

THE ANDHRA SUGARS LIMITED

Chemicals & Fertilisers Division : Saggonda - 534 318, Andhra Pradesh, India.



Ref.No: CFS/4B/CSP EXPANSION/2019

Dt:15-04-2019

MEMBER SECRETARY (Industry-2)
Ministry of Environment, Forests & Climate Change
Agni Block, Indira Paryavaran Bhawan,
Jor Bhagh Road, Aliganj,
NEW DELHI-110 003.

Dear Sir,

Sub: Environmental Clearance documents for the proposed expansion of Chlor-Alkali Plant and inclusion of synthetic organic chemicals manufacturing unit by M/s. The Andhra Sugars Limited, Chemicals and Fertilizers Division - EDS - Reg.

- Ref: 1. The Andhra Sugars Ltd (Chemicals and fertilizers Division)
Proposal No.IA/ AP/IND2/97871/2017
2. EDS raised on 23.03.2019
 3. EDS raised on 13.04.2019

With reference to EDS raised dated 13.04.2019, point wise response are as follows:

1. Proposal should reflect only those products or activities which are listed under item 4(d) & 5(f) of the schedule to the EIA Notification, 2006, not the by-products or others.

Details of capacity of products filled in S. No. 9(b) of Form 2.

2. Submit compliance for the EC dated 08.02.2006.

Certified report on compliance of EC dated 08.02.2006 uploaded at S.No. 9(a (v))

3. Provide relevant details in Column 6 of Form 2

We understand that Column 6 of Form 2 referred is S. No. 6. In response to the EDS raised on 23.03.2019 we uploaded earlier EC received dated 08.02.2006 and TOR received for proposed expansion dated 18.05.2017 documents at S. No. 39 (g) of Form - 2 as 'uploaded additional file'

Contd. Page - 2

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We would like to submit that details are uploaded/attached document in column 6 at S. No. 6 (Annexure -1).

However, we have noticed that details against S. No. 6 of Form-2 are presented as Nil. The same technical issue was informed to technical team of "PARIVESH" over mail dated 15.04.2019 (copy of mail enclosed)

We have tried to edit the information to incorporate appropriate details. It appears that edit option is disabled.

Hence, we would like to submit the details pertaining to the same as follows:

S. No. 6 of Form - 2	Details of Terms of Reference (ToR)/EC	As it appears against S. No. 6, Form - 2	Correction for S. No. 6, Form - 2	Remarks
(a)	MoEF&CC/SEIAA File Number	Nil	Terms of Reference : J-11011/83/ 2017-IA II (I) dt. 31.05.2017	Copies of TOR granted and previous EC Letter were uploaded at S. No. 39 (g) of Form - 2 as 'uploaded additional file'
(b)	Date of Apply of EC	Nil	27.06.2005	
(c)	Date of Issue of EC	Nil	08.02.2006	
(d)	Previous EC Letter	Nil	J-11011/245/2005-IA II (I) dated 08.02.2006	

In view of our response to EDS raised, we request you to kindly initiate for further processing of our application for grant of Environmental Clearance for proposed expansion.

Thanking you,

Yours truly,
For THE ANDHRA SUGARS LIMITED,
Chemicals & Fertilisers Division


AUTHORISED SIGNATORY

No. J-11011/245/2005 – IA II (I)
Government of India
Ministry of Environment & Forests
I. A. Division

E-mail : pb.rastogi@nic.in
Telefax : 2436 7668

Paryavaran Bhavan
CGO Complex, Lodi Road
New Delhi – 110 003
Dated 8th February, 2006

To,

✓ Shri P. Natrendranath Chowdhury
Joint Managing Director
M/s The Andhra Sugars Ltd.
Seggonda - 534 318
District Godavari
Andhra Pradesh.

Subject : Expansion of Caustic Soda Plant from 200 TPD to 400 TPD based on Membrane Cell Technology by M/s The Andhra Sugars Ltd., Saggonda, District West Godavari, Andhra Pradesh.

Sir,

This has reference to your letter no. CFK/SU/6/2006 dated 27th June, 2005 alongwith project documents including EIA/EMP, REIA, hazard Analysis and Risk Analysis report and questionnaire and subsequent clarifications/additional information furnished vide letter 6th November, 2005 and 12th December, 2005 on the above mentioned project.

The Ministry of Environment and forests has examined your application. It is noted that proposal is for the expansion of Membrane Cell based Caustic Soda plant from 200 TPD to 400 TPD to terminate the existing mercury cell operations to produce environment friendly and cleaner products. The project will be located in district West Godavari, Andhra Pradesh. The company is in possession of 320 acres of land area and expansion will be carried out in the existing plant premises. No additional land is required.

The expansion of the plant will be based on membrane cell electrolysis process. It is proposed to install on-line analyzer for hypo-stack and HCl plant stacks to control air emissions. ESP, bag filters and wet scrubbing system will be installed to control the air emissions from the various processes. Water requirement of 3,490 m³/d will be met from the river Godavari through dedicated pumping station at Gutala village. Necessary permission from the Irrigation & CAD Department shall be obtained before commissioning expansion project. Effluent generated will be treated in the ETP and ETP sludge will be dried and used for green belt development. The steam condensate shall be recycled back to the Waste Heat Recovery System (WHRS). Barium Sulphate will be removed through brine purification process in Barium Sulphate Recovery Plant. It is noted that besides existing secured landfill to dispose off 9,625 m³ brine sludge, additional brine sludge disposal pit of 10,000 m³ capacity will be developed for the proposed expansion. Out of 320 acre, green belt shall be developed in 190 acres. The public hearing panel has considered the project in its meeting held on 29th September, 2004. 'NOC' has been

accorded by the APPCB vide letter no. APPCB/VSP/RJY/449/40/2004/12 dated on 15th December, 2005. Total cost of the expansion project is Rs.100.00 Crores.

