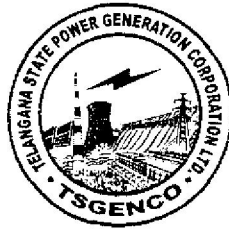


**D. PRABHAKAR RAO**  
Chairman & Managing Director



TELANGANA STATE  
POWER GENERATION CORPORATION LTD.  
(Govt. of Telangana State Undertaking)  
Vidyut Soudha, Khairatabad, Hyderabad-500 082.

Lr.No. CMD/TSGENCO/CE/Civil/Ther/SE/C/TCD-I/D.No. 68 /15, Dt.27.05.2015

To,  
The Member Secretary (Thermal Power),  
Ministry of Environment, Forest & Climate Change,  
Indira Paryavaran Bhavan, Jorbagh,  
New Delhi - 110003.

Madam,

Sub: TSGENCO - Environmental Clearance for Proposed Expansion by addition of 1x800 MW Supercritical Coal Based Kothagudem Thermal Power Station - Stage VII, at Tehsil Palvancha, Dist. Khammam, Telangana State by M/s.Telangana State power Generation Corporation Ltd. (TSGENCO) - Para wise replies to the issues raised by Pushp Jain and Sankar Pani, EIA Resource and Response Centre (eRc), New Delhi - Furnished - Reg.

- Ref: 1. Letter dt. Nil from Pushp Jain & Sankar Pani, eRc, New Delhi issued during 36<sup>th</sup> Meeting of the Expert Appraisal Committee (Thermal Power) held on 19<sup>th</sup> May, 2015.  
2. D.O. Lr. No. 1003-KGM/TSPCB/U-1/TF-BO/2014-311, Dt.03.12.2014.  
3. D.O. Lr. No. CMD/CE/C/Th/SE/C/TCD-I/KTPS/D. No. 120/15, Dt. 07.03.2015  
4. Consent Order No. TSPCB/Hyd/KTM/87/CFO/HO/2015/1244, Dt.20.03.2015  
5. Consent Order No. TSPCB/Hyd/KTM/81/CFO/HO/2014/1272, Dt.27.03.2015  
6. Lr. No. TSPCB/Hyd/KTM/81/CFO/HO/2014, dt. 21.05.2015

\*\*\*\*

During the 36<sup>th</sup> meeting of Expert Appraisal Committee (Thermal Power) held on 19.05.2015 at MoEF & CC's office, New Delhi in connection with granting of environmental clearance for 1x800 MW KTPS - VII stage at Paloncha, Khammam Dist, Telangana State, the Expert Appraisal Committee has handed over the letter dt. Nil of Pushp Jain and Sankar Pani, EIA Resource and Response Centre (eRc), New Delhi and directed to furnish para wise replies to the issues raised by them in their letter cited vide reference.

Contd ... 2

In this connection, it is to inform that the statement of eRc, New Delhi that, "there is no impact of PCB show cause notices issued and fine imposed on TSGENCO" is not correct as TSGENCO is suitably responding to their show cause notices issued and also taking necessary corrective measures to maintain the environmental parameters as fixed by State Pollution Control Board and also attending the review meetings conducted by Pollution Control Board periodically. Further, an action plan vide this office letter 3<sup>rd</sup> cited was submitted to State Pollution Control Board to the various directions given by the Member Secretary, TSPCB, Hyderabad vide D.O. letter 2<sup>nd</sup> cited where in it is clearly mentioned about the necessary steps taken and to be taken in maintaining the environmental parameters as fixed by State Pollution Control Board.

Further, the TSPCB after satisfying with the steps taken and action plan submitted by TSGENCO vide this office letter 2<sup>nd</sup> cited, have issued Consent for operation (CFO) for KTPS -V stage (2X250 MW) and KTPS - I to IV stage (720 MW) vide order Nos 4<sup>th</sup> and 5<sup>th</sup> cited respectively.

In regard to the various issues raised by eRc, New Delhi vide their letter 1<sup>st</sup> cited, the following replies are furnished for kind perusal of Expert Appraisal Committee (Thermal Power), MoEF & CC, New Delhi:

**1. Cumulative Impact Assessment:**

It is not correct to say that cumulative impact assessment not done while carrying out EIA studies for the proposed 1X800 MW unit. The Comprehensive Environment Impact Assessment studies in connection with the 1X800 MW expansion unit KTPS - VII stage were already carried out by TSGENCO through a reputed consultant i.e M/s. Ramky Enviro Engineers Limited, Hyderabad. The study covered the impact of existing plants and other industries located in the study area of 10 Km radial distance from the location of the proposed plant. The cumulative impact due to the proposed plant and existing industries including existing KTPS units is detailed at Chapter - 3 & 4 of the EIA report. The copies of the final EIA report along with action plan including hydro geological study made by M/s National Institute of Hydrology were already submitted to MoEF&CC, Gol, New Delhi. The copies of Chapters - 3&4 of EIA report are once again enclosed herewith for kind perusal.

Contd ... 3

**2. Air and water pollution:**

Regular monthly returns on environmental assessment with respect to Air and Water pollution are being furnished to the State Pollution Control Board (PCB) from time to time. It is not true that there is a continuous air and water pollution due to the existing units of KTPS complex. The parameters as fixed for air and water quality exceeds occasionally due to failure of various systems in the unit due to technical problems which is normal in the operation of thermal power plants. Further, it is agreed that, the state PCB has forfeited Bank Guarantee furnished for Rs. 5.00 Lakhs against non compliance of time bound action on certain issues. However, the corrective measures have been taken immediately to control the air and water quality in prescribed limits and also furnished time bound action plan to comply with all pending issues.

**3. Continuing Non compliance.**

This is not true. Replies to the show cause notices of PCB were furnished duly taking necessary environmental protective measures from time to time to maintain environmental parameters within the prescribed limits with respect to air and water. The Pollution Control Board after satisfying with the steps taken by TSGENCO, have issued Consent for operation (CFO) for KTPS -V stage and KTPS I to IV stages vide orders 4<sup>th</sup> and 5<sup>th</sup> cited respectively.

**4. Land requirement for ash pond and impact of ash pond is not studied.**

It is not true that the impact of proposed ash pond on the surrounding areas is not studied. The Hydro Geological studies to ascertain the impact of ash pond on ground water were carried out by M/s. National Institute of Hydrology, Kakinada and report submitted vide their letter dt. 02.09.2014 and the same is incorporated in EIA report submitted to Expert Appraisal Committee. The analysis given under chapter - 4 indicates that there is less scope for leaching contamination from ashpond to ground water as long term process. Further it is suggested to provide appropriate lining for new ash pond area to safeguard ground water quality. However, as directed by MoEF & CC, Gol, New Delhi during the 32<sup>nd</sup> meeting of EAC, the proposal for new ash pond for the proposed expansion unit 1X800 MW is with drawn. Thus, there is no requirement of additional 230 Acres of land for setting up of ash pond. Copy of the study report furnished by M/s. National Institute of Hydrology, Kakinada is enclosed herewith for kind perusal.

