

KARNATAKA INDUSTRIAL AREAS DEVELOPMENT BOARD

(A Government of Karnataka Undertaking)

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No. KIADB/JDTP/FCN:20456/ 661✓ /2021-22

Date: 13/08/2021

To,

State Level Environment Impact Assessment Authority (SEIAA)

Room No. 706, 7th Floor,

4th Gate, M. S. Building,

Bengaluru -560001, Karnataka.

Sir,

Subject: Submission of Half yearly point wise Environmental Compliance report for all the conditions stipulated in the Environmental Clearance issued with respect to Establishment of Nandur - Kesaratagi Industrial Area, 2nd Phase, KIADB at Nandur - Kesaratagi Villages, Gulbarga Taluk, Gulbarga District, Karnataka to an extent of 198.36 Acres.

- Ref.:**
1. ToR issued by SEIAA on 28th September 2013.
 2. Environmental Public Hearing held on 10th April 2015.
 3. Environmental Clearance reference no.: No. SEIAA: 22: IND: 2013 dated 26th July 2016.
 4. General Condition imposed in the Environmental Clearance for submission of Half yearly Compliance @ Condition No. 10.

With reference to above subject, it is to be informed that SEIAA has issued Environmental Clearance for Establishment of Nandur - Kesaratagi Industrial Area, 2nd Phase, KAIDB at Nandur - Kesaratagi Villages, Gulbarga Taluk, Gulbarga District, Karnataka to an extent of 198.36 Acre, after finalizing the ToR issued dated 28th September 2013 and after conducting the public hearing on 10th April 2015.

In the said Environmental Clearance at the General Condition No. 10, it is stipulated that KIADB has to submit half yearly compliance report to all the conditions stipulated in the EC issued on 26th July 2016.

Hence, the detailed point wise compliance report to all the conditions stipulated in the Environmental Clearance issued to Nandur - Kesaratagi Industrial Area, 2nd Phase is being submitted to SEIAA and the same is attached for your kind perusal and for information.

Kindly acknowledge the same.

Yours faithfully,

Chief Engineer-2
KIADB, Bengaluru

Half Yearly Environmental Compliance Report for all the Conditions Stipulated in the Environmental Clearance issued with respect to Development of Nandur Kesaratagi Industrial Area, 2nd Phase, Gulbarga Taluk, Gulbarga District, Karnataka.

For

KARNATAKA INDUSTRIAL AREAS DEVELOPMENT BOARD (KIADB)

#49, 4th & 5th Floors, 'East Wing', Khanija Bhavan, Race Course Road,
Bengaluru – 560001.

Submission to

**The APCCF, Regional office,
Ministry of Environment, Forest and Climate Change (MoEF&CC)**

Kendriya Sadan, IV Floor, E & F wings, 17th Main Road, Koramangala II Block,
Bangalore- 560 034.

Prepared by

ROBUST MATERIALS TECHNOLOGY PRIVATE LIMITED

(A MoEF&CC, DSIR-Recognized | FSSAI, ISO 45001:2018-Certified | NABL-Accredited | Drugs Control
Department- Approved Company.)

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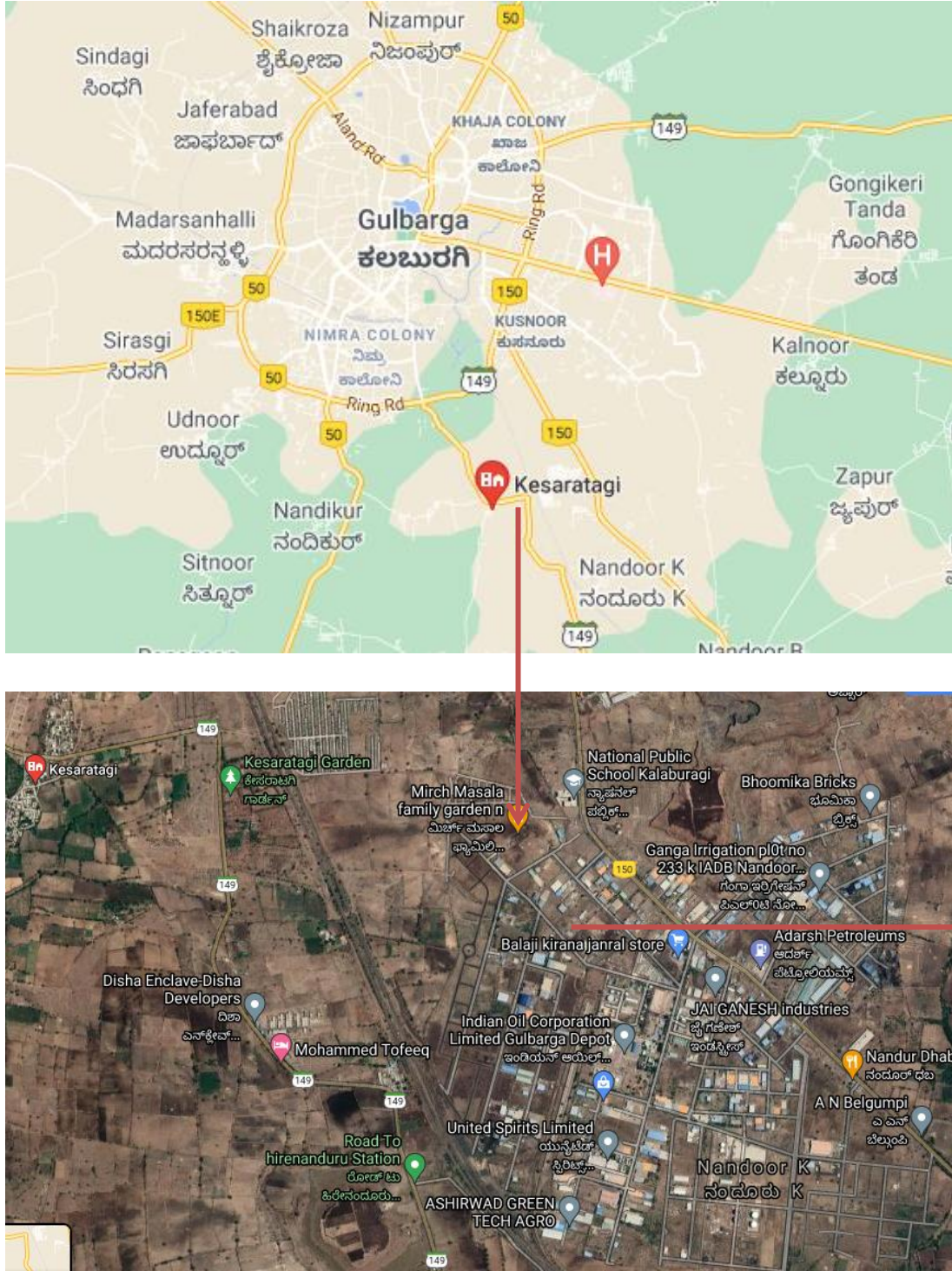
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Annexure-2	“Consent for Establishment” obtained from KSPCB.
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1.0. PROJECT DETAILS:

