

The 276th meeting of the State Expert Appraisal Committee (SEAC) was held on 13th April, 2016 under the Chairmanship of Dr. R.B. Lal for the projects / issues received from SEIAA. The following members attended the meeting-

1. Shri K. P. Nyati, Member
2. Dr. U. R. Singh, Member
3. Dr. Alok Mittal, Member
4. Shri Manohar K. Joshi, Member
5. Shri R. Maheshwari, Member
6. Dr. S. K. Iyer, Member

The Chairman welcomed all the members of the Committee and thereafter agenda items were taken up for deliberations.

1. **Case no.-734/2012 Shri S.P. Jain, Sr. Vice President, Green Field Project, M/s Khaitan Chemicals & Fertilizers Ltd., 301-308, Apollo Arcade, 3rd Floor, 1/2 Old Parasia, Indore (M.P.) Proposed Green Field Sulphuric Acid (500 MTPD), GSSP (3X400 MTPD) and captive Power Plant (5MW) production Units, Khaitan Chemicals & Fertilizers Ltd. at At Khasra no.-129, 130, 135, 136, Village - Gudaholla, Distt. - Neemuch (M.P.) (ToR issued letter No. 631 dt. 01/10/12 Valid up to 30/09/14) For- EIA Presentation. Case forwarded to SEIAA vide letter no. 1027 dt-27/4/16, rec.dt-29/4/16.**

This is project pertaining to installation of Sulphuric Acid (500 MTPD), GSSP (3X400MTPD) and captive Power Plant (5MW) production Units. It is covered under EIA Notification at SN 5(a) at Village ó Gudaholla, Tehsil- Javad, District ó Neemuch (M.P) hence it has to be appraised by the SEIAA / SEAC for grant of prior EC.

The EIA of this case was forwarded by the SEIAA to SEAC for appraisal vides letter no. 1027/SEIAA/2016 dated 27/04/2016. The case was placed before the SEAC in this meeting for presentation of the EIA report and salient features of the project.

The case was presented by the PP and their consultant wherein following details were submitted by the PP:

1. TOR was issued vides letter no. 631 dated 01/10/2012 having validity up to 30/09/2014.
2. Public hearing was conducted on 12/02/2014 at project site.
3. Final EIA report was submitted to MoEF, New Delhi on dated 22/05/2015.

PP also submitted that vides letter dated 13/04/2016 they made request to SEIAA,MP to relist their case after transferring from MoEF, New Delhi for further consideration

which was considered by them in their 320th SEIAA meeting dated 21/04/2016 and the case as relisted and sent to SEAC for appraisal.

During discussion and appraisal of the project, it was observed by the committee members that this proposal is for installation of Sulphuric Acid (500 MTPD), GSSP (3X400MTPD) and captive Power Plant (5MW) production Unit at Village - Gudaholla, Distt. - Neemuch (M.P.) and is covered under EIA Notification at SN 5(a) and as per the EIA Notification, 2006, category 5(a) it is mentioned that “*All projects including all single super phosphate with H₂SO₄ production except granulation of chemical fertilizers*” are category “A” projects. Since this project involves production of Sulphuric Acid it becomes “Category-A” project and thus committee recommends that this project may be referred to MoEF&CC, Govt. of India for appraisal through SEIAA.

2. **Case no. - 819/2012 M/s Khaitan Chemicals & Fertilizers Limited A.B. Road, Nimrani, Khargone – 451569 (M. P.) Expansion of 4.0 lacs TPA (2 x 600 TPD) Single Super Phosphate & 6.60 Lacs TPA (5 x 400TPD) Granulated Single Super Phosphate plants at Khasra no.-393, 394, 395, 396/1, 396/2, 404/1, 405, 403/1, 403/2, (Rotal plot area-235300 Sq.m.) Nimrani, District -Khargone, (M.P.) of M/s Khaitan Chemicals & Fertilizers Ltd., (ToR issued letter No. 768 dt. 11/12/12 Valid up to 10/12/14) For- EIA Presentation. Case forwarded by SEIAA vide letter no. 1029 dt-27/4/16 rec.dt-29/4/16. rec. dt. 02/05/16.**

This is a case pertaining to production of SSP / GSSP. The activity is covered under the provision of EIA Notification mentioned at SN 5(a) of the schedule of the said notification and hence it requires prior EC before commencement of desired production.

