N. Shaila
13.5.2013
SECTION OFFICER
13/5/13