- 1) Name of the Project:** Development of Nandur- Kesaratagi Industrial Area, 2nd Phase at Nandur- Kesaratagi villages, Gulbarga Taluk, Gulbarga District, Karnataka.
- 2) Environmental Clearance reference no.:** No. SEIAA: 22: IND: 2013 dated 26-07-2016.
- 3) Total Plot Area:** 198.36 Acres (80.15 Ha).
- 4) ToR issued:** Issued by SEIAA on 28th September 2013.
- 5) Public Hearing:** Public Hearing was conducted on 10th April 2015.
- 6) Category of Industries:** Orange and Green category.
- 7) Total Water requirement for the Industrial area:** 1,224 KLD (Domestic: 113 KLD + Industrial: 579 KLD + Green belt: 532 KLD).
- 8) Total Wastewater generation:** 481 KLD (Domestic effluent: 96 KLD + Industrial effluent: 385 KLD).
- 9) Total Power Requirement:** 1 MW will be sourced from GESCOM.
- 10) Project Cost:** Rs. 144.52 Crores.
- 11) Schedule & Category:** 7 (C) & B category.
- 12) Address of the Correspondence:**

Chief Development Officer & Chief Engineer,
Karnataka Industrial Areas Development Board (KIADB),
#49, 4th & 5th floors,
Khanija Bhavan, Race Course road,
Bengaluru- 560 001.

2.0. LOCATION MAP:



Nandur -
Kesaratagi
Industrial
Area, 2nd
Phase.

Fig.1: Map showing Nandur Kesaratagi Industrial Area, 2nd Phase, Dharwad.

3.0. Half Yearly Environmental Compliance Report for all the Conditions Stipulated in the Environmental Clearance issued with respect to Development of Nandur - Kesaratagi Industrial Area, 2nd Phase at Nandur - Kesaratagi Villages, Gulbarga Taluk, Gulbarga District, Karnataka. (Ext-198.36 Acres).

Sl. No.	CONDITIONS STIPULATED IN THE EC	COMPLIANCE STATUS
A	SPECIFIC CONDITIONS:	
I	Construction Phase:	
1	"Consent for Establishment" shall be obtained from Karnataka State Pollution Control Board under Air and Water Act and a copy shall be submitted to the SEIAA, Karnataka before start of any construction at the site.	Noted. Consent for Establishment from Karnataka State Pollution Control Board under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, has been obtained on 30 th January 2018. Copy has been submitted to SEIAA, Karnataka.
2	Set up an Environment Management cell with appropriate lab facility shall be created as the project starts. It shall monitor all necessary parameters and activities during construction and operational phases from day one. The cell also ensures that the cell manages / maintains all the environmental aspects such as sewage treatment, solid waste disposal, maintenance of green belt areas, etc.	Complied. KIADB has already setup an Environment management cell with necessary facilities and qualified personnel to look after the Environmental aspects to maintain all the environmental aspects such as sewage treatment, solid waste disposal, maintenance of green belt area etc.
3	All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase. Sufficient number of toilets/bathrooms shall be provided with required mobile toilets, mobile STP for construction work force.	Complied. All necessary infrastructure facilities and basic sanitary facilities will be provided to the workers in the site during the construction phase of the industrial area.
4	A First Aid room should be provided in each of the three proposal project areas both during construction and operation of the Project.	Noted.
5	Adequate drinking water and sanitary facilities should be provided for construction workers at the site. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.	Noted. All necessary infrastructure facilities and basic sanitary facilities will be provided for all the construction workers during the construction phase. The safe disposal of wastewater and solid wastes generated during the construction phase will be ensured as per the CFE conditions.

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6	Provision shall be made for the housing of construction labourers within the site with all necessary infrastructures and facilities. The housing maybe in the form of temporary structures to be removed after the completion of the project. The facilities shall include the crèche.	Complied. Mostly construction labourers/ workers from the surrounding villages will be hired during the construction phase so that it is not required to provide temporary housing and Temporary Labour camps will be provided with basic sanitary facilities and water supply.
7	Provision should be made for the supply of fuel (kerosene or cooking gas); utensils such as pressure cookers etc. to the labourers during construction phase.	Noted. Required infrastructure facility and fuel will be provided to all the labourers for cooking during construction phase.
8	All the labourers to be engaged for constructions should be screened for health and adequately treated before engaging them to work at the site and detailed report submitted to SEIAA. Safety standards as per National Building Code (NBC) should be ensured.	Noted.
9	For dis-infection of wastewater which is not meant for recycling the for toilet flushing, use ultraviolet radiation and not chlorination. For treated wastewater meant for reuse for toilet flushing, disinfect by using chlorination.	Noted. During the operation phase of the industrial area, individual Industrial units will be advised to adapt these methods wherever possible for water conservation.
10	All the topsoil excavated during the construction activities should be stored for use in horticulture/ landscape development within the project site.	Complied. The topsoil excavated will be used for landscaping, levelling and plantation purposes with in the project site.
11	Disposal of muck construction debris during construction phase should not create any adverse effect on the neighbouring communities and be disposed taking necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.	Noted. The construction debris will be reused / recycled for backfilling and for construction of roads and when necessary the debris is disposed in safe and secure manner as per the Construction and Demolition rules 2016.
12	Soil and ground water samples should be tested at the project site during the construction phase to ascertain that there is no threat to ground water quality by leaching of heavy metals and or other toxic contaminants and the reports should be submitted to SEIAA.	Noted. All necessary precautions will be taken to ensure that there is no contamination of soil and ground water.

13	Construction spoils, including bituminous material and other hazardous materials, must not be allowed to contaminate watercourses and the dump sites for such material must be secured so that they should not leach into the ground water.	Noted. All the construction debris generated during the construction phase will be used for filling up of low lying area. However, all the construction and hazardous waste generated during the operation phase of industries will be directed to store in safe and secure manner after carrying out proper segregation of each category of waste and disposed scientifically, to prevent the contamination of the ground water.
14	The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environment (Protection) Rules prescribed for air and noise emission standards.	Noted. The fuel used in individual DG sets used during construction phase will use low sulphur diesel and it is ensured that air and noise emissions will be within the prescribed norms, so that there was no disturbance created due to operation of DG sets. DG sets with acoustic enclosures only will be used to comply with the norms.
15	The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from Chief Controller of Explosives shall be taken.	Complied. All the required Necessary precautions will be taken to store diesel in safe and secure manner, so that there are no accidents or harm to the environment. Individual industries in the notified area are also advised to take necessary precautions and to obtain clearances from competent authority for the safe storage of diesel.
16	Vehicles hired for bringing construction material to the site should be in good condition and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.	Individual vehicle owners will be directed to keep the hired vehicles in good condition and emission documents will be maintained by the vehicle owner which conforms to the prescribed standards and the workers will be advised to use the vehicles during the non-peak hours as per the guidelines of Honourable High court of Karnataka in WP. No. 1958/2011 (LB-RES-PIL) on 04.12.2012 for different activities involved in construction work.