The EIA of this case was forwarded by the SEIAA to SEAC for appraisal vide letter no. 1029/SEIAA/2016 dated 27/04/2016. The case was placed before the SEAC in this meeting for presentation of the EIA report and salient features of the project.

The case was presented by the PP and their consultant wherein following details were submitted by the PP:

1. TOR was issued vide letter no. 768 dated 11/12/2012 having validity up to 10/12/2014.
2. Public hearing was conducted on 10/09/2013 at project site.
3. Final EIA report was submitted to MoEF, New Delhi on dated 22/05/2015.

PP also submitted that vide letter dated 13/04/2016 they made request to SEIAA,MP to relist their case after transferring from MoEF, New Delhi for further consideration which was considered by them in their 320th SEIAA meeting dated 21/04/2016 and the case as relisted and sent to SEAC for appraisal.

During discussion and appraisal of the project, it was observed by the committee members that this proposal is for Expansion of 4.0 lacs TPA (2 x 600 TPD) Single Super Phosphate & 6.60 Lacs TPA (5 x 400TPD) Granulated Single Super Phosphate plants at Nimrani, District -Khargone, (M.P.) of M/s Khaitan Chemicals & Fertilizers Ltd., and is covered under EIA Notification at SN 5(a) and as per the EIA Notification, 2006, category 5(a) it is mentioned that “*All projects including all single super phosphate with H₂SO₄ production except granulation of chemical fertilizers*” are category “B” projects. Since in this project Sulphuric Acid plant of 1,15,500 MT/Annum as per M.P. Pollution Control Board’s consent is in existence, it becomes “Category-A” project and thus committee recommends that this project may be referred to MoEF&CC, Govt. of India for appraisal through SEIAA.

3. Case No. - 5007/2016 The Project Manager, M/s Sagar MSW Solutions Private Limited, 6-3-1089/G/10&11, Gulmohar Avenue, Rajbhavan Road, Somajiguda, Hyderabad-500082 Prior Environment Clearance for development of an Integrated Municipal Solid Waste Processing & Disposal Facility (350 TPD) at Khasra No.-166, Village-Hafsili, Tehsil-Sagar, District-Sagar (M.P.)FoR- ToR.

The project is a construction CMSWMF falls under Category 7(i) of Common Municipal Solid Waste Management Facility (CMSWMF) (As per EIA notification dated 14th September 2006 and amended to the date) and involves environmental clearance. Application was forwarded by SEIAA to SEAC for appraisal and necessary recommendations.

The current Municipal Solid Waste (MSW) management system in Sagar town and ten (10) other surrounding Urban Local Bodies, ULBs (Makronia, Banda, Khurai, Rehli, Grahakota, Bina, Deori, Rahatgarh, Shahgarh and Shahpur) currently do not have adequate MSW management facility. Hence realizing the necessity of efficient waste management system, it is proposed to establish an Integrated MSW processing and Disposal Facility on Public Private Partnership (PPP) basis for management of MSW generated in Sagar Town and 10 other surrounding ULBs.

Sagar MSW Solutions Private Limited (SMSWSPL) (Project Proponent) was chosen for establishing an Integrated MSW Processing and Disposal Facility in Sagar town.

Currently, Sagar Town along with 10 other ULBs generate an average MSW of 180 TPD. All the 10 participating ULBs are within 75 km radius of Sagar Town. Considering the population projection, the Project Proponent proposes to establish a 350 TPD Integrated MSW Processing and Disposal Facility in Sagar Town with facilities such as Composting/Dry Fermentation (for recovery of organics), Materials Recovery Facility (for recovery of recyclables), Refuse Derived Fuel (RDF) facility for recovery of high calorific value waste, Secured Landfill (for disposal of inerts) and Incinerator for leachate treatment/disposal, RDF disposal, and for animal carcass.