2.0. The Ministry of Environment and Forests hereby accords environmental clearance to the above project under the provisions of EIA Notification dated 27th January, 1994 as amended subsequently subject to strict compliance to the following specific and general conditions:

A. SPECIFIC CONDITIONS

- i) The gaseous emissions (SO_2 , NO_x , Cl_2 & HCl) and particulate matter from various process units shall conform to the standards prescribed by the concerned authorities from time to time. At no time, the emission levels shall go beyond the stipulated standards. Adequate height for Chlorine gas stack shall be maintained as per CPCB guidelines. In the event of failure of pollution control system(s) adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency. Proper arrangements shall be made for the on-line real time emission data to be available to CPCB website.
- ii) The project authorities shall comply with the recommendations made in the Disaster Management Plan. The Company shall install Chlorine gas detectors to detect leakage of Chlorine at liquid Chlorine storage tanks, Sodium hypo plant, HCL synthesis unit and Electrolysis area. The company shall install on-line analyzer in HCL plant and hypo stack with recording facility.
- iii) The vent gases from Sodium hydrochloride plant and HCL acid plant shall be controlled at source by effective absorption system so that Chlorine concentration in the vent gases shall not exceed 5 ppm. Waste Chlorine gas shall be used in preparation of HCL. The vent gases shall be discharged from the stacks of adequate height for effective dispersion. Additional Chlorine sensors shall be installed to monitor Cl_2 . ESP shall be installed to minimize emissions.
- iv) Ambient air quality monitoring stations shall be set up in the downwind direction as well as where maximum ground level concentration are anticipated in consultation with the APPCB and data submitted to the Ministry.
- v) Total water requirement shall not exceed 3,490 m^3/d . Necessary permission from the Irrigation & CAD Department shall be obtained before commissioning expansion project. Effluent generated will be treated in the ETP and treated effluent shall conform to the standards stipulated by the APPCB. The company shall recycle and reuse treated effluent for green belt development within the plant premises. Domestic effluent shall be treated in septic tank and soak pit.
- vi) The solid waste including Brine lime salt and ETP sludge shall be disposed off in the TSDF, Hyderabad approved by the APPCB. Any further extension or creation of new secured landfill facility at the site shall be as per the CPCB guidelines. The steam condensate shall be recycled back to the Waste Heat Recovery System (WHRS). Barium Sulphate Recovery Plant shall be installed to recover Sulphates from the Brine sludge in the Caustic Soda Plant. It is noted that besides existing

secured landfill to dispose off 9,625 m³ brine sludge, additional brine sludge disposal pit of 10,000 m³ capacity shall be developed for the proposed expansion.

- vii) All the CREP recommendations suggested for the caustic soda plant by the CPCB shall be implemented effectively and report submitted to MOEF/CPCB/APPCB. The existing mercury cell operations shall be stopped and closed to eliminate mercury pollution load and produce environment friendly and cleaner products.
- viii) The company shall seek permission from the State Irrigation Department, Govt. of A.P. to draw water from the Godawari river.
- ix) The company shall develop rain water harvesting structures to harvest the run off water from the roof top and by laying a separate storm water drainage system for recharge of ground water.
- x) Green belt shall be developed in an area of 190 acres to mitigate the effects of fugitive emissions all around the plant. The development of green belt shall be as per the Central Pollution Control Board guidelines.

B. GENERAL CONDITIONS

- i. The project authorities must strictly adhere to the stipulations made by the A. P. Pollution Control Board.
- ii. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
- iii. The project authorities shall strictly comply with the rules and regulations under Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 as amended in October 1994 and January 2000. Prior approvals from Chief Inspectorate of Factories, Chief of Controller Explosives, Fire Safety Inspectorate etc. must be obtained.
- iv. The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous wastes in accordance with the Hazardous Wastes (Management and Handling) Rules, 2003. Authorization from the State Pollution Control Board must be obtained for collections/treatment/storage/disposal of hazardous wastes.
- v. The overall noise levels in and around the plant area should be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under Environment (Protection) Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
- vi. Occupational health surveillance programme should be undertaken as regular exercise for all the employees, specifically for those engaged in handling

hazardous substances. The first aid facilities in the occupational health center should be strengthened and the medical records of each employee should be maintained separately

- vii. The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA and Disaster Management Plan. The company shall also undertake social welfare/community development measures in the surrounding villages such as health care, education and drinking water supply facilities.
 - viii. A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the environmental management and monitoring functions.
 - ix. The project authorities will provide requisite funds both recurring and non-recurring to implement the conditions stipulated by the Ministry of Environment & Forests as well as State Government alongwith the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.
 - x. The implementation of the project vis-à-vis environmental action plans will be monitored by the Ministry's Regional Office at Bangalore/APPCB/CPCB. A six monthly compliance status report shall be submitted to monitoring agencies.
 - xi. The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the APPCB/Committee and may also be seen at Website of the Ministry at <http://envfor.nic.in>. This should be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same should be forwarded to the Regional Office.
 - xii. The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work, if any.
- 3.0 The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- 4.0 The Ministry reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner will implement these conditions.
- 5.0 The above conditions will be enforced, inter alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 Hazardous Wastes (Management and Handling) Rules, 2003 and the Public Liability Insurance Act, 1991 along with their amendments and rules.


(Dr. P.B. RASTOGI)
Additional Director

Copy to :

1. The Secretary, State Department of Environment and Forests, Govt. of Andhra Pradesh, Mantralaya, Hyderabad, A.P.
2. The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi - 110032.
3. The Chairman, Andhra Pradesh State Pollution Control Board, 2nd Floor, HUDA Complex, Maitriyaram, S.R. Nagar, Hyderabad - 500 038, A. P.
4. The Chief Conservator of Forests (Central), Ministry of Environment & Forest, Regional Office (SZ), Kendriya Sadan, IVth Floor, E&F Wing, 17th Main Road, Koramangla, Bangalore - 560 034, Karnataka.
5. JS (CCI-I), Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi - 110003.
6. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi-110003.
7. Guard file.
8. Record file
9. Monitoring file.

(Dr. P.B. RASTOGI)
Additional Director



Yogendra Pal Singh
Scientist 'D'

F. No. J-11011/83/2017-IA.II (I)

Government of India
Ministry of Environment, Forest and Climate Change
(IA Division)

Indira Paryavaran Bhawan
Aliganj, Jor Bagh Road
New Delhi - 110 003

Telefax: 91-11-24695365
E-mail : yogendra78@nic.in

Dated: 31st May, 2017

To,

The Managing Director
M/s The Andhra Sugars Limited,
(Chemicals and Fertilizers Division),
Saggonda Village, Gopalapuram Mandal,
West Godavari District, Andhra Pradesh

Sub: Expansion of Chlor-Alkali Plant and inclusion of Synthetic Organic Chemicals manufacturing unit at Sy. No. 132-134 and 137, Saggonda Village, Gopalapuram Mandal, West Godavari District, Andhra Pradesh by M/s. The Andhra Sugars Limited (Chemicals and Fertilizers Division) - Terms of References - reg.