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17	Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures to reduce air and noise pollution during construction keeping in mind CPCB norms on noise limits.	Contractor & all the Construction workers at the Project site will be advised to take necessary precautions and measures to reduce the noise and air emission levels, contributed during construction and adequate measures were taken to keep the emission within the stipulated standards.
18	Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003.	Noted. As far as possible Fly ash should be used as building material during the construction phase. The individual Industrial units will be directed to strictly follow the provisions of Fly ash notification and use the fly ash products for building and construction purposes.
19	Ready mixed concrete must be used in building construction.	Noted.
20	Storm water control and its re-use as per CGWB and BIS standards for various applications.	Noted.
21	Water demand during construction should be reduced by use of premixed concrete, curing agents and other best practices and only tertiary treated water shall be used for construction as per G.O. No. FEE 188 ENV 2003 dated 14.08.2003.	Noted.
22	No ground water is to be drawn without permission from the Central/ State Ground Water Authority.	Noted. Necessary permission will be obtained by KIADB for digging the new Borewell from Central Ground Water Authority and no ground water will be drawn without permission from the Central/ State Ground Water Authority. Also during the operation phase, industries will also be informed about the same.
23	Separation of grey and black water should be done by the use of dual plumbing line for separation of grey and black water.	Noted and Industries operating in the area will be informed to provide dual plumbing system wherever possible for efficient use of water.
24	Treatment of 100% grey water by decentralized treatment should be done.	Noted. The issue will not arise during the construction phase, during the operation phase, Individual industries will be informed to treat the wastewater generated in the in-house Wastewater treatment plant installed as per the requirement and it is ensured that the treated water shall meet to prescribed norms notified by competent authority.

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25	The provision of Energy Conservation Building code 2006 shall be fully complied with.	Noted and will be adopted wherever possible. During the operation phase, individual industries will be informed before allotting the plots, so as to comply with the Energy conservation measures as per ECBC, 2006 and its amendments.
26	Roof should meet prescriptive requirement as per Energy Conservation Building Code, 2007 by using appropriate thermal insulation material.	Noted and during the operation phase, Individual industries will adopt wherever possible as per ECBC, 2007 and its amendments.
27	Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code, 2007 which is proposed to be mandatory for all air conditioned spaces while it is optional for non-air conditioned spaces by use of appropriate thermal insulation material to fulfil requirement.	Noted and during the operation phase, individual industries will be informed to adopt wherever possible.
28	The Proponent shall obtain the construction material such as stones and jelly etc. only from the approved quarries and other construction material shall also be procured from the authorized agencies/traders.	Complied. Construction materials such as stones, jelly and other construction material will be re obtained from the approved quarries and construction materials shall also be procured from the authorized agencies/traders.
29	The proponent shall obtain approval from the competent authorities for structural safety of the buildings due to earthquake, adequacy of fire fighting equipment's, etc. as per National Building Code (NBC) including protection measures from lightening etc.	Noted and the same will be informed to the industries before allotment of the plots.
30	The project authority shall ensure that no water bodies are polluted due to project activities.	Noted. As suggested in the EC and industrial plots allotted in the Industrial area will be advised to take care of the water bodies as part of their Corporate Environment Responsibility. No alterations of natural drainage pattern will be done during the Project Construction activities. Sufficient buffer as per the zoning regulations of local bodies will be kept around the water bodies to prevent pollution of any water body and required area will be left untouched for natural conservation.
31	Safety standards as per National Building Code (NBC), 2005 should be followed and ensured.	Noted and will be followed.

32	The project Authorities shall ensure that the National Building Code, 2005 is complied with and adhered to.	Noted. Individual industries will also be advised to follow the same as per instructions in NBC, 2005 and its amendments.
33	The project authorities shall not use Kharab land if any, for any purpose and keep available to the general public duly displaying a board as public property. No structure of any kind be put up in the Kharab land arid shall be afforested and maintained as green belt only.	Agreed. No such land is used by KIADB for the proposed project and green belt is developed wherever possible.
34	The authorities should include the condition while issuing plots to the prospective individual industries that they should develop greenbelt of at least 33 % of the plot area.	Noted and greenbelt is developed as per the EC conditions and the condition will be included in the agreement during the allotment of plots for the projects.
35	The industrial units in the industrial area and the associated facilities shall be strictly in accordance with the norms laid down by the Karnataka State Government and KSPCB/CPCB.	Noted. Each industrial unit are advised to comply with the same. All industries shall follow the conditions & norms laid down by the Competent Authority.
36	The project authorities shall strictly adhere to the commitments made with regard to establishment of CSTP/CETP, buffer zone, green belt, conditions to be incorporated in the lease document while allotting plots to individual industries, environment safety aspects etc.	Agreed and complied as suggested with regard to establishment of STP/CETP, buffer zone, green belt. Each industrial unit was informed about the conditions with laid down with respect to Environment safety and protection and the conditions are incorporated in the lease document as well during the allotment of plots.
37	The project Authorities shall ensure the time specification prescribed by the Honourable High Court of Karnataka in WP. No. 1958/2011 (LB - RES-PIL) on 04.12.2012 for different activities involved in construction work.	Noted.
38	The existing water body, canals and rajakaluve and other drainage and water bound structures if any shall be retained unaltered with due buffer zone of 15 meter around maintained under tree cover.	Noted. No alterations are made in case of existing natural drainage patterns, water bodies, rajakaluve etc. and the buffer zone are provided in the required areas.

39	The project authorities shall leave 30 mtrs buffer from the boundary of lake and 15 meters on either side of the channel, nala and other water bodies if any and this shall be free from any permanent structures. The buffer so maintained shall be planted with indigenous tree species such as Neem, Akash Mallige, Mahagoni, Honge, Kadamba Ficus, etc. and maintained as green belt.	Noted. It is proposed to develop 15 m green belt all along the boundary of the industrial area. During the construction and development of the industrial area, plantation will be undertaken in a phased manner. Green belt is developed with the local tree and shrub species. Avenue plantation has done along the adjoined roads of the project site. Also individual industrial units are also advised to maintain green belt for 33% of the allotted plot area as applicable.
40	The natural sloping pattern of the project site other than the area "excavated for the purpose of construction of proposed building shall remain unaltered. and the natural hydrology of the area be maintained as it is to ensure natural flow of storm water	Noted. No alterations of natural drainage pattern will be done during the Project Construction activities.
41	Lakes and other water bodies within and/or at the vicinity of the project area shall be protected and conserved.	Noted. All the required protective/conservative measures are taken so that there will be no harm to the natural environment which are existing before the project.
42	The project Authority will undertake all relevant measures, as indicated during the public hearing for improving the Socio-economic conditions of the surrounding area.	Noted. The suggestions/observations and concerns made during the public hearing will be duly considered and all required measures are being taken to improve the socio-economic conditions of the project and surrounding area.
43	The Project Authority shall allow only the Orange and Green category industries and strictly as proposed in the layout plan.	Noted.. Any modifications with respect to allotment of red category industries to the EC obtained in industrial area will only be done after obtaining necessary approvals from the Competent Authority.
II	Operation Phase	
1	The Project Authority shall implement all the recommendations made in the Environmental Impact Assessment /EMP report and risk assessment report.	Noted and complied with all the recommendations made in the Environmental Management Plan and applicable mitigation measures are adapted wherever required.

