

PROCEEDINGS OF 8TH LOCAL AREA COMMITTEE MEETING HELD AT
NISARGA BHAVAN, KSPCB, BANGALORE ON 02.12.2022 FOR JIGANI
& BOMMASANDRA INDUSTRIAL AREA, ANEKAL TALUK, BENGALURU
URBAN DISTRICT

Members Present:

1. Dr. Shashi Shankar, Chairman (HOD. Civil Engineering branch.) XMC/EC
2. Sri. Vasudeva S K, Senior Environmental Officer, KSPCB- Bengaluru South.
3. Sri. Narayana Swamy S .T. Environmental Officer, KSPCB-R.O.Anekal.
4. Sri. C R Manjunath. Environmental Officer, KSPCB-R.O.Sarjapura.
5. Sri. Sunil Kumar T H. Asst. Executive Engineer, KIADB.

Officers Present:

1. Sri. G S Manjunath. Deputy Environmental Officer, KSPCB-R.O.Sarjapura.
2. Smt. Vani A, Deputy Environmental Officer, KSPCB-R.O.Anekal.
3. Ms. Rajashree K M. Environmental Engineer. Jigani TMC.
4. Sri. D B Tejonath. Secretary. Hennagara Grama Panchayath.

From M/s. Saahas Waste Management Pvt Ltd.

1. Sri. Shajimon K R, Program Manager, Saahas Waste Management Pvt. Ltd.,
2. Sri Teja Babu S. Senior Program Manager, Saahas Waste Management Pvt. Ltd.,
3. Sri. Murthy T, Senior Manager, MRF- SZW.

Members Absent:

1. CPCB , Zonal Office, Bengaluru
2. Project Director, Office of Deputy Commissioner, Bengaluru
Urban
3. The Chief Engineer, Department of Minor Irrigation, Bangalore
(South),
4. The Executive Engineer, Zilla Panchayath - Bengaluru Urban
5. President Granite Association, Jigani

Through virtual mode:

CPCB-Delhi

Constitution Details of LAC

Ministry of Environment and Forest, GOI has declared Jigani- Bommasandra Industrial Area as Critically Polluted Areas with CEPI score-70.99. The CPCB has directed to implement revised CEPI and to comply. In this regard, the Board has constituted Local Area Committee

(C.D.V. SHASHI SHANKAR. A.) 02/12/22
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(CHAIRMAN - LAC COMMITTEE)

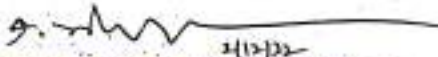
(LAC) to oversee the implementation of action plan pertaining to Critically Polluted Jigani-Bommasandra Industrial Area. The previous 7th LAC meeting held on 23.09.2021. The Board has extended tenure of LAC till 31.03.2023 and directed to submit the proceeding of further LAC meetings. Hence, the 8th LAC meeting pertaining to implementation of action plan w.r.t Jigani-Bommasandra industrial cluster was convened on 02.12.2022 at the Meeting Hall, Central Laboratory-KSPCB, Nisarga Bhavan, KSPCB, Shivanagar, Bengaluru-560079.

Sri. S.T Narayana Swamy, EO-Anekal and Convener of Local Area Committee welcomed all the members of the Local Area committee and Officers present in the meeting and introduced Dr. Shashi Shankar, Head of the Department, Civil Engineering branch, AMC Collage of Engineering as new Chairman of Local Area Committee. The Officers present in the meeting introduced themselves. The previous action Plans proposed are reviewed and the details are as under .

SI no.	Action Plans	Compliance	Directions given
1	Local Area Committee (LAC) Meetings with the industries and other stakeholders to review the action plan for its implementation.	---	
2	Industries to install in-house ETP to treat the trade effluent and to reuse / recycle the treated water. Time Line given upto 28.02.2023.	The EO Anekal informed that, all the major water based industries are having in ^o house Effluent Treatment plant for treatment of effluent generated and are utilizing the treated waste water with in the premises. Some of the units are handing over effluents to CETP after pretreatment.	It was decided by the committee to give time up to 28.02.2023 for the industries those who have not provided in-house ETP.
3	Providing UGD with STP for treatment and disposal of sewage generated by local bodies. TMC Jigni, TMC Bommasandra & CMC Hebbagodi. Time Line given upto 31.03.2023.	The EO, Anekal informed that, with respect to providing sewage Treatment plant in local body limits, and none of the local bodies have completed the action plan and no progress done so far. a) <u>Jigani TMC</u> is under the process of identification of land for construction of 7 MLD STP and presently identified a land near Jigani lake bed and need to check for buffer zone compliance and land is under finalization. The authorities of TMC Bommasandra and CMC-Hebbagodi were absent.	The members present in the meeting expressed that, the land for establishment of STP can be explored in the private layouts situated in their respective ULB limits, where the STPs are already installed. Earlier, the Jigani Gram Panchayath has obtained Consent for establishment from the Board for construction of STP near Hennagara tank, hence the TMC Jigni authorities shall verify the extent of available land in that site and can explore possibility of expansion of capacity of STP.