Contd ... 4

**5. Competing users of water.**

The Government of Telangana state has accorded permission to draw 25 Cusecs of water through out the year (0.80 TMC per Annum) from river Godavari near Burgampahad for the proposed 1X800 MW unit vide G.O. Ms. No. 47, dt. 24.12.2014. Further, it is to inform that while allocating water to any industry from any of water source the Government after considering all the water allocations from said source to different users then only they will give fresh allocations to any industry as per the balance availability of water. As such the statement of eRc, New Delhi that no studies were made while allocating water to proposed unit is not true and over enthusiastic.

**6. No Study on Impact of Heavy Metals.**

It is not true. The Hydro Geological studies were carried out by M/s. National Institute of Hydrology, Kakinada to find out the impact of heavy metals in ground water in and around the plant at various locations. The analysis of samples for impact of heavy metals compared with BIS maximum allowable drinking water standards showed that they are within the limits. However as suggested by M/s National Institute of Hydrology, Kakinada, lining will be provided in the ash ponds in the future raising of bunds.

**7. Health problems due to pollution:**

It is not the true that various health problems are arising due to pollution from KTPS units and there are no evidences of death of cattle occurred after drinking water from the natural streams. There are no any such reports from responsible organizations and all allegations made are baseless and false. No complaints were received in KTPS of such occurrences. Further, the farmers living around KTPS complex are cultivating two crops every year as the plenty of water source is available in the form of Kinnerasani river which is being maintained by TSGENCO. TSGENCO is supplying drinking water from Kinnerasani dam for the entire Kothagudem and Paloncha Municipality by allocating 15 Cusecs of water for Kothagudem Municipality and 6.36 Cusecs for Paloncha Municipality. Also drinking water is being supplied to Singhabupalem and other habitations of Kothagudem mandal @ 1.93 Cusecs by TSGENCO. Further KTPS authorities have provided drinking water taps in the private residential colonies located around KTPS township from water treatment plant of KTPS complex on the request made by local public representatives. As such the statement of eRc that, the drinking water is being polluted by KTPS is not true and KTPS is playing a major role in development of Paloncha and Kothagudem towns during the last 2 to 3 decades.



It is baseless to state that the survey conducted during January, 2015 by non-profit Manasa Academy in Paloncha “found 15 of 750 participants had cancer and health of people in Paloncha is deteriorating” is a mere allegation of Sri T.Prabhukumar, Director of Manasa Academy as Sri T.Prabhkumar is a petty business man running catering centre in Paloncha town and he or his academy has no such systems and capacity to conduct a survey in finding out the health conditions of the public living in Paloncha and surrounding villages. It is only baseless allegation and far from truth.

The statement of eRc, New Delhi that, the project proponent has not conducted any studies in regard to existing health impacts is not true as the study is conducted on health status of the public living around 10 Km radius of the proposed expansion unit and the same is incorporated under section 3.13.5 of chapter - 3. Also the KTPS authorities are conducting free medical camps quarterly in the surrounding villages of KTPS complex to assess the health condition of the public and also issuing medicines at free of cost during the health camps.

Further, TSGENCO has allocated Rs. 21.16 Crores @ 0.4 % of the project cost and Rs. 4.23 Crores per Annum @ 0.08 % of the project cost as recurring expenditure towards CSR policy of the proposed expansion unit for taking up various developmental works such as supply of safe drinking water to the villages, development of sanitation facilities, education aspects, health care by conducting health camps, infrastructure development, lively hood enhancement and youth empowerment, green belt development, etc.

Finally, the Member Secretary, TSPCB, Telangana State after satisfying with steps taken and action plan submitted by TSGENCO in connection with the various directions given by the TSPCB with respect to KTPS units, has given a satisfactory compliance report vide letter 6<sup>th</sup> cited addressed to the Member Secretary (Thermal Power), MoEF & CC, New Delhi, wherein it is recommended for consideration of application for environmental clearance for the proposed expansion unit of KTPS VII stage (1X800 MW) at Paloncha, Khammam Dist, Telangana State. The copy of the same is enclosed herewith for kind perusal.

In view of the above, it is to inform that the issues raised by the eRc, New Delhi vide their letter 1<sup>st</sup> cited are baseless, false and far from truth.

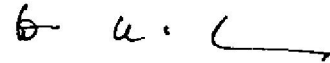
:: 6 ::

It is further to inform that the credentials and existence of the organization eRc, New Delhi has not been established in view of lack of postal address or contact numbers, etc at New Delhi.

It is therefore once again requested to kindly consider the application for environmental clearance for the proposed expansion unit of KTPS VII stage (1x800 MW) at Paloncha, Khammam District, Telangana State and grant environment clearance at an early date so as to enable to go ahead with the project construction works as the State Government has given a mandate to TSGENCO to take up new thermal power plants in the state to add 6000 MW in the coming 3 to 4 years to meet present power demand in the sate.

Encl: As above

Yours faithfully,

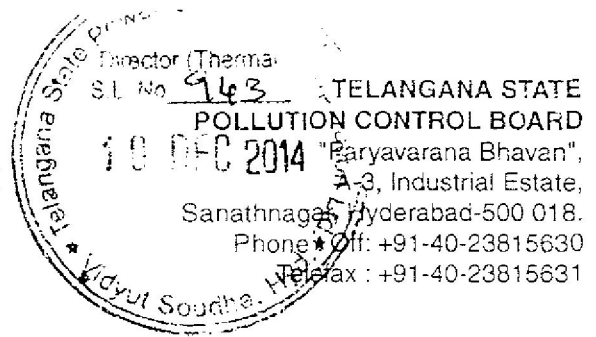
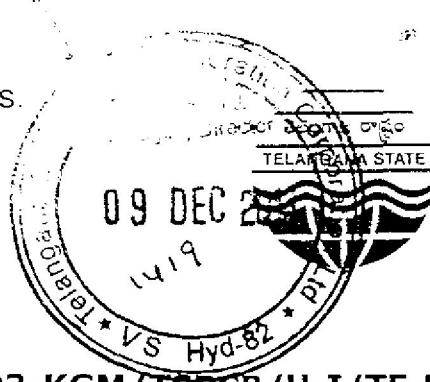


Chairman & Managing Director

Copy to:

All Members of Expert Appraisal Committee (Thermal Power), MoEF & CC,  
Government of India, New Delhi.

V. ANIL KUMAR, I.A.S.  
Member Secretary



**D.O.Lr. No:1003-KGM/TSPCB/U-I/TF-BO/2014-311 Dt. 03.12.2014**

Dear Sri Balchakar Rao Garu,

Sub: M/s Kothagudem Thermal Power Stations ie., O&M plant & V<sup>th</sup> stage plant, Paloncha, Khammam District - Non compliance of the Board Directions - Reg

*Sin Hamed  
CE/12/2014*

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I invite your attention towards the pollution caused by M/s Kothagudem Thermal Power Stations i.e, O&M Plant and V<sup>th</sup> stage plant located at Paloncha, Khammam District.

It has come to the notice of the Pollution Control Board that Sri D Ramesh, Pandurangapuram (V), Paloncha (M), Khammam District has filed a complaint No. 1144/2014/B1 dated 18.03.2014 before the Institution of Lokayukta, Hyderabad against KTPS alleging that the industries are disposing ash into the River Kinnerasani and have objected for the establishment of new power station ie., stage-VII.