2	<p>The installation of the Sewage Treatment Plant (CSTP)/ Common Effluent Treatment Plant (CETP) shall be got certified by an independent expert and a report in this regard should be submitted to the SEIAA before the project is commissioned for operation. Treated effluent emanating from CSTP/ CETP shall be recycled/ reused to the maximum extent possible. Treatment of 100% grey water by decentralized treatment should be done. Discharge of treated sewage shall conform to the norms & standards of the Karnataka State Pollution Control Board. Treated sewage should be used for flushing, gardening, etc. as proposed. Necessary measures should be made to mitigate the odour problem from CSTP/ CETP.</p>	<p>Noted. ETP and STP of required capacity will be provided in the proposed industrial area. Required land area has already been allotted for establishment of ETP and STP at the site. At present as there are limited number of industries which are generating waste water. Once industrial area is completely occupied by all the industries and there is a sufficient load, the treatment plants will be installed. The industries transporting wastewater to CETP is also less as individual industries have agreed to install in-house STP/ ETP to treat the wastewater generated within the industry. The industries are also advised to adapt Zero Liquid discharge technology wherever possible/ applicable for efficient treatment of wastewater, so that the treated water conform to the norms and standards prescribed by KSPCB/CPCB and also so that there is zero discharge of effluent from the industry & 100% reuse/recycle of the treated water.</p>
3	<p>The solid waste generated should be properly collected and segregated. Wet garbage should be composted and dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.</p>	<p>Noted. During the construction phase, all the solid wastes generated from construction activity will be collected systematically in a safe and secured manner and will be disposed to authorized vendors/ disposers. Industries are informed to follow the guidelines issued by KSPCB/ CPCB or the local authority.</p>

4	Diesel power generating sets proposed as source of back-up power for elevators and common area illumination during operation phase should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG-sets. Use low sulphur diesel. The location of the DG sets may be decided with in consultation with Karnataka State Pollution Control Board.	Noted. The fuel used in individual DG sets during construction phase will have low sulphur content and it will be ensured that the air and noise emissions will be within the prescribed norms, so that there was no disturbance created due to use of DG sets. The industries are advised to install Pollution Control Equipment's wherever necessary and acoustic enclosures are provided to DG sets to reduce the environmental pollution (Air and Noise) as per the guidelines of KSPCB/ CPCB. Stack height for DG sets are provided as per CPCB/ KSPCB norms.
5	Noise should be controlled to ensure that it does not exceed the prescribed standards. During night time the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.	Noted. Each individual industry will be informed to maintain the noise levels as per the CPCB/KSPCB norms.
6	The project proponent shall ensure development of a minimum of 33% of the project area which shall include the buffer zone and green belt developed by individual industries. The project Authority may undertake compensatory green belt development through avenue plantation in the adjoining roads and in the civic amenity area if there is any shortfall within the project site in the unavoidable circumstances.	Agreed. It is proposed to develop 15 m green belt all along the boundary of the industrial area. Avenue plantation in the adjoining roads can also be seen in the project site and the individual industries have also been advised to do the same in the allotted plot area. Also individual industrial units are also advised to maintain green belt for 33% of the allotted plot area as applicable.
7	Weep holes in the compound walls shall be provided to ensure natural drainage of rain water in the catchment area during the monsoon period.	Noted and weep holes will be provided as suggested. Individual industries are advised to do the same.
8	Rain water harvesting for roof run- off and surface run- off, as plan submitted should be implemented. Before recharging the surface run off, pre-treatment must be done to remove suspended matter, oil and grease. The borewell for rainwater recharging should be kept at least 5 mts. above the highest ground water table.	Noted. The project area and the industries proposed to operate within the area will be informed to provide with rain water harvesting systems and the industries will be advised to adapt pre-treatment facility as per the guidelines set by KSPCB/CPCB. The rainwater recharge well of sufficient capacity will be dug as per the guidelines.

9	The ground water level and its quality should be monitored regularly in consultation with Central Ground Water Authority.	Noted. Necessary approvals will be obtained from competent authority and CGWA guidelines will be followed to monitor ground water level and its quality. No permission will be provided by KIADB for new Borewell drilling without the prior approval from Central Ground Water Authority.
10	Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.	Noted. Depending on the roadways surrounding the project site and traffic conditions in the proposed area, entry and exit points have been provided and the roads inside the project area will be well built to avoid any kind of traffic congestion. Individual industries are strictly advised to provide parking facilities only in the allotted plot areas and not to use public space.
11	A Report on the energy conservation measures confirming to energy conservation norms finalise by Bureau of Energy Efficiency should be prepared incorporating details about building materials & technology, R & U Factors etc. and submit to the SEIAA, Karnataka in three months' time.	Noted.
12	Energy conservation measures- like installation of CFLs/TFLs for the lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. Use CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the extent possible.	Energy conservation measures will be adopted wherever possible. Necessary safety measures will be taken for the disposal of CFLs and TFLs or any type of waste which can lead to contamination. Solar panels will be used wherever possible. Industries units in the project area will also be advised to do the same.
13	Adequate measures should be taken to prevent odour problem from solid waste processing plant and CSTP/CETP.	Noted and will be followed. Necessary steps will be taken to prevent odour problem. Individual industries will also be informed to do the same.
14	The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.	Noted and complied as suggested. Individual industries are also advised to do the same.