Ref.: Your online proposal no. IA/AP/IND2/62105/2017 dated 28th January, 2017.

Sir,

This has reference to your online proposal no. IA/AP/IND2/62105/2017 dated 28th January, 2017 along with project documents including Form I, draft Terms of References and Pre-feasibility Report (PFR) regarding the above mentioned project.

- It is noted that the proposal is for Terms of Reference for Expansion of Chlor-Alkali Plant and inclusion of Synthetic Organic Chemicals manufacturing unit at Sy. No. 132-134 and 137, Saggonda Village, Gopalapuram Mandal, West Godavari District, Andhra Pradesh by M/s The Andhra Sugars Limited (Chemicals and Fertilizers Division).
- As per Form 1 and PFR, the PP proposed to expand manufacturing capacity of existing facility and inclusion of synthetic organic chemicals in existing area of 320 acres with capital investment of ₹ 800 crores. Employment Potential for present proposal is 250 Nos. It is reported that, River Godavari is towards east of the site at a distance of 4 Km from the site flowing from north to south. Kovvada Canal Flows from SW to NE direction of the site at a distance of 5 km in north direction. Vinjaram Reserved forest is at a distance of 8.5 Km towards NE Direction of the site. Polavarm Reserved forest is at distance of 7.4 Km towards NW direction of the site. There are no ecologically sensitive areas like National Parks, Sanctuaries within 10 km radius of the site.
- It is reported that the total water requirement will be increased from 3360 KLD to 9252 KLD after expansion, consisting of 8428 KLD fresh water and 824 KLD of recycled water and same shall be met from River Godavari in addition to reuse of treated wastewater. The total power requirement will be met from AP TRANSCO and back up DG sets of capacity 1 x 4750 kva and and 3 x 1000 kva are provided to cater to energy requirement during load shut downs. Coal/Husk will be used as fuel for proposed 1 x 25 TPH boiler. Consumption of coal is 120 TPD. Expansion includes enhancement of process equipment, storage facility and utilities. It is informed that, the baseline study

for ambient air quality, surface, ground water quality, noise, ecology and soil quality will be carried out during March 2017 to June 2017.

5. It is reported that, the PP has obtained Environmental Clearance for Expansion of Caustic Soda Plant of capacity 400 TPD vide Letter No. J-1101/245/2005-IA.II (I) dated 08.02.2006. The unit obtained consent for operation vide Letter No. APPCB/VSP/RJY/44/CFO/HO/2016 dated 09.02.2016.

6. All Chlor-alkali industry (300TPD production capacity if a unit located outside the notified industrial area/ estate) are listed at S.N. 4(d) of Schedule of Environmental Impact Assessment (EIA) Notification under Category 'A'. All Synthetic Organic Chemicals Industry located outside the notified industrial area/estate are listed at S.N. 5 (f) of Schedule of Environmental Impact Assessment (EIA) Notification under Category 'A' and is appraised at Central Level by Expert Appraisal Committee (EAC).

7. The existing and proposed products and capacity are:

S. No.	Product Name	Capacity (TPD)		
		Existing	Proposed	Total after expansion
1.	Caustic Soda	400	400	800
2.	Caustic Potash	--	100	100
3.	Liquid Chlorine	240	4	244
4.	Hydrochloric Acid (33%)	600	400	1000
5.	Caustic Soda Flakes	140	140	280
6.	Hydrogen Gas (bottling)	2.83	1.0	3.83
7.	Liquid Hydrogen	1.0	1.0	2.0
8.	Sodium Hypochlorite	20	20	40
9.	Sulphuric Acid	300	--	300
10.	Poly Aluminum Chloride	90	--	90
11.	Sodium Chlorate	--	60	60
12.	1. Chlorinated Paraffin Wax (52%)	--	20	20
	2. Hydrochloric Acid (33%)	--	30	30
13.	1. Mono Chloro Acetic Acid	--	20	20
	2. Hydrochloric Acid (33%)	--	33	33
14.	Chloro Methanes :	--		
	1. Methyl Chloride		10	10
	2. Methylene Chloride		61	61
	3. Chloroform		56	56
	4. Carbon tetrachloride		7.6	7.6
	5. Hydrochloric Acid (33%)		65.8	65.8

List of Utilities

S. No	Utility	Existing	Proposed	After Expansion
1	Husk Fired Boilers (TPH)	1 x 15 1 x 10	--	1 x 15 1 x 10
2	Coal/Husk Fired Boiler (TPH)		1 x 25	1 x 25
3	Oil Fired Boiler (TPH)	1 x 6	--	1 x 6
4	Waste Heat Recovery Boiler (TPH)	1 x 15	--	1 x 15
5	Incinerator (Kg/hr)	--	1 x 383	1 x 383
6	DG Sets (KVA)*	1 x 4750 3 x 1000	--	1 x 4750 3 x 1000

* DG sets will be used during load shut down by APTRANSCO

8. The project proposal and Draft Terms of Reference (TOR) was considered by the Expert Appraisal Committee (Industry - 2) in its 21st meeting held during 27th - 29th March, 2017. The Committee prescribed the following **Additional TOR with public hearing along with Standard TOR** as available in the Ministry website for preparation of EIA-EMP report:

Additional TOR

- i. A plan for implementation of Zero Liquid Discharge shall be submitted.
- ii. Lay out plan for Green belt of 10 m width along the periphery of the unit shall be submitted. Total 33 % of the area of the unit shall be ensured for green cover with perennial trees. 20000 plants shall be planted in the area in a span of five years.
- iii. Draft EIA/EMP report shall be submitted to SPCB for conduct of Public hearing. The points raised during the Public hearing/Public consultation shall be properly addressed in the final EIA/EMP report.
- iv. Risk Assessment Plan shall be submitted.
- v. A well equipped environment management cell shall be formed with a regular post of Environmental Manager having post graduate qualification in person in Environmental Sciences/ Environmental Engineering.
- vi. Revised water balance shall be submitted. Loss of water in cooling water and boiler shall be reduced with induction of better technology.
- vii. PP shall submit the copy of certified compliance report from the Regional Office of Ministry.