The proposed Integrated Waste Management Facility will be established in a land of about 10.50 hectares located within Sagar town. Because this project aims at modernization of existing dumpsite (which is being used for more than 10 years), no alternative sites were considered for development of this facility. The proposed site proves to be the best location considering both the environmental and economical factors.

Sagar District is abound of Deep and Medium Black Soils. Sagar has a borderline climate with hot summers, a somewhat cooler monsoon season and cool winters. Heavy rain falls in the monsoon season in the month of July and August. Sagar experiences maximum precipitation (64% of the total annual) in the month of July and August with 16.5 mm and 19.7 mm rainy days whereas March and April experience least. Summers lasts from March to June whereas December and January are coldest months.

The water requirement for operating the proposed facility is about 10 KLD. It is expected that Sagar Municipal Corporation would supply water to this facility. Otherwise, water requirement would be met through tankers. The energy requirement for operating the proposed facility is about 0.5 MW which will be fulfilled by MPTRANSCO. Sufficient capacity DG Sets (750 KVA) are proposed for power backup.

The current MSW waste generation from Sagar and surrounding ULBs is about 180 TPD. Considering some factor of safety, the proposed Integrated MSW Processing and Disposal Facility will be established to handle about 350 tons of MSW per day (350 TPD).

Based on the waste characteristics, proposed process consists of dry fermentation (Anaerobic digestion), Composting (Aerobic digestion), RDF and Material (Recyclables) recovery facilities. The waste received to the facility will be taken at waste receiving platform after its weightment and inspection process. At the waste receiving platform, bulky / large articles like tyres, boulders etc. will be separated and

the same will be sent for further process and the rejects / inert material will be sent for disposal into sanitary landfill. From there the waste will be mechanically segregated using a Trommel / Screens with screen hole size of 100 mm into organic fraction (100 mm in size). The organic fraction of waste will be processed through dry fermentation process to recover bio-gas followed by aerobic composting process in the windrow platform. Upon completion of these anaerobic and aerobic decomposition processes the waste will be routed for coarse segregation / primary screening and segregated into components by size, manual separation of waste components, and separation of ferrous and non-ferrous metals. The segregated materials will be sent for further processing. The final products from the proposed processing plants will be Bio-gas, Compost, Recyclables and RDF. The quantity of the final products resulting from processing facility may vary depending on the characteristics of incoming waste. The quantity of inert / process rejects sent to landfill will be restricted to less than 20%.

The case was presented by the Project Manager, M/s Sagar MSW Solutions Private Limited wherein during deliberations it was informed to the committee by the PP that Municipal Corporation, Sagar has entered in to an agreement with M/s Ramky Enviro for the execution of the project. M/s Ramky Enviro has constituted a SPV with the name M/s Sagar MSW Solutions Private Limited for the execution of the project.

The case was earlier discussed in the 273rd SEAC meeting dated 01/04/2016 wherein as per the observation of the committee all the formalities for obtaining EC are to be completed by PP or his authorized person only, which in this case is Municipal Corporation, Sagar. The M/s Sagar MSW Solutions Pvt. Ltd is only a concessioner of the project. The M/s Sagar MSW Solutions Pvt. Ltd appearing as PP were unable to produce any document issued by Municipal Corporation, Sagar authorizing them to obtain EC on their behalf. The committee is, therefore, of the view that M/s Sagar MSW Solutions Pvt. Ltd be asked to submit a clarification to this effect with supporting documents from Municipal Corporation, Sagar.

PP vides their letter dated 29/04/2016 has submitted a letter of Commissioner, Sagar Municipal Corporation wherein it is mentioned that *“Sagar Municipal Corporation hereby provides Authorization to Sagar MSW Solutions Private Limited to obtain Environmental Clearance on Sagar Municipal Corporation’s behalf”*.