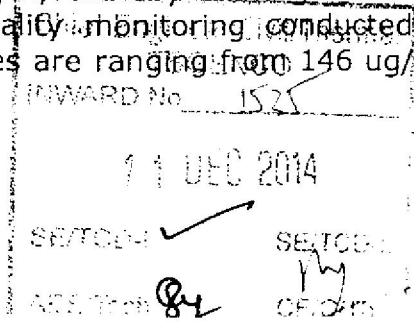
Sri Balineni Satyanarayana, R/o Somulagudem (V), Paloncha (M), Khammam District has also filed PIL No. 224/2014 on 26.08.2014 before the Hon'ble High Court against the industries requesting to take action for not complying with the directions issued by the Board.

*10/12/2014*

In this regard, the Board officials have inspected the industries on 23.06.2014, 24.06.2014 & 25.06.2014 to verify the status of compliance of the directions issued and the following observations were made :

*12/12*

1. Abnormal stack emissions from coal fired boilers ranging from 233.82 to 1560 mg/Nm<sup>3</sup> (standard - 115 mg/Nm<sup>3</sup>).
2. Discharge of ash pond effluents into the Kinnarasani river with TSS value ranging from 3600 to 15200 mg/l as against the Board standard of 100 mg/l.
3. Not provided Continuous Ambient Air Quality Monitoring (CAAQM) station to M/s. KTPS V<sup>th</sup> stage and provided only one Continuous Ambient Air Quality Monitoring (CAAQM) station against 3 stations to M/s. KTPS (O&M). Existing station is also not connected to the Board's website.
4. Flying of ash on to the surrounding villages, thereby causing lot of inconvenience to the people. Ambient air quality monitoring conducted at Suraram (V) on 24.06.2014, the SPM values are ranging from 146 ug/m<sup>3</sup> to 1080 ug/m<sup>3</sup> (Standard - 100 ug/m<sup>3</sup>).



Discrepancy between Board's stack monitoring data and website connectivity data of online stack monitoring instruments. The values recorded by online monitors are much less than the values monitored by the Board.

6. Utilization of flyash was observed to be very less and huge quantity of ash is being discharged into the ponds.
7. Water sprinklers are not provided at coal storage yard for controlling fugitive emissions.

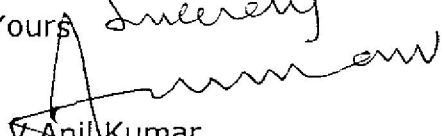
The issue was reviewed by the Task Force committee during the meeting held on 30.10.2014 and the committee has recommended the following :

1. The industry shall submit an action plan within a week towards the compliance of the Board directions as mentioned above.
2. The industry shall immediately arrest the flyash discharges into Kinnarasani river.
3. The Board shall forfeit the Bank Guarantee of Rs. 5.0 Lakhs submitted earlier by M/s KTPS (O&M) for non-compliance of the Board directions. ||
4. The industry shall also submit a fresh BG of Rs. 25 lakhs each towards the compliance of the Board directions. ||

Based on the recommendations of the Committee, the Board has issued directions to the industries. Copies of the orders are enclosed.

I request you to kindly issue necessary instructions to the concerned to ensure compliance of the directions issued by the Board.

With *Regards*

Yours *Sincerely*  
  
Anil Kumar

To  
**Sri D Prabhakar Rao**  
**Chairman and Managing Director**  
**Vidyuth Soudha, Khairatabad**  
**Hyderabad - 500 082**



# TELANGANA STATE POLLUTION CONTROL BOARD

Paryavaran Bhavan, A-III, Industrial Estate, Sanathnagar,

Hyderabad-500 018

Phones : 040-23887500 Fax: 040 - 23887519

**BY REGD. POST WITH ACK. DUE**

Order No. KGM-1003/TSPCB/U-I/TF/2014-300

Dt. 03.12.2014

Sub : M/s K.T.P.S, (O&M), Paloncha (V&M), Khammam District - Water (Prevention and Control of Pollution) Amendment Act, 1988 - Air (Prevention and Control of Pollution) Amendment Act, 1987 - **DIRECTIONS** - Issued - Reg.

- Ref :
1. Order No. APPCB/VJA/KTM/81/HO/2012-2437 dated 05.09.2012.
  2. Order No. 1003/PCB/TF-VJA/2002-551 dated 15.12.2012.
  3. Notices dated 31.10.2013 & 16.11.2013.
  4. Inspection of your industry by the Board officials on 23.06.2014, 24.06.2014 & 25.06.2014.
  5. Show cause notice dated 08.07.2014.
  6. Your letter dated 22.07.2014.
  7. Hearing held on 30.10.2014 at Board office, Hyderabad.

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1. WHEREAS, you are operating the industry located at Paloncha (V&M), Khammam District and generating Electricity - 720 MW.
2. WHEREAS, vide reference 1<sup>st</sup> cited, the Board issued CFO & HW authorization to your industry valid upto 30.04.2013. Presently, the unit is operating without valid consents of the Board.
3. WHEREAS, vide reference 2<sup>nd</sup> cited, the Board has issued directions to comply with the discharge standards and arrest the leakages from the ash ponds and also to take necessary measures to control the air pollution.
4. WHEREAS, vide reference 3<sup>rd</sup> cited, the Board issued notices dated 31.10.2013, 16.11.2013 to your industry for non-compliance of Board conditions and standards.
5. WHEREAS, Sri D Ramesh, Pandurangapuram (V), Paloncha (M), Khammam District has filed a complaint No. 1144/2014/B1 dated 18.03.2014 before the Institution of Lokayukta, Hyderabad against the industry for disposal of ash into the River Kinnerasani and not to establish new power station under stage-VII.
6. WHEREAS, Sri Balineni Satyanarayana, R/o Somulagudem (V), Paloncha (M), Khammam District has filed PIL No. 224/2014 on 26.08.2014 before the Hon'ble High Court against the industry requesting to take action for not complying with the directions issued by the Board.
7. The Board officials inspected your industry on 23<sup>rd</sup>, 24<sup>th</sup> & 25.06.2014 and observed the following non compliance of the directions issued by the Board vide order dt. 15.12.2012 :

### Under water Act

Sl. No.	Directions	Compliance
1.	There shall not be any leakages in the ash slurry pipelines to prevent discharge of ash slurry into Karakavagu / Kinnerasani River.	<b>Not complied</b> During the inspections, it was observed that no leakages were observed in the ash slurry pipelines. However, accumulation of ash is observed in Karakavagu / Kinnerasani River. During the inspection on 21.05.2014 samples were collected at Outlet of industry. As per the analysis results, TSS value of the effluent discharged into Karakavagu was

		recorded as <b>8320mg/lt as against 100mg/lt</b> which is exceeding the Board's stipulated surface water standard. Fly ash deposition was also observed in the River Kinnersani at Nagaram bridge which is existing at about 7kms from the industry.
2.	The industry shall comply with discharge standards stipulated for the outlet of Ash Ponds. The industry shall provide required system for recycling of ash pond effluents.	<p><b>Not complied</b></p> <p>During the inspection on 19.05.2014, Outlet of Northern ash pond - II samples were collected and as per the analysis results, the TSS value of the Ash pond outlet discharged into Karakavagu was recorded as <b>650mg/lt as against 100mg/lt</b> which is exceeding the Board's stipulated surface water standard.</p> <p>The industry has not provided required system for recycling of ash pond effluents and discharging the decanted water into Karakavagu.</p>