9. These **'TORs along with Public hearing'** shall be considered for the preparation of EIA/EMP for the above referred project, in addition to all the relevant information as per the 'General Structure of EIA' given in Appendix III and IIIA in the EIA Notification, 2006. Public hearing has to be conducted as per the provisions of the EIA Notification, 2006. The draft EIA/EMP report shall be submitted to the State Pollution Control Board for public hearing. The issues emerged and response to the issues shall be incorporated in the final EIA report.


10. The consultants involved in the preparation of EIA/EMP report after accreditation with Quality Council of India/National Accreditation Board of Education and Training (QCI/NABET) would need to include a certificate in this regard in the EIA/EMP reports prepared by them and data provided by other Organization(s)/Laboratories including their status of approvals etc.


31.5.2017

(Yogendra Pal Singh)
Scientist 'D'

Copy to:

- The Member Secretary, Andhra Pradesh Pollution Control Board, Paryavaran Bhawan, A-III, Industrial Estate, Sanath Nagar, Hyderabad.
- Guard File/Monitoring File/Website/Record File


31.5.2017

(Yogendra Pal Singh)
Scientist 'D'

4(d): STANDARD TERMS OF REFERENCE FOR CONDUCTING ENVIRONMENT IMPACT ASSESSMENT STUDY FOR CHLOR ALKALI PROJECTS AND INFORMATION TO BE INCLUDED IN EIA/EMP REPORT

A. STANDARD TERMS OF REFERENCE

- 1) Executive Summary
- 2) Introduction
 - i. Details of the EIA Consultant including NABET accreditation
 - ii. Information about the project proponent
 - iii. Importance and benefits of the project
- 3) Project Description
 - i. Cost of project and time of completion.
 - ii. Products with capacities for the proposed project.
 - iii. If expansion project, details of existing products with capacities and whether adequate land is available for expansion, reference of earlier EC if any.
 - iv. List of raw materials required and their source along with mode of transportation.
 - v. Other chemicals and materials required with quantities and storage capacities
 - vi. Details of Emission, effluents, hazardous waste generation and their management.
 - vii. Requirement of water, power, with source of supply, status of approval, water balance diagram, man-power requirement (regular and contract)
 - viii. Process description along with major equipments and machineries, process flow sheet (quantative) from raw material to products to be provided
 - ix. Hazard identification and details of proposed safety systems.
 - x. Expansion/modernization proposals:
 - a. Copy of all the Environmental Clearance(s) including Amendments thereto obtained for the project from MOEF/SEIAA shall be attached as an Annexure. A certified copy of the latest Monitoring Report of the Regional Office of the Ministry of Environment and Forests as per circular dated 30th May, 2012 on the status of compliance of conditions stipulated in all the existing environmental clearances including Amendments shall be provided. In addition, status of compliance of Consent to Operate for the ongoing Iexisting operation of the project from SPCB shall be attached with the EIA-EMP report.
 - b. In case the existing project has not obtained environmental clearance, reasons for not taking EC under the provisions of the EIA Notification 1994 and/or EIA Notification

STANDARD TERMS OF REFERENCE (TOR) FOR EIA/EMP REPORT FOR PROJECTS/ACTIVITIES REQUIRING ENVIRONMENT CLEARANCE

2006 shall be provided. Copies of Consent to Establish/No Objection Certificate and Consent to Operate (in case of units operating prior to EIA Notification 2006, CTE and CTO of FY 2005-2006) obtained from the SPCB shall be submitted. Further, compliance report to the conditions of consents from the SPCB shall be submitted.

4) Site Details

- i. Location of the project site covering village, Taluka/Tehsil, District and State, Justification for selecting the site, whether other sites were considered.
- ii. A toposheet of the study area of radius of 10km and site location on 1:50,000/1:25,000 scale on an A3/A2 sheet. (including all eco-sensitive areas and environmentally sensitive places)
- iii. Details w.r.t. option analysis for selection of site
- iv. Co-ordinates (lat-long) of all four corners of the site.
- v. Google map-Earth downloaded of the project site.
- vi. Layout maps indicating existing unit as well as proposed unit indicating storage area, plant area, greenbelt area, utilities etc. If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.
- vii. Photographs of the proposed and existing (if applicable) plant site. If existing, show photographs of plantation/greenbelt, in particular.
- viii. Landuse break-up of total land of the project site (identified and acquired), government/private - agricultural, forest, wasteland, water bodies, settlements, etc shall be included. (not required for industrial area)
- ix. A list of major industries with name and type within study area (10km radius) shall be incorporated. Land use details of the study area.
- x. Geological features and Geo-hydrological status of the study area shall be included.
- xi. Details of Drainage of the project upto 5km radius of study area. If the site is within 1 km radius of any major river, peak and lean season river discharge as well as flood occurrence frequency based on peak rainfall data of the past 30 years. Details of Flood Level of the project site and maximum Flood Level of the river shall also be provided. (mega green field projects)
- xii. Status of acquisition of land. If acquisition is not complete, stage of the acquisition process and expected time of complete possession of the land.
- xiii. R&R details in respect of land in line with state Government policy.

5) Forest and wildlife related issues (if applicable):

- i. Permission and approval for the use of forest land (forestry clearance), if any, and recommendations of the State Forest Department. (if applicable)
- ii. Landuse map based on High resolution satellite imagery (GPS) of the proposed site delineating the forestland **(in case of projects involving forest land more than 40 ha)**