15	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. All transportation of Hazardous Chemicals shall be as per the MVA, 1989. Authorization from the KSPCB shall be obtained for collection, treatment, storage, and disposal of hazardous wastes.	Noted. Necessary approvals from the competent authority will be obtained for the safe disposal of hazardous waste as per the applicable rules and regulations.
16	The project authorities must strictly comply with rules and regulations with regard to handling and disposal of hazardous wastes in accordance with the Hazardous and other Wastes (Management and Trans boundary Movement) Rules, 2016. Authorization from the KSPCB must be obtained for collection, treatment, storage and disposal of Hazardous wastes.	Noted. Necessary authorization will be obtained by individual industries and they will be advised to strictly follow the rules and regulations made under the Hazardous and Other Wastes (Management and Trans-Boundary Movement) Rules, 2016 & Solid Waste Management Rules, 2016. Hazardous wastes will be collected in safe and secure manner and will be disposed to authorized disposers/ recyclers /vendors etc. for safe disposal.
17	Application of solar energy should be incorporated for illumination of common areas, lighting for gardens and street lighting in addition to provision of solar water heating. A hybrid system or fully solar system for lighting and heating should be provided. Details in this regard should be submitted to the SEIAA.	Noted. Solar energy will be used wherever possible for lighting and heating systems and the industries established in the project area will also be advised to use solar energy wherever applicable/possible.
18	The individual industries shall take all necessary clearances including Environment clearance in accordance with the law. The project Authority shall incorporate such condition in the lease/ sale deed/ Agreement.	Noted. Industries will be informed regarding the said condition and the condition will be mentioned in the lease or sale deed while allotting plots to the proposed projects.
19	The project authorities shall bifurcate the industrial plots and residential plots, if any with a thick and tall vegetative barrier green belt.	Noted.
20	The project Authority shall incorporate a condition in the prospective lease/sale deed/Agreement with individual industries that they also shall abide by the conditions of this Environmental Clearance.	Noted.

B	GENERAL CONIDITIONS:	
1	A separate Environment Management cell with qualified staff set up for implementation of the stipulated environmental safeguards.	Complied. KIADB has already setup an Environment management cell with necessary facilities and qualified personnel to look after the Environmental aspects to ensure that there is no damage to the Environment.
2	The Project authorities shall strictly adhere to the stipulations made by Karnataka State Pollution Control Board (KSPCB).	Noted. All stipulations made by the KSPCB shall be strictly followed.
3	At no time, the emissions shall exceed the prescribed limits. In the event of failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.	Noted. The emissions will be kept within the limits by installing necessary pollution control systems wherever applicable. The industrial units will also be advised to follow the same. If there are any failures in the operational efficiency of the pollution control system. Necessary steps will be immediately taken to rectify and sort out the problem.
4	No further expansion or modifications in the plant shall be carried out without prior approval of the SEIAA/ Ministry of Environment and Forests as the case may be. In case of deviations or alterations in the project proposal from those submitted to this Authority for clearance, a fresh reference shall be made to the Authority to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Noted. Prior approval will be obtained from the competent authority before any modification or expansion of the project.
5	The overall noise levels in and around the plant area shall 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 shall conform to the standards prescribed under Environment (Protection) Act, Rules, 1989 viz. dBA (daytime) and 70 dBA (night time).	Noted. Each industry will be informed to maintain the noise levels as per the CPCB/KSPCB norms. Noise control measures will be adapted wherever applicable.
6	The project proponent shall also comply with all the environmental protection measures and safeguards as per the information provided.	Agreed. All protection measures and steps will be taken for Environmental protection.

7	The implementation of the project vis-a-vis environmental action plans shall be monitored by MoEF, Regional Office at Bangalore / KSPCB/ CPCB and the Department of Environment & Ecology, Bangalore. A six monthly compliance status report shall be submitted to monitoring agencies.	Noted.
8	The project proponent shall inform the public that the project has been accorded with environmental clearance by the SEIAA and copies of the clearance letter are available with the KSPCB and may also be seen at Website of the State Ecology and Environment department at http:// seiaa.kar.nic.in . http://envronmentclearance.nic.in . This shall 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 shall be forwarded to the Regional Office of MoEF at Bangalore / KSPCB/ CPCB/ the Department of Ecology & Environment, Government of Karnataka, Bangalore and Regional Director (Environment), Department of Ecology & Environment, Government of Karnataka, Kalaburgi.	Noted and complied.
9	The project authorities shall inform the Regional Office of MoEF at Bangalore / KSPCB/ CPCB/ the Department of Ecology & Environment, Government of Karnataka, Bangalore and Regional Director (Environment), Department of Ecology & Environment, Government of Karnataka, Kalaburgi, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	Noted and will be informed as suggested.
10	The SEIAA, Karnataka may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted.
11	The SEIAA, Karnataka reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner will implement these conditions.	Noted.

12	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 and other Wastes (Management and Trans boundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and rules.	Noted.
13	The issue of Environment Clearance doesn't confer any right to the project proponent to operate/ run the project without obtaining statutory clearances/ sanctions from all other concerned Authorities.	Noted. All necessary approvals will be obtained from the concerned authorities before the operation of the project and the same shall be informed to the industrial units.
14	Concealing factual data or submission of false/ fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environmental (protection) Act, 1986.	Noted.
15	Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted.
16	Officials from the Department of Environment and Ecology, Bangalore/ Regional office of MoEF, Bangalore who would be monitoring the implementation of Environmental safeguards should be given full cooperation, facilities and documents / data by the project proponents during their inspection. A complete set of at the documents submitted to MoEF / SEIAA should be forwarded to Regional office of MoEF at Bangalore / KSPCB/CPCB/ the Department of Ecology and Environment, Government of Karnataka, Kalaburgi.	Noted. Required Full cooperation, facilities & all the necessary documents will be provided during the inspection and whenever required by the concerned authorities. As suggested complete set of all the required documents has been submitted to Regional Office- MoEF&CC at Bangalore.
17	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this authority.	Noted. Any changes in the project approved, will be made as a fresh appraisal in front of the Competent Authority.
18	The authority reserves the right to add additional safeguard measures subsequently, if found necessary and to take action including revoking of the environmental clearance under the provisions of the Environment (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.	Noted.

19	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponents from the respective competent authorities.	Noted. All the necessary approvals and clearances applicable will be obtained from the concerned authorities. Industrial units in the project area are also strictly informed to do the same before starting any kind of activities.
20	These stipulations would be enforced among others under the provisions of water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) act, 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) act, 1991 and EIA notification, 2006.	Noted.
21	Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent if it is found that construction of the project has been started without obtaining environmental clearance.	Noted. No such activities will be carried out without the prior approval from the concerned authorities.

4.0. Environmental Monitoring Details:

The MoEF&CC/ SEIAA has made mandatory to submit Six- monthly Compliance reports for everyone who has obtained Environmental Clearance. For this purpose of preparing Compliance report and Environmental Monitoring, the KIADB has provided the work to M/s. Robust Materials Technology Pvt. Ltd. to carry out Environmental Monitoring for Industrial Areas.

4.1. Ambient Air Quality Monitoring:

The Ambient Air Quality Monitoring is carried out for parameters such as Respirable Particulate Matter (PM 10), Fine Particulate Matter (PM 2.5), Sulphur Dioxide (SO₂) and Nitrogen Dioxide (NO₂) at 8 Locations and the detailed reports are attached as **Annexure-4**.