**Under Air Act:**

Sl. No.	Directions issued on 15.12.2012	Compliance Status																																
1.	The industry shall, within 15 days, submit time bound action plan to take up necessary repairs / modification of ESPs so as comply with consent standards.	<p><b>Not complied.</b></p> <p>The industry has not submitted time bound action plan to take up necessary repairs / modification of ESPs so as comply with consent standards and causing air pollution to the nearby surroundings.</p> <p>During the inspections, thick flue gas emissions were observed for all the stacks.</p> <p>As per the continuous stack monitoring, the recorded values are exceeding the Board's stipulated standards. This office continuously pursuing with the industry to take necessary measures to meet the Board's stipulated standards. But, the industry has not taken up necessary measures so as to meet the Board's stipulated standards.</p> <p>During the inspections on 24.04.2014 &amp; 14.10.2014, stack monitoring were conducted for all the stacks. As per the analysis results, all the stack monitoring SPM values are exceeding the Board stipulated standards.</p>																																
3.	The industry shall immediately carry out proper calibration of online monitors.	<p><b>Not complied</b></p> <p>The industry has not carryout calibration of online monitors.</p> <p>During the inspection on 07.10.2013, stack monitoring and online stack monitoring values were also recorded. The details are as follows.</p> <table border="1"> <thead> <tr> <th>Stack monitoring conducted at</th> <th>Online SPM value recorded (mg/Nm<sup>3</sup>) is in the range</th> <th>SPM Value as per Board's monitoring (mg/Nm<sup>3</sup>) on 07-10-2013</th> <th>Standards stipulated (mg/Nm<sup>3</sup>)</th> </tr> </thead> <tbody> <tr> <td>Unit-I</td> <td>10.15 to 12.06</td> <td>279.8</td> <td>115.0</td> </tr> <tr> <td>Unit -II</td> <td>112.65 to 128.08</td> <td>262.4</td> <td>115.0</td> </tr> <tr> <td>Unit- III</td> <td>11.11 to 20.04</td> <td>561.5</td> <td>115.0</td> </tr> <tr> <td>Unit- IV</td> <td>35.59 to 39.76</td> <td>458.5</td> <td>115.0</td> </tr> <tr> <td>Unit- V</td> <td>60.08 to 105.07</td> <td>573.0</td> <td>50.0</td> </tr> <tr> <td>Unit- VI</td> <td>53.42 to 75.66</td> <td>197.3</td> <td>115.0</td> </tr> <tr> <td>Unit- VII</td> <td>Boiler is not in operation</td> <td>--</td> <td>115.0</td> </tr> </tbody> </table>	Stack monitoring conducted at	Online SPM value recorded (mg/Nm <sup>3</sup> ) is in the range	SPM Value as per Board's monitoring (mg/Nm <sup>3</sup> ) on 07-10-2013	Standards stipulated (mg/Nm <sup>3</sup> )	Unit-I	10.15 to 12.06	279.8	115.0	Unit -II	112.65 to 128.08	262.4	115.0	Unit- III	11.11 to 20.04	561.5	115.0	Unit- IV	35.59 to 39.76	458.5	115.0	Unit- V	60.08 to 105.07	573.0	50.0	Unit- VI	53.42 to 75.66	197.3	115.0	Unit- VII	Boiler is not in operation	--	115.0
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		Unit VIII	76.00 to 123.10	355.8	115.0
		<p>The values recorded by online monitors are much less than the values actually monitored.</p> <p>This indicates that the online stack monitors are not showing realistic values and are not calibrated correctly.</p>			
4.	The industry shall, within 15 days, submit time bound action plan for installation of CAAQM station and ensure data connectivity of CAAQM station to the website of the Board within 2 months.	<p><b>Not Complied</b></p> <p>The industry has not installed CAAQM station for KTPS (O&amp;M) Station. However, A.P. Genco has installed 1 No. of Ambient Air Quality Monitoring station common for KTPS (Stage I to IV) and KTPS V &amp; VI stages in an open area behind the Old Project Hostel in the residential area of A-Colony and connected to the APPCB website.</p>			
5.	The industry shall immediately take necessary steps to comply with the Fly Ash Utilization Rules.	<p><b>Not complied</b></p> <p>The industry has not complied with Fly ash notification. The industry utilised 10.91% of Fly ash as against 100% and discharged 89.09% Fly ash into Ash ponds for the period from 01-04-2013 to 31-03-2014.</p>			
6.	The industry shall, within 15 days, submit time bound action plan to provide proper dust extraction / suppression system for all the coal crushers and coal transfer points and shall ensure to complete this work within 6 months.	<p><b>Not complied</b></p> <p>The industry has not provided dust extraction / suppression system for all the coal crushers and coal transfer points till date.</p> <p>The industry has not submitted any action plan for installation of dust extraction for all the coal crushers.</p>			
7.	The industry shall provide water sprinklers at coal storage yard for controlling fugitive emissions.	<p><b>Not complied</b></p> <p>The industry has provided Fire fighting system at Coal yard and not provided water sprinklers at coal storage yard for controlling fugitive emissions.</p>			

8. WHEREAS, vide reference 5<sup>th</sup> cited, the Board has again issued show cause notice to your industry on 08.07.2014 for non compliance of the Board conditions and standards.
9. WHEREAS, vide reference 6<sup>th</sup> cited, you were given an opportunity for hearing before the Board's Task Force Committee on 30.10.2014. The representatives of the industry have attended the hearing and informed the following :
  - The high stack emissions from coal fired boilers was for a very short period during power failures and necessary measures are being taken to control the boiler emissions.
  - They have called for the tenders to raise the height of the bunds of the fly ash storage ponds to increase the storage capacity and works will be taken up very soon.
  - With regard to discharge of effluents into Kinnarasani River, the industry representatives informed that the same would be due to breakage of pipelines and the same has been rectified. Further informed that they will take all the precautionary measures for compliance of the Board directions:

Based on the review, the Committee opined that the industry shall immediately arrest the fly ash discharges into Kinnarasani river and ensure proper measures to control the air emissions. The committee also recommended to issue certain directions to the industry.

10. After careful consideration of the material facts of the case, the Board hereby issues following directions to your industry :
  - a. The industry shall submit an action plan within a week towards the compliance of the Board directions as mentioned in the agenda.
  - b. The industry shall immediately arrest the flyash discharges into Kinnarasani river.
  - c. The Board shall forfeit the BG of Rs. 5.0 Lakhs submitted earlier by the industry for non-compliance of the Board directions.
  - d. The industry shall also submit a fresh BG of Rs. 25 lakhs towards the compliance of the Board directions.
11. These directions are issued under Sec.33 (A) of Water (Prevention and Control of Pollution) Amendment Act, 1988 and under Sec. 31 (A) of Air (Prevention and Control of Pollution) Amendment Act, 1987.
12. The above mentioned directives shall be implemented by the industry, failing which legal action will be initiated against your industry under Sec.33 (A) of Water (Prevention and Control of Pollution) Amendment Act, 1988 and under Sec. 31 (A) of Air (Prevention and Control of Pollution) Amendment Act, 1987 directing closure of the industry in the interest of Public Health and Environment, without further notice/hearing.