The case was presented by the PP (Mr. Karunakar Nune, Executive, HR, Sagar Municipal Corporation), and representatives of M/s Sagar MSW Solutions Private Limited, Hyderabad and Shri Chakradhar, Ramky Enviro, Hyderabad. Committee after deliberations decide that since Commissioner, Sagar Municipal Corporation, Sagar have

authorize M/s Sagar MSW Solutions Private Limited, Hyderabad, Standard TOR as prescribed by the MoEF & CC for conducting EIA studies be issued along with following additional TORs:

1. How the waste would be segregated while protecting the health of the workers so as not to cause adverse effect on them should be discussed in EIA.
2. How the leachates will be handled be discussed in the EIA.
3. It is proposed that animal carcasses will be incinerated. Is it possible to recover bones and utilize for other purpose?
4. MSW handling technology should be fixed for all the wastes and worst case scenario be studied and discussed in the EIA.
5. The proposed site is close to railway station, the probable impact be discussed in EIA and mitigative measures should form the part of EMP.
6. Preventive measures that will be taken to prevent fire due to methane generation be discussed in the EIA.
7. PP and their consultant informed that they have already started EIA study including data collection, survey, monitoring etc and requested to use the same. The committee agreed to their request.

4. **Case No. - 5008/2016 The Project Manager, M/s Katni MSW Solutions Private Limited, 6-3-1089/G/10 &11, Gulmohar Avenue, Rajbhavan Road, Somajiguda, Hyderabad-500082 Prior Environment Clearance for development of an Integrated Municipal Solid Waste Processing & Disposal Facility (150 TPD) at Khasra No.-527, Area-6.20 ha .at Khasra no.-527, Village-Padarwara, Tehsil-Katni, District-Katni (M.P.)FoR- ToR**

The project is a construction CMSWMF falls under Category 7(i) of Common Municipal Solid Waste Management Facility (CMSWMF) (As per EIA notification dated 14th September 2006 and amended to the date) and involves environmental clearance. Application was forwarded by SEIAA to SEAC for appraisal and necessary recommendations.

The current Municipal Solid Waste (MSW) management system in Katni town and four (4) other surrounding Urban Local Bodies, ULBs (Sehora, Kymore, Barhi, and Vijayaragavagarh) currently do not have adequate MSW management facility. Hence realizing the necessity of efficient waste management system, it is proposed to establish an Integrated MSW processing and Disposal Facility on Public Private Partnership

(PPP) basis for management of MSW generated in Katni town and 4 other surrounding ULBs.

öKatni MSW Management Private Limitedö (Project Proponent) was chosen for establishing an Integrated MSW Processing and Disposal Facility in Katni town. Currently, Katni town along with 4 other ULBs generate an average MSW of 90 TPD. All the 4 participating ULBs are within 50 km radius of Katni town. The Project Proponent proposes to establish a 150 TPD Integrated MSW Processing and Disposal Facility in Katni City with facilities such as Composting/Dry Fermentation (for recovery of organics), Materials Recovery Facility, MRF (for recovery of recyclables), Refuse Derived Fuel (RDF) facility for recovery of high calorific value waste, Secured Landfill (for disposal of inert) and an Animal Carcass Incinerator.

The proposed Integrated Waste Management Facility will be established in a land of about 6.20 hectares located within Katni City. No alternative sites were considered for development of this facility. The proposed site proves to be the best location considering both the environmental and economical factors. One additional benefit is that the dumpsite located within the site will be cleared up with progress of sanitary landfill operations.

The water requirement for operating the proposed facility is about 10 KLD. It is expected that Katni Municipal Corporation would supply water to this facility. Otherwise, water requirement would be met through tankers. The energy requirement for operating the proposed facility is about 0.4 MW which will be fulfilled by MPTRANSCO. Sufficient capacity DG Sets (750 KVA) are proposed for power backup.

The current MSW waste generation (considering Katni Town and 4 surrounding ULBs together) is estimated to be about 94 TPD. However, considering the population and waste projections, it is proposed to establish the Integrated Waste Management Facility to handle about 150 TPD (Design Capacity).