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			<p>To explore the availability of land in industrial areas or private layouts instead of proposing STP in the lake bed. Directed to submit letter to KIADB for allotment of land in the KIADB area for setting up of STP.</p> <p>Since, the Local body authorities, except Jigani-TMC were absent. The time line was extended to 31.03.2023 and it was decided to call local bodies before SEO-Bengaluru South for technical discussion to verify the status of implementation of Sewage treatment plants.</p>
3a	<p>Solid Waste management by Local bodies and by industries.</p> <p>Time Line given upto 31.03.2023.</p>	<p>The EO informed that, Jigani - TMC is having 100% door to door solid waste collection system. 3 number of tractors, TMC- Bommasandra is having 100% door to door solid waste collection system, 2 number of tractors and 12 number of tippers. CMC-Hebbagodi is having 100% door to door solid waste collection system, 3 no of tractors and 24 number of tippers. The TMCs/CMCs are presently are handing over the segregated solid waste to NGO M/s Sahas Waste Management and wet waste to farmers/piggeries. Further, the common issue with local bodies is that, the TMCs does not have full fledged solid waste processing center and have made only temporary arrangement.</p> <p>The representative from M/s Sahas waste management informed that they are collecting only dry waste from local bodies. But still the waste coverage from local bodies is on lower side and segregation is not 100% in the ULBs.</p> <p>Environmental engineer from Jigani</p>	<p>Chairman of the committee subjected to explore the technology for composting by vertical method due to space constraints.</p> <p>To submit letter to KIADB for allotment of land for providing STP and Solid waste processing facility in the KIADB lands.</p> <p>The Chairman of LAC informed that, the land potential assessment needs to be reviewed from concerned stake holder.</p> <p>Since, the Local body authorities were absent, The time line was revised upto 31.03.2023 and it was decided to call local bodies before SEO-Bengaluru South for technical discussions to verify the status of implementation of Sewage treatment plants.</p>


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		<p>TMC informed that, they are giving household wet waste and market wastes to piggeries.</p> <p>Chairman of the committee informed that, instead of sending the wet waste to piggeries, the wet waste after crushing and mixing with sewage, it can be treated in UASB system; it can be converted into gas which is again very useful.</p> <p>The representative from Jigani TMC informed that, under CSR fund of M/s.Mylan laboratories, the TMC is proposing Methonization plant for wet/market waste. Further informed that, TMC have implemented pipe composting in some of the wards and Planning composting in parks due to non-availability of land.</p> <p>With regard to management of C & D Waste in KIADB industrial area no progress has done so far.</p>	The local bodies to submit proposal for collection, segregation and disposal of Solid waste as per MSW Rules.
4	<p>Rejuvenation of lakes in the impact zone.</p> <p>1.Konasandra Lake to be rejuvenated . 2.Lake water to be monitored by KSPCB</p>	The EO. Anekal informed that, Konasandra lake has been rejuvenated by M/s.Hikal Limited and lake water quality is regularly monitored by KSPCB and the lake water quality is meeting Class D.	Action completed
5	Industries to switch-over to PNG as fuel for boilers from wood fire/ oil fire etc.	The EO Anekal and EO Surjapura informed that, most of the industries switched over to PNG/CNG from FO and wood fired fuel for reduction of Air pollutants SPM/ SOX & NOX.	<p>The RSEO, Bangalore south directed to address letter to industries to switch over to greener fuels within three months who are still using Furnace oil and wood as fuel.</p> <p>Continuous Process</p>
6	<p>Establishment of one new CAAQM station at impact zone.</p> <p>Time Line given upto 31.03.2023.</p>	<p>The EO Anekal informed that the installation of CAAQM station is under completion at OTIS Jigani circle.</p> <p>Only Display Board is yet to be installed.</p>	It was directed to install the display board within one month.
7	Enhancing greenery in industrial area.	The EO Anekal and RSEO Bengaluru South informed that, many industries have taken the	The Chairman suggested encouraging industries for Bamboo plantations in the