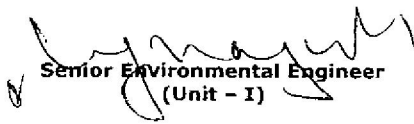
Sd/-  
MEMBER SECRETARY

To  
M/s K.T.P.S, (O&M),  
Paloncha (V&M),  
Khammam District-507115.

Copy to:

1. The JCEE., Z.O., Hyderabad for information and necessary action.
2. The Environmental Engineer, Regional Office, Kothagudem with a direction to forfeit the BG and monitor the industry for compliance. He shall pursue the industry to submit the fresh BG.
- 3/ ✓ Concerned file.

// T.C.F.B.O//

  
Senior Environmental Engineer  
(Unit - I)







# TELANGANA STATE POLLUTION CONTROL BOARD

Paryavaran Bhavan, A-III, Industrial Estate, Sanathnagar,  
Hyderabad-500 018  
Phones : 040-23887500 Fax: 040 - 23887519

**BY REGD. POST WITH ACK. DUE**

**Order No. 1023/TSPCB/U-I/TF/2014-301**

**Dt. 03.12.2014**

**DESPATCHED**  
ON: 6/12/14

Sub : M/s. Kothagudem Thermal Power Station V<sup>th</sup> stage, Paloncha, Khammam District - Water (Prevention and Control of Pollution) Amendment Act, 1988 - Air (Prevention and control of Pollution) Amendment Act, 1987 - **DIRECTIONS** - Issued - Reg.

- Ref :
1. Order No. 1023/PCB/TF-VJA/2011-166 dated 21.05.2012.
  2. Order No. APPCB/VJA/KTM/87/HO/2012-1903 dated 09.08.2012.
  3. Inspection of your industry by the Board officials on 23.06.2014, 24.06.2014 & 25.06.2014.
  4. Hearing held on 30.10.2014 at Board office, Hyderabad.

\*\*\*

1. WHEREAS, you are operating the industry located at Paloncha (V&M), Khammam District and generating Electricity - 500 MW.
2. WHEREAS, vide reference 1<sup>st</sup> cited, the Board has issued directions to comply with the discharge standards and arrest the leakages from the ash ponds and also to take necessary measures to control the air pollution
3. WHEREAS, vide reference 2<sup>nd</sup> cited, the Board has issued CFO & HW authorization to your industry valid upto 30.09.2013. Presently, the unit is operating without valid consents of the Board.
4. WHEREAS, Sri D Ramesh, Pandurangapuram (V), Paloncha (M), Khammam District has filed a complaint No. 1144/2014/B1 dated 18.03.2014 before the Institution of Lokayukta, Hyderabad against the industry for disposal of ash into the River Kinnerasani and not to establish new power station under stage-VII.
5. WHEREAS, Sri Balineni Satyanarayana, R/o Somulagudem (V), Paloncha (M), Khammam District has filed PIL No. 224/2014 on 26.08.2014 before the Hon'ble High Court against the industry requesting to take action for not complying with the directions issued by the Board.
6. The Board officials inspected your industry on 23<sup>rd</sup>, 24<sup>th</sup> & 25.06.2014 and observed the following non compliance of the directions issued by the Board vide order dt. 21.05.2012 :

Sf. No.	Directions issued	Compliance Status
01.	The industry shall take up necessary repairs / modifications of the ESPs so as to comply with consent standards.	<p><b>Not complied</b></p> <p>The industry has not taken up necessary repairs / modifications of the ESPs so as to comply with consent standards.</p> <p>During the inspections, thick flue gases were observed at both the stack attached to 810 TPH Coal fired Boilers.</p> <p>During the inspections on 25.09.2013 &amp; 25.04.2014, stack monitoring was conducted for the stacks. The SPM values as per the analysis reports are as follows:</p>

Stack monitoring conducted at	SPM value recorded in mg/Nm <sup>3</sup>		Standards stipulated in mg/Nm <sup>3</sup>
	Date	25.04.14	
Attached to 810TPH Coal fired Boiler (Power Plant unit - IX)	251.8	234.9	115
Attached to 810TPH Coal fired Boiler (Power Plant unit - X)	233.8	266.2	115

As per the analysis results, stack monitoring SPM values are exceeding the Board stipulated standards.

02.	The industry shall carry out proper calibration of online monitors.	<p align="center"><b>Not complied</b></p> <p>The industry has not carried out calibration of online monitors.</p> <p>During the inspection on 25.09.2013, stack monitoring and online stack monitoring values were also recorded. The details are as follows.</p> <table border="1"> <thead> <tr> <th>Stack monitoring conducted</th> <th>Online SPM value recorded (mg/Nm<sup>3</sup>) is in the range</th> <th>SPM Value as per Board's monitoring (mg/Nm<sup>3</sup>) on 25-09-2013</th> <th>Standards stipulated (mg/Nm<sup>3</sup>)</th> </tr> </thead> <tbody> <tr> <td>Unit-IX</td> <td>92.32 to 112.02</td> <td>312.2</td> <td>115.0</td> </tr> <tr> <td>Unit -X</td> <td>89.70 to 96.0</td> <td>241.7</td> <td>115.0</td> </tr> </tbody> </table> <p>The values recorded by online monitors are much less than the values actually monitored.</p> <p>This indicates that the online stack monitors are not showing realistic values and are not calibrated correctly.</p>	Stack monitoring conducted	Online SPM value recorded (mg/Nm <sup>3</sup> ) is in the range	SPM Value as per Board's monitoring (mg/Nm <sup>3</sup> ) on 25-09-2013	Standards stipulated (mg/Nm <sup>3</sup> )	Unit-IX	92.32 to 112.02	312.2	115.0	Unit -X	89.70 to 96.0	241.7	115.0
Stack monitoring conducted	Online SPM value recorded (mg/Nm <sup>3</sup> ) is in the range	SPM Value as per Board's monitoring (mg/Nm <sup>3</sup> ) on 25-09-2013	Standards stipulated (mg/Nm <sup>3</sup> )											
Unit-IX	92.32 to 112.02	312.2	115.0											
Unit -X	89.70 to 96.0	241.7	115.0											
03.	The industry shall take immediate necessary steps to comply with the Fly Ash Utilization Rules.	<p align="center"><b>Not complied</b></p> <p>The industry utilised 20.72% of Fly ash as against 100% and discharged 79.28% Fly ash into Ash ponds for the period from 01.04.2013 to 31.03.2014.</p>												
04.	The industry shall provide dust extraction / suppression system for the coal transfer points within 6 months.	<p align="center"><b>Not complied</b></p> <p>The industry has not provided dust extraction / suppression system for all the coal crushers and coal transfer points till date.</p>												