The monitoring results reveal the following pollutant concentration with respect to PM, SO_x and NO_x:

Sl. No.	Parameters	Limits (As Per NAAQS) for 24hrs	Minimum Value	Maximum Value	Average Value
1	Particulate Matter PM ₁₀ , µg/m ³	100	58.9	64.7	61.6
2	Particulate Matter PM _{2.5} , µg/m ³	60	18.6	24.9	22.1
3	Nitrogen Dioxide NO ₂ , µg/m ³	80	16.1	21.1	18.8
4	Sulphur dioxide as SO ₂ , µg/m ³	80	9.5	14.3	11.3

The above table reveals that all the monitored values are within the standards prescribed under National AAQM Standards notified on 18.09.2002.

4.2. Ambient Noise Level Monitoring:

The monitoring results reveal the following ambient noise concentration at different locations:

Sl. No.	Locations	Noise level in dB(A) Leq		CPCB Standard	
		Day	Night	Lday (Ld)	LNight (Ln)
1	Nandoor K -Project Site	63.3	51.8	55	45
2	Near Kesaratagi Tanda	54.2	44.7	55	45
3	Near Nandikur Tanda	54.1	44.2	55	45
4	Near Kusnoor Village	53.1	43.6	75	70
5	Near Zapur Village	51.9	42.8	75	70
6	Near Hire Nandoor Village	52.4	43.8	55	45
7	Near Martur Village	52.1	43.2	55	45
8	Near Sitnoor Layout	53	43.8	55	45

Note: Noise Level Stipulated by KSPCB for Residential area is 55 dB (A) (During day time) and 45 dB (A) (During night time), For Commercial area 65 dB (A) (During day time) and 55 dB (A) (During night time), For Industrial area 75 dB (A) (During day time) and 70 dB (A) (During night time).

The above table reveals that all the monitored values are within the standards prescribed under Noise Rules, 2000.

Ambient Noise Level is monitored and the detailed reports are attached as **Annexure-5**.

4.3. Water Quality Monitoring:

Water quality in the industrial area is monitored. The Ground and Surface water samples are collected and analyzed for water quality parameters. The Compiled test reports are attached as **Annexure-6**.

The water quality monitoring was carried out at 8 bore wells (different villages) spread across the study area and the following table gives the details of Maximum, Minimum and Average concentrations of different water quality parameters and the analysis reports reveals that all the parameters are well within the standards prescribed under IS 10500.

Sl. No.	Parameters	Minimum Value	Maximum Value	Average Value
1	Color (hazen units)	<2.0	<2.0	<2.0
2	Odour	Agreeable	Agreeable	Agreeable
3	pH Value	6.92	7.4	7.1
4	Turbidity, NTU	0.3	4.5	0.9
5	Chloride as Cl, mg/L	142.9	463.2	211.3
6	Total hardness as CaCO ₃ , mg/L	226.6	537.7	365.5
7	Calcium as Ca, mg/L	55.2	108.5	88.7
8	Magnesium as Mg, mg/L	21.6	64.73	34.9
9	Total dissolved Solids, mg/L	687	1342	844.0
10	Sulphate as SO ₄ , mg/L	54	128	78.6
11	Nitrate as NO ₃ , mg/L	8.6	28.4	13.6
12	Fluoride as F, mg/L	0.4	0.8	0.6
13	Iron as Fe, mg/L	0.2	0.3	0.2
14	Lead as Pb, mg/L	BDL	BDL	BDL
15	Copper as Cu, mg/L	BDL	BDL	BDL
16	Zinc as Zn, mg/L	0.12	0.36	0.20
17	Chromium as Cr, mg/L	BDL	BDL	BDL
18	Dissolved oxygen, mg/L	1.98	4.1	2.99

4.4. Soil Quality Monitoring:

Soil quality in the industrial area is monitored. The soil samples are collected and analysed for different parameters. The compiled test reports are attached as **Annexure-7**.

The soil quality monitoring was carried out at 8 locations (different villages) spread across the study area and the following table gives the details of Maximum, Minimum and Average concentrations of different soil quality parameters and the analysis reports reveals that all the parameters are well within the standards prescribed.

Sl. No.	Soil Parameters	Minimum Value	Maximum Value	Average Value
1	pH (20% Suspension)	7.26	8.24	7.9
2	Conductivity, $\mu\text{mhos/cm}$	46.0	110.0	70.9
3	Chloride as Cl, mg/Kg	167.9	340.4	254.3
4	Moisture, %	3.2	5.6	4.2
5	Organic Matter, %	1.0	1.78	1.4
6	Calcium as Ca, mg/Kg	1018.7	1771.9	1305.0
7	Magnesium Mg, mg/Kg	500.4	962.4	739.2
8	Colour	Brown	Brown	Brown
9	Sulphur as S, mg/Kg	1.54	16.12	5.7
10	Nitrogen as N, %	0.006	0.01	0.008
11	Phosphorous as P, mg/Kg	4.05	7.52	5.2
12	Potassium as K, mg/Kg	43.9	282.9	158.2
13	Copper as Cu, mg/Kg	2.96	17.5	9.0
14	Chromium as Cr, mg/Kg	7.6	19.63	12.9
15	Zinc as Zn, mg/Kg	7.7	14.9	11.3
16	Lead as Pb, mg/Kg	3.9	7.54	6.1
17	Nickel as Ni, mg/Kg	0.09	0.9	0.5
18	Cadmium as Cd, mg/Kg	<0.1	<0.1	<0.1



State Level Environment Impact Assessment Authority-Karnataka

(Constituted by MoEF, Government of India, under section 3(3) of E(P) Act, 1986)

No. SEIAA 22 IND 2013

Date: 26-07-2016

To,

CEO & Executive Member
Karnataka Industrial Area Development Board (KIADB)
4th & 5th Floors, Khanija Bhavan,
East wing, No.49, Race Course Road,
Bengaluru-560 001

Sir,

Sub: Establishment of Nandur- Kesartagi Industrial Area 2nd
Phase at Nandur- Kesartagi Villages, Gulbarga Taluk &
District by Karnataka Industrial Area Development
Board (KIADB) - Issue of Environmental Clearance- reg.

This has reference to your applications dated 30th July 2013 addressed to SEIAA, Karnataka and subsequent letters addressed to SEIAA/SEAC, Karnataka seeking prior environmental clearance for the above project under the EIA Notification, 2006. The proposal has been appraised as per prescribed procedure in the light of provisions under the EIA Notification, 2006 on the basis of the mandatory documents enclosed with the application viz., the Application in Form 1, prefeasibility report, EIA Report and the additional clarifications furnished in response to the observations of the State Expert Appraisal Committee (SEAC), Karnataka. SEAC has recommended for issue of Environmental Clearance in its meetings held on 27th & 28th January 2016.