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	Time Line given up to 31.03.2023.	plantations in their industry premises more than 10,000 numbers of saplings are planted.	industrial areas. Continuous Process
8	Establishment of collection centers for hazardous and e-waste within industrial areas. Time Line given upto 31.03.2023.	The RO-Anekal informed that, Waste recycler M/s. Earth sense is conducting campaign in the industrial area and also established common collection center. RO Anekal and RO-Sarjapura informed that, the existing e-waste recyclers in the industrial shall be directed to establishment of e-waste collection center after going through EPR obligations as per amended E-waste Management Rules, 2022.	Since, representatives from industrial area association were absent to LAC meeting. It was decided to address letter to Board Office to call the representative from Bommasandra and Jigani Industrial Association before Chairman for discussion on implementation of CETP and other waste management system. A letter has to be addressed to association seeking details on progress made in the industrial area after handing over of 10 Acres of land.
9	Maintenance of roads in good condition and Traffic Management within the industrial areas. Identification of parking area / lane for heavy vehicles. Emission drive for heavy vehicle. Time Line given up to 31.03.2023.	The KIADB authorities informed that, the land of 10 acre of land has been handed over to Bommasandra Industries Area Association for establishment of park and CETP, so that the treated water can be utilized for maintenance of park. The KIADB authorities informed that, the entire maintenance of industrial areas is handed over to Industrial area associations KIADB is not maintaining the industrial areas.	
10	Feasibility study for establishment of CETP for small scale electroplating industries in the industrial areas. Time Line given upto 31.03.2023.		
11	Implementation of Rain Water Harvesting facilities in the industrial areas. Time Line given upto 31.03.2023.	The RO - Aneka and RO- Sarjapura informed that, large and medium category industries have implement rain water harvesting system where ever sufficient site are is available. The same is being perused during regular inspections. The Chairman of LAC informed that, the paved area shall be taken for estimation of runoff and provide	---


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		capacity of collection tanks.	
12	Strengthening the ground and surface water quality monitoring. Time Line given upto 31.03.2023.	RO. Anekal informed that Board is regularly monitoring 7 bore wells in and around the industrial areas every quarterly and 20 nos of lakes every monthly to ascertain the ground and surface water qualities.	Continues process
13	Compliance verification of individual industry w.r.t environmental pollution & preparation of action plan. Time Line given upto 31.03.2023.	RO. Anekal informed that Board is regularly inspection/monitoring industries routine the inspection. Where ever and non-compliances observed action is being taken.	Continues process
14	Fugitive dust emission monitoring & improving pollution control measures at Granite Slurry dumping site.	The slurry from granite cutting and polishing units is being collected in closed tankers and dumped in identified abandoned quarries. The Granite Industries Owners Association is maintaining the system and maintaining records. The representatives of Granite Industries Owners Association were not present for meeting	Continues process

After detailed discussion, the following were concluded as major challenges for the pollution abatement in the industrial area.

1. KIADB/ Industry association to implement CETP to facilitate treatment of effluents from small scale industries.
2. The sample analysis report of lake reveals that the BOD and Coli form bacteria is excess and construed that the Domestic Sewage from adjacent residential is joining lake as there is no STP. Thereby the Local Bodies have to provide UGD and STP on priority (CMC, TMC and GP) to control entry of Sewage into the lakes.
3. The local bodies and Industrial association shall take necessary action to control illegal/ unscientific dumping of municipal waste/solid waste on the road sides and vacant lands.
4. Provide scientific MSW handing facility to avoid illegal dumping of MSW waste in the lake beds.

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5. The industrial association shall take action to control illegal discharge of effluents through tankers and local bodies for illegal discharge of sewage effluents collected from septic tank/soak pits.
6. The ~~lake~~ owners to explore the possibility of rejuvenation and fencing of lakes located adjacent to industrial areas.
7. To conduct awareness on waste management and lake protection by local bodies and industries association in co-ordination with KSPCB.

The meeting was concluded with vote of thanks to all the members and officers present. Special thanks to ^{CEO} ERO Aneta for dedicated work. ^{CEO} KSPCB, Blore-South, RO Sarjapura, ^{CEO} KADB, ^{CEO} JICAN have given immense value addition to IDIS report,

Chairman 2/12/2022

Local Area Committee

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