05.	As committed, the industry shall construct sedimentation tanks along with ETP before 31.07.2012.	<p style="text-align: center;"><b>Not Complied</b></p> <p>The industry has not constructed sedimentation tanks and also not constructed ETP and directly discharging the station drain effluents into Karakavagu / Kinnerasani River and causing surface water pollution.</p> <p>During the inspection on 21.05.2014 samples were collected at Outlet of industry. As per the analysis results, the TSS value of the effluent discharged into Karakavagu was recorded as 5,200mg/lit as against 100mg/lit which is exceeding the Board's stipulated surface water standard.</p>
06.	There shall not be any leakages in the ash slurry pipelines to prevent discharge of ash slurry into Karakavagu / Kinnerasani River.	<p style="text-align: center;"><b>Not complied</b></p> <p>During the inspections, no leakages were observed in the ash slurry pipelines. However, accumulation of ash is observed in Karakavagu / Kinnerasani River.</p> <p>Fly ash deposition was also observed in the River Kinnerasani at Nagaram bridge which is existing at about 7kms from the industry.</p>
07.	The industry shall comply with discharge standards stipulated for the outlet of Ash Ponds.	<p style="text-align: center;"><b>Not Complied</b></p> <p>During the inspection on 19.05.2014 Outlet of Additional Ash pond samples were collected and as per the analysis results, the TSS value of the Ash pond outlet discharged into Karakavagu was recorded as 22,400mg/lit as against 100mg/lit which is exceeding the Board's stipulated surface water standard.</p> <p>Presently, the industry stopped pumping of ash slurry in to Additional Ash pond as the pond is filled with ash and no more provision for discharge of ash slurry into Ash pond.</p> <p>Presently, the industry discharging ash slurry in to old ash pond namely AB pond by raising the bund height by 3mts without taking the Board permission. During the inspection, no outlet from AB pond was observed.</p>
08.	The industry shall provide water sprinklers at coal storage yard for controlling fugitive emissions.	<p style="text-align: center;"><b>Not complied</b></p> <p>The industry has provided water guns in the coal yard which are used for controlling coal fires and not provided water sprinklers at coal storage yard for controlling fugitive emissions.</p>

7. WHEREAS, vide reference 4<sup>th</sup> cited, you were given an opportunity for hearing before the Board's Task Force Committee on 30.10.2014. Your industry representative attended the hearing and informed the following :

- The high stack emissions from coal fired boilers was for a very short period during power failures and necessary measures are being taken to control the boiler emissions.

- They have called for the tenders to raise the height of the bunds of the fly ash storage ponds to increase the storage capacity and works will be taken up very soon.
- With regard to discharge of effluents into Kinnarasani River, the industry representatives informed that the same would be due to breakage of pipelines and the same has been rectified. Further informed that they will take all the precautionary measures for compliance of the Board directions.

Based on the review, the Committee opined that the industry shall immediately arrest the fly ash discharges into Kinnarasani river and ensure proper measures to control the air emissions. The committee also recommended to issue certain directions to the industry.

8. After careful consideration of the material facts of the case, the Board hereby issue following directions to your industry to comply with:
  - a. The industry shall submit an action plan within a week towards the compliance of the Board directions as mentioned in the agenda.
  - b. The industry shall immediately arrest the flyash discharges into Kinnarasani river.
  - c. The industry shall also submit a fresh BG of Rs. 25 lakhs towards the compliance of the Board directions.
9. These directions are issued under Sec.33 (A) of Water (Prevention and Control of Pollution) Amendment Act, 1988 and under Sec. 31 (A) of Air (Prevention and Control of Pollution) Amendment Act, 1987.
10. The above mentioned directives shall be implemented by the industry, failing which legal action will be initiated against your industry under Sec.33 (A) of Water (Prevention and Control of Pollution) Amendment Act, 1988 and under Sec. 31 (A) of Air (Prevention and Control of Pollution) Amendment Act, 1987 directing closure of the industry in the interest of Public Health and Environment, without further notice/hearing.

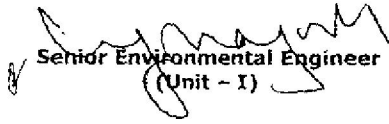
Sd/-  
MEMBER SECRETARY

To  
The Chief Engineer,  
M/s. Kothagudem Thermal Power Station  
(V<sup>th</sup> stage), Paloncha,  
Khammam District-507115.

Copy to:

1. The JCEE., Z.O., Hyderabad for information and necessary action.
  2. The Environmental Engineer, Regional Office, Kothagudem with a direction to monitor the industry for compliance. He shall pursue the industry to submit the fresh BG
- ✓ Concerned file.

// T.C.F.B.O//

  
Senior Environmental Engineer  
(Unit - I)

*de*

*arati*

**D. PRABHAKAR RAO**  
Chairman & Managing Director



**TELANGANA STATE  
POWER GENERATION CORPORATION LTD.**  
(Govt. of Telangana State Undertaking)  
Vidyut Soudha, Khairatabad, Hyderabad-500 082.

D.O.Lr.No. CMD/CE/C/Thermal/SE/C/TCD-I/KTPS/D.No. 120 /15, Dt.07.03.2015

Dear Sri V.Anil Kumar Garu,

Sub: TSGENCO - Kothagudem Thermal Power Station Stgs- I to IV  
& KTPS Stage-V- Non-compliance of Board Directions - Status  
- Reg.

Ref: D.O.Lr.No:1003-KGM/TSPCB/U-1/TF-BO/2014-311,  
Dt. 03.12.2014

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I invite your kind attention to the D.O letter cited, wherein it was informed that KTPS Stages-I to IV & KTPS Stage-V are not complying the Board directions. The issue was reviewed with Station Heads and strict instructions are issued to take steps to comply with board directions. They were also instructed to adhere to the action plan finalized in the meeting. The same is enclosed for your reference.

Further, concerned station heads are instructed for submission of Bank Guarantee of Rs.25 lakhs each for KTPS Stages-I to IV & KTPS Stage-V towards compliance of board directions before Dt: 28.02.2015. The Station Heads will provide the required BGs shortly.

It is also requested to issue consent for operation of KTPS (I to IV Stages)- 720MW power plant which is pending with TSPCB for the period from Dt: 01.05.2013 to Dt: 30.04.2016 and also for KTPS-V (2x250 MW) from 01.10.2013 to 30.09.2016.

*Regards,*

Yours sincerely,

*D. Prabhakar Rao*

**(D.PRABHAKAR RAO)**

✓ To,  
**Sri V.Anil Kumar, I.A.S.,**  
**Member Secretary,**  
**Telangana State Pollution Control Board ,**  
**Paryavaran Bhavan, A-3, Industrial Estate**  
**Sanathnagar, Hyderabad- 500 018.**