STANDARD TERMS OF REFERENCE (TOR) FOR EIA/EMP REPORT FOR PROJECTS/ ACTIVITIES REQUIRING ENVIRONMENT CLEARANCE

- iii. Status of Application submitted for obtaining the stage I forestry clearance along with latest status shall be submitted.
 - iv. The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, the project proponent shall submit the map duly authenticated by Chief Wildlife Warden showing these features vis-à-vis the project location and the recommendations or comments of the Chief Wildlife Warden-thereon
 - v. Wildlife Conservation Plan duly authenticated by the Chief Wildlife Warden of the State Government for conservation of Schedule I fauna, if any exists in the study area
 - vi. Copy of application submitted for clearance under the Wildlife (Protection) Act, 1972, to the Standing Committee of the National Board for Wildlife.
- 6) Environmental Status
- i. Determination of atmospheric inversion level at the project site and site-specific micro-meteorological data using temperature, relative humidity, hourly wind speed and direction and rainfall.
 - ii. AAQ data (except monsoon) at 8 locations for PM10, PM2.5, SO₂, NO_x, CO and other parameters relevant to the project shall be collected. The monitoring stations shall be based CPCB guidelines and take into account the pre-dominant wind direction, population zone and sensitive receptors including reserved forests.
 - iii. Raw data of all AAQ measurement for 12 weeks of all stations as per frequency given in the NAQQM Notification of Nov. 2009 along with - min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as an annexure to the EIA Report.
 - iv. Surface water quality of nearby River (100m upstream and downstream of discharge point) and other surface drains at eight locations as per CPCB/MoEF&CC guidelines.
 - v. Whether the site falls near to polluted stretch of river identified by the CPCB/MoEF&CC, if yes give details.
 - vi. Ground water monitoring at minimum at 8 locations shall be included.
 - vii. Noise levels monitoring at 8 locations within the study area.
 - viii. Soil Characteristic as per CPCB guidelines.
 - ix. Traffic study of the area, type of vehicles, frequency of vehicles for transportation of materials, additional traffic due to proposed project, parking arrangement etc.
 - x. Detailed description of flora and fauna (terrestrial and aquatic) existing in the study area shall be given with special reference to rare, endemic and endangered species. If Schedule-I fauna are found within the study area, a Wildlife Conservation Plan shall be prepared and furnished.
 - xi. Socio-economic status of the study area.

STANDARD TERMS OF REFERENCE (TOR) FOR EIA/EMP REPORT FOR PROJECTS/ACTIVITIES REQUIRING ENVIRONMENT CLEARANCE

7) Impact and Environment Management Plan

- i. Assessment of ground level concentration of pollutants from the stack emission based on site-specific meteorological features. In case the project is located on a hilly terrain, the AQIP Modelling shall be done using inputs of the specific terrain characteristics for determining the potential impacts of the project on the AAQ. Cumulative impact of all sources of emissions (including transportation) on the AAQ of the area shall be assessed. Details of the model used and the input data used for modelling shall also be provided. The air quality contours shall be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors, if any.
- ii. Water Quality modelling - in case of discharge in water body.
- iii. Impact of the transport of the raw materials and end products on the surrounding environment shall be assessed and provided. In this regard, options for transport of raw materials and finished products and wastes (large quantities) by rail or rail-cum road transport or conveyor-cum-rail transport shall be examined.
- iv. A note on treatment of wastewater from different plant operations, extent recycled and reused for different purposes shall be included. Complete scheme of effluent treatment. Characteristics of untreated and treated effluent to meet the prescribed standards of discharge under E(P) Rules.
- v. Details of stack emission and action plan for control of emissions to meet standards.
- vi. Measures for fugitive emission control
- vii. Details of hazardous waste generation and their storage, utilization and management. Copies of MOU regarding utilization of solid and hazardous waste in cement plant shall also be included. EMP shall include the concept of waste-minimization, recycle/reuse/recover techniques, Energy conservation, and natural resource conservation.
- viii. Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 2009. A detailed plan of action shall be provided.
- ix. Action plan for the green belt development plan in 33 % area i.e. land with not less than 1,500 trees per ha. Giving details of species, width of plantation, planning schedule etc. shall be included. The green belt shall be around the project boundary and a scheme for greening of the roads used for the project shall also be incorporated.
- x. Action plan for rainwater harvesting measures at plant site shall be submitted to harvest rainwater from the roof tops and storm water drains to recharge the ground water and also to use for the various activities at the project site to conserve fresh water and reduce the water requirement from other sources.
- xi. Total capital cost and recurring cost/annum for environmental pollution control measures shall be included.
- xii. Action plan for post-project environmental monitoring shall be submitted.

STANDARD TERMS OF REFERENCE (TOR) FOR EIA/EMP REPORT FOR PROJECTS/ ACTIVITIES REQUIRING ENVIRONMENT CLEARANCE

- xiii. Onsite and Offsite Disaster (natural and Man-made) Preparedness and Emergency Management Plan including Risk Assessment and damage control. Disaster management plan should be linked with District Disaster Management Plan.
- 8) Occupational health
- i. Plan and fund allocation to ensure the occupational health & safety of all contract and casual workers
 - ii. Details of exposure specific health status evaluation of worker. If the workers' health is being evaluated by pre designed format, chest x rays, Audiometry, Spirometry, Vision testing (Far & Near vision, colour vision and any other ocular defect) ECG, during pre placement and periodical examinations give the details of the same. Details regarding last month analyzed data of above mentioned parameters as per age, sex, duration of exposure and department wise.
 - iii. Details of existing Occupational & Safety Hazards. What are the exposure levels of hazards and whether they are within Permissible Exposure level (PEL). If these are not within PEL, what measures the company has adopted to keep them within PEL so that health of the workers can be preserved,
 - iv. Annual report of health status of workers with special reference to Occupational Health and Safety.
- 9) Corporate Environment Policy
- i. Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.
 - ii. Does the Environment Policy prescribe for standard operating process / procedures to bring into focus any infringement / deviation / violation of the environmental or forest norms / conditions? If so, it may be detailed in the EIA.
 - iii. What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the environmental clearance conditions? Details of this system may be given.
 - iv. Does the company have system of reporting of non compliances / violations of environmental norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism shall be detailed in the EIA report.
- 10) Details regarding infrastructure facilities such as sanitation, fuel, restroom etc. to be provided to the labour force during construction as well as to the casual workers including truck drivers during operation phase.
- 11) Enterprise Social Commitment (ESC)
- i. Adequate funds (at least 2.5 % of the project cost) shall be earmarked towards the Enterprise Social Commitment based on Public Hearing issues and item-wise details along with time

STANDARD TERMS OF REFERENCE (TOR) FOR EIA/EMP REPORT FOR PROJECTS/ACTIVITIES REQUIRING ENVIRONMENT CLEARANCE

bound action plan shall be included. Socio-economic development activities need to be elaborated upon.

- 12) Any litigation pending against the project and/or any direction/order passed by any Court of Law against the project, if so, details thereof shall also be included. Has the unit received any notice under the Section 5 of Environment (Protection) Act, 1986 or relevant Sections of Air and Water Acts? If so, details thereof and compliance/ATR to the notice(s) and present status of the case.
- 13) A tabular chart with index for point wise compliance of above TOR.