2. It is, inter-alia, noted that Karnataka Industrial Area Development Board (KIADB), have proposed for establishment of Nandur- Kesartagi Industrial Area 2nd Phase for establishment of Orange and Green category industries on a Total plot area of 198.36 Acres (80.15 Ha) [Details of the land is enclosed as Annexure-I]. Out of 198.36 Acres, 120.087 Acres area is for Industrial area, 3.868 Acres area is for Commercial area, 18.705 Acres area is for Parks, 6.645 Acres area is for Buffer, 9.997 Acres area is for Amenities & utilities, 0.515 Acres area is earmarked for Storm water drain, 9.005 Acres area is for Parking and 29.535 Acre area is earmarked for Roads [lay out plan is enclosed as Annexure-II]. Total water requirement for the industrial area is 1224 KLD (Domestic: 113 KLD + Industrial: 579 KLD+ Green belt: 532 KLD) will be met

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from Bore well (Ground water). Total waste water generated is 481 KLD (Domestic effluent: 96 KLD + Industrial effluent: 385 KLD). Domestic waste water will be treated in Common Sewage Treatment Plant of 1 No X 150 KLD and industrial effluent will be treated in Common Effluent Treatment Plant of 2 No's X 250 KLD capacity. It is proposed to install DG set of capacity 1 No X 250KVA for emergency power back up. Total power requirement is 1MW will be sourced from GESCOM. The project cost is Rs.144.52 Crores.

3. The project proposal has been considered by SEAC on 6th & 7th September 2013 and ToRs were issued vide letter dated 28th September 2013 for conducting Environment Impact Assessment Study. The EIA has been conducted by M/s. Ramky Enviro Engineers Limited, "Ramky House", 6-3-1089/G/16, Gulmohar Avenue, 1st Floor, Rajbhavan Road, Somajiguda, Hyderabad-500 082 who are accredited from NABET vide No. NABET/EIA/RA005 rev.01/010 Dated 13th June 2014. Public consultation was held on 10th April 2015. The final EIA report was submitted on 29th September 2015.

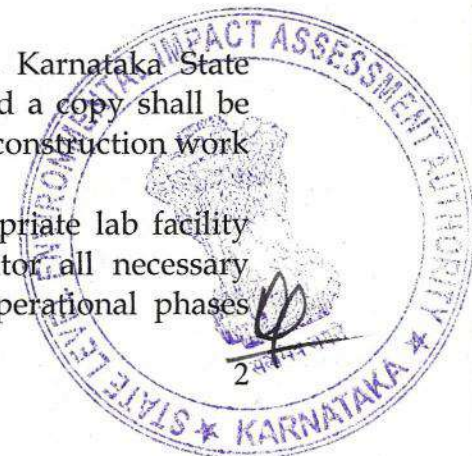
4. Based on the information submitted by you and presentation made by Environmental consultant, M/s. Ramky Enviro Engineers Limited, "Ramky House", 6-3-1089/G/16, Gulmohar Avenue, 1st Floor, Rajbhavan Road, Somajiguda, Hyderabad-500 082. The State Level Expert Appraisal Committee (SEAC) examined the proposal in the meeting held on 11th, 12th & 13th January 2016 and 27th & 28th January 2016 and has recommended for issue of Environmental Clearance.

5. The SEIAA Karnataka has considered the project in its meeting held on 8th February 2016 and after due consideration of the relevant documents submitted by the project proponent and additional clarifications furnished in response to its observations and the appraisal and recommendation of the SEAC and decided to accord Environmental Clearance in accordance with the provisions of Environmental Impact Assessment Notification-2006 and its subsequent amendments, subject to strict compliance of the following terms and conditions:-

A- SPECIFIC CONDITIONS

I. Construction Phase:

1. "Consent for Establishment" shall be obtained from Karnataka State Pollution Control Board under Air and Water Act and a copy shall be submitted to the SEIAA, Karnataka before start of any construction work at the site.
2. Set up an environment management cell with appropriate lab facility shall be created as the project starts. It shall monitor all necessary parameters and activities during construction and operational phases



from day one. The cell also ensures that the cell manages / maintains all the environmental aspects such as sewage treatment, solid waste disposal, maintenance of green belt areas, etc.

3. All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase. Sufficient number of toilets/bathrooms shall be provided with required mobile toilets, mobile STP for construction work force.
4. A First Aid Room should be provided in the Project both during construction and operation of the project.
5. Adequate drinking water and sanitary facilities should be provided for construction workers at the site. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.
6. Provision shall be made for the housing of construction labourers within the site with all necessary infrastructures. The housing may be in the form of temporary structures to be removed after the completion of the project. The facilities shall include the crèche.
7. Provision should be made for the supply of fuel (kerosene or cooking gas); utensils such as pressure cookers etc. to the labourers during construction phase.
8. All the labourers to be engaged for construction should be screened for health and adequately treated before engaging them to work at the site and detailed report submitted to SEIAA. Safety standards as per National Building Code (NBC) should be ensured.
9. For dis-infection of wastewater which is not meant for recycling for toilet flushing, use ultra violet radiation and not chlorination. For treated wastewater meant for reuse for toilet flushing, disinfect by using chlorination.
10. All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.
11. Disposal of muck, construction debris during construction phase should not create any adverse effect on the neighbouring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
12. Soil and ground water samples should be tested at the project site during the construction phase to ascertain that there is no threat to ground water quality by leaching of heavy metals and or other toxic contaminants and report submitted to SEIAA.
13. Construction spoils, including bituminous material and other hazardous materials, must not be allowed to contaminate watercourses and the dumpsites for such material must be secured so that they should not leach into the ground water.
14. The diesel generator sets to be used during construction phase should be of low sulphur diesel type and should conform to E (P) Rules prescribed for air and noise emission standards.

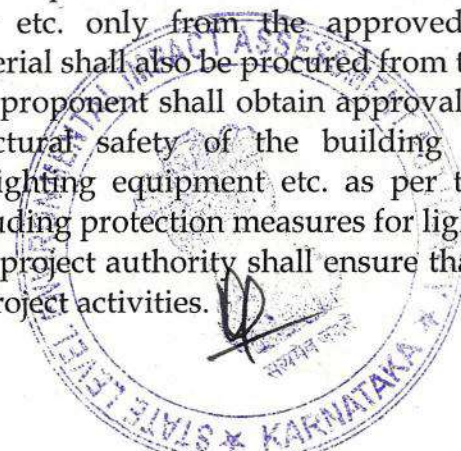
State Level Environment Impact Assessment Authority-Karnataka