## ACTION PLAN

### I) KTPS Stages : I to IV

SL.No.	ISSUES	ACTION PLAN
1.	The Board issued CFO and HW authorization to KTPS I to IV Stages (720 MW) valid upto 30.04.2013. The unit is operating without valid consents of the Board.	The application for issuance of Consent for Operation (CFO) for 720 MW under KTPS I to IV Stages, Paloncha was already submitted on 14.03.2013 for three years for the period from 01.05.2013 to 30.04.2016 . The same is pending with TSPCB.
2.	The industry shall within 15 days submit time bound action plan to the necessary repairs/modifications of ESPs so as to comply with consent standards.	Units 1 to 8 were installed 40 years back. Sampling points were provided at the outlet ducts of ID fans which is not reflecting correct values during monitoring. Now it is proposed to shift the existing sampling position at the 1/3 <sup>rd</sup> height of the chimney for all units to get correct results. All the units except 3,7 & 8 are meeting the standards, these units will be retrofitted within 6 months and report will be submitted after completing the repair works.
3.	Repair works of on-line stack monitors, connecting data to TSPCB website and during inspections on 24.04.2014 & 14.10.2014 stack emissions values were high against the standards-115 mg/Nm <sup>3</sup> for all the units.	All the on-line stack monitors are working and data is connected to TSPCB website. For units 1 to 4 these instruments are frequently failing due to high positive draft at the instrument mounting area in between ID fan and chimney. Now it is proposed to shift the existing sampling position at the 1/3 <sup>rd</sup> height of the chimney for all units to get correct results.
4.	Proper calibration of online dust monitors	Calibration is done to all on-line stack monitors. Orders were placed for annual maintenance of on-line monitors for units -2, 3, 7 & 8. Quotations are received for units 5 & 6. Awarding of work for maintenance will be completed within 3 months.
5.	Necessary steps to improve ash utilization inorder to comply with directions of MoEF vide notification 2009.	As there are no cement companies within 100 Km range of KTPS/O&M and inspite of issuing fly ash at free of cost to brick manufacturing units still fly ash utilization is merely 10.91% for 2013-14. Pilot project taken up by TSGENCO in co-ordination with M/s SCCL for utilization of ash in stowing of mines at Bhupalpally is under examination by Director General of Mines/Safety. Soon after receipt of necessary approvals from DGMS, mine stowing will be

<p>6. Providing dust extraction/suppression system for all the coal crushers and coal transfer points.</p>	<p>taken up with M/s SCCL which may boost up fly utilization. Water spray systems are provided on coal conveyers 6 &amp; 9 of A-Station &amp; 2A/B, 6A/B, 20C/D &amp; 22A/b of B Station and at wagon tippler hopper area for dust suppression. In ICHP, all coal conveyers are provided with dust suppression system before and after crushers near all transfer points. Action is being taken to repair the dust extraction system at crusher house within one month. Proposals are under process for other locations and will be installed within 3 to 5 months.</p>
<p>7. Providing water sprinklers in all coal handling areas and around ash ponds to control fugitive emissions.</p>	<p>Presently manual water sprinkling is being carried out. Works for providing water sprinklers at coal storage area of A &amp; B stations will be completed within 9 months. Also water tankers are being engaged for spraying water in ash ponds to control fugitive emissions from ash pond and positive results were observed during last summer season and the same will be continued to control the fugitive emissions from ash ponds.</p>
<p>8. During inspection of TSPCB officials on 19.05.2014 the TSS value of ash pond outlet discharged to Karkavagu recorded as 650 mg/L as against 100 mg/L and on 21.05.2014 the TSS value of the effluent discharged to Karkavagu recorded as 8320 mg/L as against 100 mg/L.</p>	<p>It is proposed to construct Sedimentation tank at the down stream of Karkavagu to reduce the concentration of TSS in the Karkavagu due to mixing of decanted water from ash pond. Re-circulation system is also proposed to tap the decanted ash water from the outlet of the ash pond for reusing the same in ashing and green development in the plant. All the works will be completed within one year.</p>
<p>9. Control of fugitive emissions generated during summer from ash ponds</p>	<p>Water tankers are being engaged for spraying water in ash pond to control fugitive emissions from ash pond and positive results were observed during last summer season and the same will be continued to control the fugitive emissions from ash pond. Also 6500 saplings were planted around Northern ash pond -I &amp; II during 2014-15 to reduce fugitive emissions in future period. Sowing of seeds in Northern Ash Pond-I having an area of 180 acres was carried out for providing grass cover over the ash to reduce the fugitive emissions.</p>

10. Construction of full fledged STP to treat the sewage generated in colony.	Provision is made in the project cost of 1 x 800 MW KTPS Stage-VII towards construction of STP in the residential colony of KTPS complex duly connecting existing quarters and proposed quarters for KTPS Stage-VII. The work will be taken up immediately after commencement of project construction works of KTPS Stage-VII. It will be completed by end of March 2016.
11. Installation of water meters for assessing quantity of water.	Purchase orders was placed for procurement and Installation of water meters for B & C Stations and will be completed within 3 months. Necessary indents for procurement of water meters received at Head Quarters and is under process for A Station. Installation will be completed by 30 <sup>th</sup> June 2015.
12. Providing ground water quality monitoring stations around ash pond.	8 Nos of bore wells are provided at different locations of ash pond and in near by villages. Water samples being collected periodically and the test results are recorded. The same will be furnished to PCB every month from now on wards.
13. Procurement of balance CAAQMS at KTPS & KTHP (2 Nos. each for KTPS & KTHP Stations)	Purchase order is placed on Environment S.A India Pvt Ltd, Navi Mumbai for procurement of CAAQMS and equipment is expected at site by the end of March 2016. As soon as the equipment is received at site, they will be installed and connected to PCB web site.
14. Constructing of rain water harvesting structures in plant, colony & ash ponds.	13 No rain harvesting structures are available at plant and 6Nos in colony and they are functioning well.
15. Clearing sedimentation tank at regular intervals.	Contract is awarded to K. Hainarayana, contractor for regular desilting of ash and silt collected in the chambers of sedimentation tank and the same is being disposed of into the ash ponds. The contract is valid upto 31 <sup>st</sup> March 2015. Fresh tenders will be called in the month of March for fixing new agency for next financial year 2015-16.



16.	Greenbelt development	Sufficient greenbelt is already developed in the per the norms. However in surrounding villages plantation is planned with help of Forest Dep providing funds from TSGENCO.
17.	Leakage of ash pipe lines resulting in deposition of ash at Karkavagu & Kinnerssani river.	Leakages from ash slurry disposal lines of KTPS A, B & Stations are controlled. Continuous watch & ward provided on the ash disposal lines. It is proposed to construct sedimentation tank at the down stream of Karkavagu to treat the water flowing in vagu to reduce the TSS in case of any mixing of ash water due to leakage of ash pipe lines.
18.	Bank Guarantee of Rs.25 lakhs has to be submitted to TSPCB towards compliance of TSPCB directions as the existing BG of Rs. 5.00 lakh is encashed by TSPCB for non-compliance of PCB directions.	Submission of Bank Guarantee is under process and will be submitted by 28 <sup>th</sup> February-2015..
19.	Discrepancy between Board stack monitoring data and website connection data of online stack monitoring instruments. The values recorded by online monitoring are much less than from the Board values mg/Nm <sup>3</sup> .	Periodical calibration is being done for all online stack monitors to avoid discrepancy.