B. SPECIFIC TERMS OF REFERENCE FOR EIA STUDIES FOR CHLOR ALKALI INDUSTRIES

1. Details on demand of the product- chlorine and its associated products.
2. Details on raw materials used in the production of chlorine (sodium chloride, potassium chloride, etc.), its storage and handling.
3. Details of proposed source - specific pollution control schemes (salt washing, filtration, cell ventilations as, chlorine handling and safety, etc.) and equipments to meet the national standards.
4. Details on products to be made and handling-chlorine, caustic soda, etc.
5. Details on tail gas treatment.
6. Details on requirement of energy and water along with its source and authorization from the concerned department.
7. In case of modernization of existing mercury based chlor-alkali plants with membrane cell Process (MBCP) industries or new unit in the existing industry premises, remediation measures adopted to restore then environmental quality of the ground water, soil, crop, air, etc., are affected due to salinity and detailed compliance to the prior environmental clearance/ consent conditions.
8. Details on ground water quality and surface water quality of near by water sources and other surfaced rains. The parameters of water quality may include Residual chlorine*, TDS*, alkalinity*, pH* & Mercury* (in water & sediment), etc. (*- As applicable)
9. Details on existing ambient air quality and expected, emissions for PM10, PM2.5, SO2*, NOx*, CO2*, CO*, Chlorine*, acid mist* etc., and evaluation of the adequacy of the proposed pollution control devices to meet standards for point sources and to meet AAQ standards. (*-As applicable)
10. Specific programme to monitor safety and health protection of workers.
11. Risk assessment should also include leakages and location near to caustic soda plant & proposed measures for risk reduction
12. Details of the emergency preparedness plan for chlorine/ Hydrogen storage, handling and transportation and on- site and off- site disaster management plan.



भारत सरकार

GOVERNMENT OF INDIA

पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय

MINISTRY OF ENVIRONMENT, FORESTS & CLIMATE
CHANGE



Regional Office (South Eastern Zone),
1st & 2nd floor, HEPC Building, No.34, Cathedral Garden Road,
Nungambakkam, Chennai - 600034

F.No. EP/12.1/455/AP/1377
27.08.2018

To
Shri. P. Narendranath Chowdary,
Managing Director,
M/s. The Andhra Sugars Limited,
Seggonda - 534 318
West Godavari District,
Andhra Pradesh.

Subject: Expansion of Caustic Soda Plant from 200 TPD to 400 TPD based on Membrane Cell Technology by M/s The Andhra Sugars Ltd., Saggonda, District West Godavari, and Andhra Pradesh.

Reference: 1) Letter No: J-11011/245/2005-IA II (I), dated: 08.02.2006.
2) Your letter dated: 17.07.2018

Sir/Madam,

With reference to 2nd cited above, please find enclosed herewith a certified copy of the compliance report. This has been approved by the Addl.PCCF(C) vide diary no. 987, dt. 20.08.2018.

Yours faithfully,

(Dr.C.Kaliyaperumal)
Director (S)

Encl: As above.

Dr. C. KALIYAPERUMAL, M.E., PhD
Director (S)
Government of India
Ministry of Environment, Forests & Climate Change
Regional Office (South Eastern Zone)
HEPC Building, No.34, Cathedral Garden Road,
Nungambakkam, Chennai-600 034.

Certified Copy of the Compliance Report

Subject: Expansion of Caustic Soda Plant from 200 TPD to 400 TPD based on Membrane Cell Technology by M/s The Andhra Sugars Ltd., Saggonda, District West Godavari, Andhra Pradesh.

Reference: Letter No.: J-11011/245/2005-IA II (I), Dated: 08.02.2006.

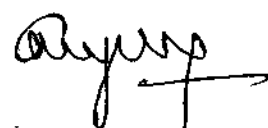
Present Status of the Project:

The project authority (PA) is manufacturing Caustic soda. Along with these by-products such as Liquid Chlorine, Hydrochloric acid, Sodium hypochlorite, Hydrogen gas, Liquid Hydrogen, Caustic soda flakes and Poly Aluminium chloride. Sulphuric acid is also being manufactured. The production details for last 5 years provided by PA is here with enclosed (Annexure-1). The factory is running and manufacturing the products.

Date of Monitoring: 14.08.2018

A. Specific Conditions:

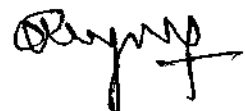
S.No.	Conditions	Compliance
i.	The gaseous emissions (SO ₂ , NO _x , Cl ₂ & Hcl) and particulate matter from various process units shall conform to the standards prescribed by the concerned authorities from time to time. At no time, the emission levels shall go beyond the stipulated standards. Adequate height for Chlorine gas stack shall be maintained as per CPCB guidelines. In the event of failure of pollution control system(s) adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency. Proper arrangements shall be made for the on-line real time emission data to be available to CPCB website.	Complied The Project Authority (PA) has provided online stack monitoring equipments in chlorine stack, 2 no of Hcl stack, H ₂ SO ₄ stack, boiler stack and real time data is connected to CPCB and APPCB for monitoring chlorine, Hcl, SO ₂ , PM and not NO _x . In addition to the above manual monitoring is also carried out on a monthly basis by the Project authority (PA). As stated the levels are within the limit and have assured that in the event of failure of any Pollution Control System in the plant, the respective unit will be stopped automatically and the plant operations will be resumed only after the rectification of the concerned Pollution Control System.
ii.	The project authorities shall comply with the recommendations made in the Disaster Management Plan. The Company shall install Chlorine gas detectors to detect leakage of Chlorine at liquid Chlorine storage tanks, Sodium Hypo plant, Hcl synthesis unit and	Complied The PA has installed 11 no. of Chlorine gas detectors in the following plant areas. <ul style="list-style-type: none">• Electrolysis area• Chlorine Liquefaction• Chlorine Storage tanks