Based on the waste characteristics, proposed process consists of dry fermentation (Anaerobic digestion), Composting (Aerobic digestion), RDF and Material (Recyclables) recovery facilities. The waste received to the facility will be taken at waste receiving platform after its weightment and inspection process. At the waste receiving platform, bulky / large articles like tyres, boulders etc. will be separated and the same will be sent for further process and the rejects / inert material will be sent for disposal into sanitary landfill. From there the waste will be mechanically segregated using a Trommel / Screens with screen hole size of 100 mm into organic fraction (100

mm in size). The organic fraction of waste will be processed through dry fermentation process to recover bio-gas followed by aerobic composting process in the windrow platform. Upon completion of these anaerobic and aerobic decomposition processes the waste will be routed for coarse segregation / primary screening and segregated into components by size, manual separation of waste components, and separation of ferrous and non-ferrous metals. The segregated materials will be sent for further processing. The final products from the proposed processing plants will be Bio-gas, Compost, Recyclables and RDF. The quantity of the final products resulting from processing facility may vary depending on the characteristics of incoming waste. The quantity of inert / process rejects sent to landfill will be restricted to less than 20%.

The case was presented by the Project Manager, M/s Katni MSW Solutions Private Limited in 273rd SEAC meeting dated 01/04/2016 wherein during deliberations it was informed to the committee by the PP that Municipal Corporation, Katni has entered in to an agreement with M/s Ramky Enviro for the execution of the project. M/s Ramky Enviro has constituted a SPV with the name M/s Katni MSW Solutions Private Limited for the execution of the project.

The case was earlier discussed in the 273rd SEAC meeting dated 01/04/2016 wherein as per the observation of the committee all the formalities for obtaining EC are to be completed by PP or his authorized person only, which in this case is Municipal Corporation, Katni. The M/s Katni MSW Solutions Pvt. Ltd is only a concessioner of the project. The M/s Katni MSW Solutions Pvt. Ltd appearing as PP was unable to produce any document issued by Municipal Corporation, Katni authorizing them to obtain EC on their behalf. The committee is, therefore, of the view that M/s Katni MSW Solutions Pvt. Ltd be asked to submit a clarification to this effect with supporting documents from Municipal Corporation, Katni.

PP vides their letter dated 29/04/2016 has submitted a letter of Commissioner, Katni Municipal Corporation issued on dated 28/04/2016 wherein it is mentioned that “नगर पालिक निगम, कटनी सीमा क्षेत्र एवं बरही, कैमोर, विजयराघवगढ़, एवं सिहोरा नगर पंचायत परिषद् सीमा क्षेत्र में ठोस अपशिष्ट प्रबंधन कार्य हेतु नगर पालिक निगम, कटनी एवं रामकी इन्चायराों इंजी. प्राई. लि., हैदराबाद से दिनांक 07/5/15 को कन्सेशन अनुबंध निष्पादित किया गया है । कन्सेशन अनुबंध के प्रावधान अनुसार एकीकृत ठोस अपशिष्ट प्रबंधन योजना कार्य के निष्पादन हेतु उक्त एजेंसी के द्वारा कटनी एम.एस.डब्ल्यू. मैनेजमेंट प्राई. लि., नाम से एस.पी.व्ही. गठित की गई है, जिससे नोवेशन अनुबंध नगर पालिक निगम, कटनी द्वारा किया गया है । कन्सेशन अनुबंध के प्रावधान अनुसार पर्यावरण स्वीकृति संबंधी कार्यवाही एस.पी.व्ही. द्वारा ही निष्पादित की जाना है । अतः अनुरोध है कि एकीकृत ठोस अपशिष्ट प्रबंधन कटनी को कार्य योजना हेतु अधिकृत कटनी एम.एस.डब्ल्यू. मैनेजमेंट प्राई.लि. को नियमानुसार पर्यावरण स्वीकृत प्रदान किये जाने का कष्ट करें।”

The case was presented by the PP (Mr. Surendra Mishra, Project Engineer, Katni Municipal Corporation), representatives of M/s Katni MSW Solutions Private Limited, Hyderabad and Dr. B Chakradhar of Ramky Enviro, Hyderabad. Committee after deliberations decide that since Commissioner, Katni Municipal Corporation, Katni have authorize M/s Katni MSW Solutions Private Limited, Hyderabad, Standard TOR as prescribed by the MoEF&CC for conducting EIA studies be issued along with following additional TORs:-

1. How the waste would be segregated while protecting the health of the workers so as not to cause adverse effect on them should be discussed in EIA.
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Member

[Dr. R. Maheshwari]
Member

[Dr. R. B. Lal]
Chairman