II) KTPS V& VI:

Sl.No.	AGENDA PIONTS	ACTION PLAN
1.	Repairs & modifications of ESPs of 9 & 10 units and to reduce SPM concentrations. During inspection on 25.04.2014 & 15.10.2014 the values recorded as 251.8 & 234.9mg/Nm3 for unit-9 and 233.8 & 266.2 mg/Nm3 as against 115 mg/Nm3.	Earlier some of the ESP fields are not in service for want of rectifications resulting high stack emissions. Damaged ESP fields were rectified for units IX & X in Nov-2014 & Dec-2014. The stack emissions are within limits. Bag filters are regularly replaced.
2.	Repair works & proper calibration of on-line stack monitors.	Rectification and Calibration for on-line stack monitors are under progress which will be completed by Feb-2015.
3.	Necessary steps to improve ash utilization in order to comply with directions of MoEF vide notification 2009.	As cement industries are far away from the vicinity of the KTPS complex, the utilization of fly ash is low. About 100 clay brick plants are operating around the plant which is resulting in less usage of fly ash bricks. Pilot project taken up by TSGENCO in co-ordination with M/s SCCL for utilization of ash in stowing of mines at Bhupalpally is under examination by Director General of Mines/Safety. Soon after receipt of necessary approvals from DGMS, mine stowing will be taken up with M/s SCCL which may boost up fly ash utilization.
4.	Providing dust extraction/suppression system for all the coal crushers and coal transfer points.	Dust extraction/suppression systems are provided at crusher house and bunker floor. At transfer points only dust suppression system is provided as there is no feasibility for provision of dust extraction system. Providing sprinklers in coal storage shed is under process and it will be completed by the end of Sep 2015. At present water is being sprayed manually to reduce fugitive emissions.

<p>6. Construction of sedimentation tank. During inspection of TSPCB officials on 19.05.2014 the TSS value of ash pond outlet discharged to Karkavagu recorded as 22,400 mg/L as against 100 mg/L 21.05.2014 the TSS value of effluent discharged to Karkavagu recorded as 5200 mg/L as against 100 mg/L.</p>	<p>Wetting is done by manually sprinkling continuously at a handling areas and water ponding is made in additional ash pond to control fugitive emissions. Spreading of grass seeds to develop vegetation cover over ash surface additional ash pond is taken up.</p> <p>Consultancy is fixed by awarding the work to M/s Desein Pvt Ltd, New Delhi for preparing scheme, detailed engineering submission of drawings, preparation of specification &amp; cost estimates for treatment plant to be provided in KTPS Stage-V at an value of Rs. 30 lakhs. Drawings are expected by first week of February 2015. Tenders will be called by end of March 2015 for taking of construction of effluent treatment plant under KTPS Stage-V. Work will be completed by Oct-2015. Meanwhile RCC sump was provided across main station drain for collection of floor wash water in ESPs area, Boiler area and ash pump house area and repump it into ash sump at ash pump house from there it will be disposed into ash pond. Pumps will be kept in service by the end of February-2015.</p>
<p>7. Not complied with hazardous waste management and transboundary movement</p>	<p>Sale orders for hazardous waste disposal are placed on the agencies authorized by PCB. No transboundary movement.</p>
<p>8. Construction of coal washeries.</p>	<p>Being examined.</p>
<p>9. Installation of water meters for assessing quantity of water.</p>	<p>Water meters are already provided and water cess are being submitted to PCB every month based on water meter readings only.</p>
<p>10. Non functioning of ETP at KTPS Stage-VI.</p>	<p>It is in working condition at KTPS Stage-VI.</p>
<p>11. Greenbelt development.</p>	<p>i) KTPS Stage-V : 31.08 Ha ii) KTPS Stage-VI: 17.0 Ha</p> <p>In vacant areas about 25 acres greenbelt is taken up in phased manner and will be completed in next rainy season.</p>
<p>12. Accumulation of ash in Karkavagu &amp; Kinnersani river</p>	<p>All leakages arrested. However, it is proposed to construct sedimentation tank at down stream of Karkavagu to treat the high TSS values in case of accidental mixing of ash water in karakavagu due to leakages of ash pipe lines or other means. Construction of sedimentation tank will be completed within one year.</p>

13. Bank Guarantee of Rs. 25 lakhs has to be submitted to TSPCB towards compliance of TSPCB directions.	Bank Guarantee will be submitted by 28 <sup>th</sup> February-2015.
14. Discrepancy between Board stack monitoring data and website connection data of online stack monitoring instruments. The values recorded by online monitoring are much less than from the Board values mg/Nm <sup>3</sup> .	Rectification and Calibration for on-line stack monitoring under progress which will be completed by Feb-2015. they will be calibrated regularly to avoid discrepancy in stack monitoring data.

CHIEF-ENGINEER/CIVIL/THERM



Continuously  
Additional  
ing of surface  
M/s Desai  
detailed  
to be  
lakhs  
of  
2015.



**TELANGANA STATE POLLUTION CONTROL BOARD**  
Paryavaran Bhavan, A-III, Industrial Estate, Sanathnagar, Hyderabad-500 018

Phones : 23887500  
Fax No: 23815631  
Grams: "Kalushya Nivarana"  
e-mail: "appcb.gov@gmail.com"  
Website: <http://appcb.ap.nic.in>

**Lr.No.TSPCB/HYD/KTM/81/CFO/HO/2014**

**Date:21-05-2015**

To

**The Member Secretary (Thermal Power),  
MoEF & CC, Indira Paryavaran Bhavan,  
Jorbagh, New Delhi – 110003.**

Sir,

**Sub:** TSGENCO – Kothagudem Thermal Power Station Stage-VII (1 x 800 MW) expansion unit at KTPS complex, Paloncha, Khammam Dist – Environment Clearance pending at MoEF&CC, GOI, New Delhi – Report on the compliance of the Board directions to KTPS stages I to V - Reg.

**Ref:** D.O.Lr.No.CMD/CE/C/Thermal/SE/C/TCD-I/KTPS/D.No.65/15, dt:21.05.2015.

\* \* \* \* \*

Kind attention is invited to the subject and the reference cited above. The Chairman and Managing Director, Telangana State Power Generation Corporation Limited has addressed a letter informing various actions taken to comply with the directions issued by the Board and furnished the timelines for complying with the other directions. In the letter it was also requested to send the compliance status to the MoEF & CC, Gol, New Delhi as TSGENCO application for grant of environmental clearance for the proposed expansion unit of 1x800 MW is pending before MoEF & CC. The TSGENCO has submitted commitment for the following:

1. Construction of STP at the residential colony of KTPS complex by end of April, 2016
2. Installation of two (2) more ambient air quality monitoring stations by end of June, 2015.
3. Construction of sedimentation tank with recirculation system for 2x250 MW KTPS –V stage by end of April, 2016.

In this regard, it is to inform that the Board has been regularly reviewing the status of Pollution Control by the existing units of KTPS at Paloncha, (V&M), Khammam District. The Board has reviewed KTPS units and issued directions on 03.12.2014 to ensure compliance of pollution control norms. Subsequently, KTPS took certain specific measures to control the pollution. The KTPS vide Ir.dt:07.03.2015 has submitted time bound action plan to comply the various directions issued by the Board, by April, 2016. The TSPCB satisfied with steps taken and action plan submitted by TSGENCO, has issued Consent for Operation on 20.03.2015 (for stage-V) and 27.03.2015 (for stage I to IV) for a period upto 30.09.2016.

The Board has been regularly monitoring the units to ensure that the industry complies with all the pollution control norms. The timelines for taking up the remaining works as submitted by the TSGENCO vide Ir. dt: 21.05.2015 has been considered by the Board and the TSGENCO has been directed to take necessary steps to ensure the timely completion of the above works.

In view of the above, their application for environmental clearance for the proposed expansion unit of 1X 800 MW, KTPS VII stage at Palwancha , Khammam District may be considered for approval.

Yours faithfully,

  
**MEMBER SECRETARY**