	Electrolysis area. The company shall install on-line analyser in HCl plant and hypo stack with recording facility.	<ul style="list-style-type: none"> • Chlorine Filling area • Sodium Hypo Chlorite Plant <p>Further they have already installed on-line analysers for the monitoring of emissions in the Hypo & Hcl stacks with recording facilities.</p>
iii.	The vent gases from Sodium Hypochlorite plant and HCl acid plant shall be controlled at source by effective absorption system so that Chlorine concentration in the vent gases shall not exceed 5 ppm. Waste Chlorine gas shall be used in preparation of HCl. The vent gases shall be discharged from the stacks of adequate height for effective dispersion. Additional Chlorine sensors shall be installed to monitor Cl ₂ . ESP shall be installed to minimize emissions.	<p>Complied</p> <p>Vent from caustic soda plant is scrubbed (bubble cap absorption) in the water. The scrubbed material is reused for the production of Hcl. Chlorine concentration for the vent is monitored and it is less than 1 ppm as informed. The PA informed that initially there were only 5 sensors was there and they have increased into six more additionally. Further they have provided stacks of sufficient height for all the emissions in order to have better dispersion. ESP is not installed.</p>
iv.	Ambient air quality monitoring stations shall be set up in the downwind direction as well as where maximum ground level concentration are anticipated in consultation with the APPCB and data submitted to the Ministry.	<p>Complied.</p> <p>The PA has installed one continuous on-line Ambient Air Quality (CAAQ) monitoring station in the downwind direction of their plant premises and the real time monitored data are transmitted to APPCB's server from 16.5.2011 onwards. In addition to these three numbers of AAQ monitoring stations are selected and monitoring is carried out of quarterly basis by the PA.</p>
v.	Total water requirement shall not exceed 3,490 m ³ /day. Necessary permission from the Irrigation & CAD Department shall be obtained before commissioning expansion project. Effluent generated will be treated in the ETP and treated effluent shall conform to the standards stipulated by the APPCB. The company shall recycle and reuse treated effluent for green belt development within the plant premises. Domestic effluent shall be treated in septic tank and soak pit.	<p>Complied</p> <p>As informed that the total water requirement for the entire plant operations at their Saggonda is within the limit of 3490 m³/day (present consumption is 2200 m³/day). They have already obtained the necessary permissions from the Irrigation & CAD departments, Govt. of AP for withdrawal of water from River Godavari. They are following Zero Liquid Discharge (ZLD) by installing R.O. Plant on 28.11.2012 for treatment of effluents and reusing. Permeate is</p>



		used for cooling tower makeup/green belt development and R.O rejects in the Brine Saturators taken for process. The Domestic effluents are being treated in the septic tank followed by soak pits.
vi.	The solid waste including Brine lime salt and ETP sludge shall be disposed off in the TSDF, Hyderabad approved by the APPCB. Any further extension or creation of new secured landfill facility at the site shall be as per the CPCB guidelines. The steam condensate shall be recycled back to the Waste Heat Recovery System (WHRS). Barium Sulphate Recovery Plant shall be installed to recover Sulphates from the Brine sludge in the Caustic Soda Plant. It is noted that besides existing secured landfill to dispose of 9,625 m ³ brine sludge, additional brine sludge disposal pit of 10,000 m ³ capacity shall be developed for the proposed expansion.	Complied As informed the spent catalyst is stored and disposed to TSDF, Parwada, Visakhapatnam. Earlier they were having three pits for secured land filling. These pits are caped as per the CPCB guidelines by storing about 15,174 tons of Sludge. Now the fourth one is made and it is under use. In this fourth pit about 5643 tons of sludge is stored so far. The steam condensate from all the operations is being collected and recycled back to the Waste Heat Recovery Boiler in the Sulphuric Acid Plant. Barium Sulphate recovery plant is installed to recover Sulphates from the brine sludge in the Caustic Soda Plant. The recovered barium is sold to downstream industries.
vii.	All the CREP recommendations suggested for the caustic soda plant by the CPCB shall be implemented effectively and report submitted to MOEF/CPCB/APPCB. The existing mercury cell operations shall be stopped and closed to eliminate mercury pollution load and produce environment friendly and cleaner products.	Refer below The PA informed that CREP recommendations are implemented as suggested for the Caustic Soda industry and the reports were submitted to CPCB / APPCB authorities. Though the PA informed that the compliance report on the CREP directions was submitted to the MoEF, New Delhi. There are no Mercury Cell Caustic Soda operations at their Saggonda Unit. They have already closed the Caustic Soda plant operations based on Mercury Cell technology from 30-06-2005 onwards at their Kovvur unit.
viii.	The company shall seek permission from the State Irrigation Department, Govt. of A.P. to draw water from the Godavari river.	Complied The PA has obtained the approval from the State Irrigation Department, Govt. Of Andhra Pradesh for withdrawal of Godavari River water for their Saggonda Plant operations.



ix.	The company shall develop rain water harvesting structures to harvest the runoff water from the roof top and by laying a separate storm water drainage system for recharge of ground water.	Complied The PA has implemented rain water harvesting facilities at three different locations including for the roof top collection for recharging ground water.
x.	Green belt shall be developed in an area of 190 acres to mitigate the effects of fugitive emissions all around the plant. The development of green belt shall be as per the Central Pollution Control Board guidelines.	Refer below They have developed Green Belt in an area of 150 acres at all around the plant. They informed that the remaining area will be covered in a phased manner.

B. General Conditions:

S.No.	Conditions	Compliance
i.	The project authorities must strictly adhere to the stipulations made by the A.P. Pollution Control Board.	Complied The PA informed that all the stipulations made by APSPCB are adhered and the consent is valid up to 30.11.2019.
ii.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Complied. No further expansion was carried out without MoEF approval and now they are going for an expansion from 400 TPD to 800 TPD and for that they have requested certified copy of the compliance report.
iii.	The project authorities shall strictly comply with the rules and regulations under Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 as amended in October 1994 and January 2000. Prior approvals from Chief Inspectorate of Factories, Chief of Controller Explosives, Fire Safety Inspectorate etc. must be obtained.	Complied The PA informed that all the rules and regulations under Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 and amendments from time to time are implemented. Prior approvals from Chief Inspectorate of Factories, <ul style="list-style-type: none"> • Chief Controller of Explosives, • Fire Safety Inspectorate was obtained.
iv.	The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous wastes in accordance with the	Complied The PA informed that the Rules & Regulations of the Hazardous Wastes (Management & Handling) Rules, 2003



	Hazardous Wastes (Management and Handling) rules, 2003. Authorization from the State Pollution Control Board must be obtained for collections/treatment/storage/disposal of hazardous wastes.	and its amendments from time to time are implemented. They have obtained an Authorization from the State Pollution Control Board for collections/treatment/storage/disposal of Hazardous wastes and is valid up to 30.11.2019.
v.	The overall noise levels in and around the plant area should be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under Environment (Protection) Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	Refer below Noise levels are monitored at 7 locations during day and night time by the PA and as per the report the levels during the night time is more than the limit. During the visit also it was observed that the noise levels are more in the factory area. They were directed to provide acoustic measures for the noise generating unit.
vi.	Occupational health surveillance programme should be undertaken as regular exercise for all the employees, specifically for those engaged in handling hazardous substances. The first facilities in the occupational health centre should be strengthened and the medical records of each employee should be maintained separately.	Complied Occupational health surveillance programme is being undertaken on a regular basis for all the employees through their own company hospital which is in Tanuku and records are maintained. Further they have one trained male nurse for 24 hours, fully equipped ambulance, 5 bedded OHC; 5nos of medical oxygen masks with one oxygen cylinder manifold, 8 nos of spare oxygen cylinders are available in their OHC centre.
vii.	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA and Disaster Management Plan (DMP). The company shall also undertake social welfare/community development measures in the surrounding villages such as health care, education and drinking water supply facilities.	Refer below As stated above noise level is more and it has to be controlled. The PCB has issued directions for installation of online analyzer for HCL stacks, disposal of spent catalyst and for that the PA has fulfilled and submitted the compliance report to the PCB. Though the PA informed that an amount of Rs, 1,55,02,500/- was incurred for CSR activities during the year 2017 - 18 for the entire group companies, no details were made especially only for this project and the details of expenditure carried out for

STATE POLLUTION CONTROL BOARD
 Director
 State Pollution Control Board
 1st Floor, 2nd Stage, 3rd Cross, 4th Main, 5th Block, 6th Stage, 7th Cross, 8th Main, 9th Block, 10th Stage, 11th Cross, 12th Main, 13th Block, 14th Stage, 15th Cross, 16th Main, 17th Block, 18th Stage, 19th Cross, 20th Main, 21st Block, 22nd Stage, 23rd Cross, 24th Main, 25th Block, 26th Stage, 27th Cross, 28th Main, 29th Block, 30th Stage, 31st Cross, 32th Main, 33rd Block, 34th Stage, 35th Cross, 36th Main, 37th Block, 38th Stage, 39th Cross, 40th Main, 41st Block, 42nd Stage, 43rd Cross, 44th Main, 45th Block, 46th Stage, 47th Cross, 48th Main, 49th Block, 50th Stage, 51st Cross, 52th Main, 53rd Block, 54th Stage, 55th Cross, 56th Main, 57th Block, 58th Stage, 59th Cross, 60th Main, 61st Block, 62nd Stage, 63rd Cross, 64th Main, 65th Block, 66th Stage, 67th Cross, 68th Main, 69th Block, 70th Stage, 71st Cross, 72th Main, 73rd Block, 74th Stage, 75th Cross, 76th Main, 77th Block, 78th Stage, 79th Cross, 80th Main, 81st Block, 82nd Stage, 83rd Cross, 84th Main, 85th Block, 86th Stage, 87th Cross, 88th Main, 89th Block, 90th Stage, 91st Cross, 92th Main, 93rd Block, 94th Stage, 95th Cross, 96th Main, 97th Block, 98th Stage, 99th Cross, 100th Main.

Signature

		different activities in the vicinity of the factory.
viii.	A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the environmental management and monitoring functions.	Complied The PA has set up a separate EMC with lab facilities.
ix.	The project authorities will provide requisite funds both recurring and non-recurring to implement the conditions stipulated by the Ministry of Environment & Forests as well as State Government along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.	Complied The PA informed that an amount of Rs. 17.2 Cr. for capital cost and Rs. 6.8 Cr. for recurring cost was incurred towards environmental management purpose. Further informed that the fund allotted for this purpose is not diverted for any other activities.
x.	The implementation of the project vis-à-vis environmental action plans will be monitored by the Ministry's Regional Office at Bangalore/APPCB/CPCB. A six monthly compliance status report shall be submitted to monitoring agencies.	Complied They are submitting six monthly Compliance status reports to all the monitoring agencies like APPCB / CPCB /MoEF.
xi.	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the APPCB/Committee and may also be seen at Website of the Ministry at http://envfor.nic.in . This should be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which on shall be in the vernacular language of the locality concerned and a copy of the same should be forwarded to the Regional Office.	Complied They had given advertisements in two local newspapers on 10.02.2006 in Eenadu (Telugu) & Hindu (English) and copies of the same were submitted to RO.

This has the approval of the Addl. PCCF(C) vide diary no. 987, dated: 20.08.2018.


(Dr.C.Kaliyaperumal)
Director (S)

Dr. C. KALIYAPERUMAL, M.E., PhD
Director (S)
Government of India
Ministry of Environment, Forests & Climate Change
Regional Office (South Eastern Zone)
HEPC Building, No.34. Cathedral Garden Road,
Nungambakkam, Chennai-600 034.



Ravi Kiran <ravikiran.thummeda@gmail.com>

Column 6 of Form 2 showing 'NIL' after filling also.

1 message

Ravi Kiran <ravikiran.thummeda@gmail.com>
To: ChandraMohan Sharma <monitoring-ec@nic.in>

Mon, Apr 15, 2019 at 12:17 PM

Dear Sir,

We submitted application (Form 2) for EC.
Proposal No. IA/AP/IND2/97871/2017

We uploaded TOR and earlier EC copies in column 6 (File attached below after submission of said proposal)

we got EDS on 23.03.2019 seeking to submit earlier EC/TOR and we given response by attaching the required files in additional documents slot. (filled Form 2 after EDS attached)

In filled form 2 it again showing NIL

Again we got EDS on 13.04.2014 seeking the same "**relavant details in Column 6**".

This issue we are facing for more than 6 projects.

Kindly look into this matter and do the needful

Thanks & regards,

T. Ravi Kiran
Team Labs and Consultants
Phone: +91 9948880956

2 attachments **ASL Saggonda Form II after EDS Resposne 09.04.2019.pdf**
128K **ASL Saggonda Filled Form II Online 02.03.2019.pdf**
128K