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15. The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from Chief Controller of Explosives shall be taken.
16. Vehicles hired for bringing construction material to the site should be in good condition and should conform to the applicable air and noise emission standards and should be operated only during non-peak hours.
17. Ambient noise levels should conform to the residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures to reduce air and noise pollution during construction keeping in mind CPCB norms on noise limits.
18. Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September 1999 and amended as on August 2003.
19. Ready mixed concrete must be used in building construction.
20. Storm water control and its re-use as per CGWB and BIS standards for various applications.
21. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices and only tertiary treated water shall be used for construction as per G.O. No. FEE 188 ENV 2003 dated 14.08.2003.
22. No ground water is to be drawn without permission from the Central/State Ground Water Authority.
23. Separation of grey and black water should be done by the use of dual plumbing line for separation of grey and black water.
24. Treatment of 100% grey water by decentralized treatment should be done.
25. The provision of Energy Conservation Building code, 2006 shall be fully complied with.
26. Roof should meet prescriptive requirement as per Energy Conservation Building Code, 2007 by using appropriate thermal insulation material.
27. Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code, 2007 which is proposed to be mandatory for all air conditioned spaces while it is optional for non-air conditioned spaces by use of appropriate thermal insulation material to fulfil requirement.
28. The Proponent shall obtain the construction material such as stones and jelly etc. only from the approved quarries and other construction material shall also be procured from the authorized agencies/traders.
29. The proponent shall obtain approval from the competent authorities for structural safety of the building due to earthquake, adequacy of firefighting equipment etc. as per the National Building Code (NBC) including protection measures for lightening etc.
30. The project authority shall ensure that no water bodies are polluted due to project activities.



31. Safety standards as per National Building Code (NBC), 2005 should be followed and ensured.
32. The project Authorities shall ensure that the National Building Code, 2005 is complied with and adhered to.
33. The project authorities shall not use Kharab land if any, for any purpose and keep available to the general public duly displaying a board as public property. No structure of any kind be put up in the Kharab land and shall be afforested and maintained as green belt only.
34. The authorities should include the condition while issuing plots to the prospective individual industries that they should develop greenbelt of at least 33 % of the plot area.
35. The industrial units in the industrial area and the associated facilities shall be strictly in accordance with the norms laid down by the Karnataka State Government and KSPCB/CPCB.
36. The project authorities shall strictly adhere to the commitments made with regard to establishment of CSTP/CETP, buffer zone, green belt, conditions to be incorporated in the lease document while allotting plots to individual industries, environment safety aspects etc.
37. The project Authorities shall ensure the time specification prescribed by the Honourable High Court of Karnataka in WP. No. 1958/2011 (LB - RES - PIL) on 04.12.2012 for different activities involved in construction work.
38. The existing water body, canals and rajakaluve and other drainage and water bound structures if any shall be retained unaltered with due buffer zone of 15 meter around maintained under tree cover.
39. The project authorities shall leave 30 mtrs buffer from the boundary of lake and 15 meters on either side of the channel / nala and other water bodies if any and this shall be free from any permanent structures. The buffer so maintained shall be planted with indigenous tree species such as Neem, Akash Mallige, Mahagoni, Honge, Kadamba Ficus, etc. and maintained as green belt.
40. The natural sloping pattern of the project site other than the area excavated for the purpose of construction of proposed building shall remain unaltered and the natural hydrology of the area be maintained as it is to ensure natural flow of storm water
41. Lakes and other water bodies within and/or at the vicinity of the project area shall be protected and conserved.
42. The project Authority will undertake all relevant measures, as indicated during the Public Hearing for improving the Socio-economic conditions of the surrounding area.
43. The project Authority shall allow only the Orange and Green category industries and strictly as proposed in the layout plan.

II. Operation Phase.

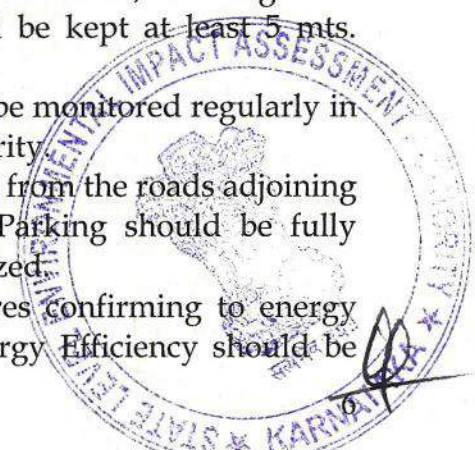
1. The project Authority shall implement all the recommendations made in the Environmental Impact Assessment / EMP report and risk assessment report.

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2. The installation of the Common Sewage Treatment Plant (CSTP) / Common Effluent Treatment Plant (CETP) shall be got certified by an independent expert and a report in this regard should be submitted to the SEIAA before the project is commissioned for operation. Treated effluent emanating from CSTP/CETP shall be recycled/reused to the maximum extent possible. Treatment of 100% grey water by decentralized treatment should be done. Discharge of treated sewage shall conform to the norms & standards of the Karnataka State Pollution Control Board. Treated sewage should be used for flushing, gardening, etc. as proposed. Necessary measures should be made to mitigate the odour problem from CSTP/CETP.
3. The solid waste generated should be properly collected and segregated. Wet garbage should be composted and dry / inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.
4. Diesel power generating sets proposed as source of backup power for elevators and common area illumination during operation phase should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use low sulphur diesel. The location of the DG sets may be decided with in consultation with Karnataka State Pollution Control Board.
5. Noise should be controlled to ensure that it does not exceed the prescribed standards. During night time the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.
6. The project proponent shall ensure development of a minimum of 33% of the project area which shall include the buffer zone and green belt developed by individual industries. The project Authority may undertake compensatory green belt development through avenue plantation in the adjoining roads and in the civic amenity area if there is any shortfall within the project site in the unavoidable circumstances.
7. Weep holes in the compound walls shall be provided to ensure natural drainage of rain water in the catchment area during the monsoon period.
8. Rain water harvesting for roof run- off and surface run- off, as plan submitted should be implemented. Before recharging the surface run off, pre-treatment must be done to remove suspended matter, oil and grease. The borewell for rainwater recharging should be kept at least 5 mts. above the highest ground water table.
9. The ground water level and its quality should be monitored regularly in consultation with Central Ground Water Authority.
10. Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.
11. A Report on the energy conservation measures confirming to energy conservation norms finalize by Bureau of Energy Efficiency should be

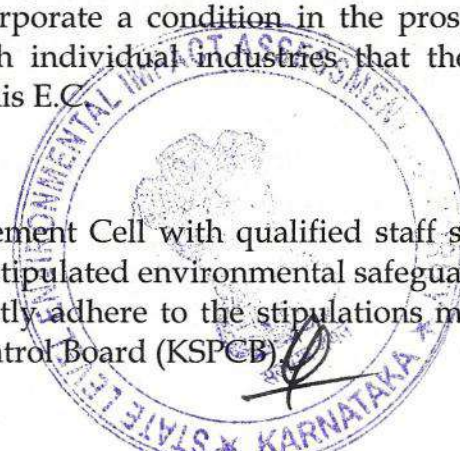


prepared incorporating details about building materials & technology, R & U Factors etc and submit to the SEIAA, Karnataka in three months time.

12. Energy conservation measures like installation of CFLs/TFLs for the lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. Use CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the extent possible.
13. Adequate measures should be taken to prevent odour problem from solid waste processing plant and CSTP/CETP.
14. The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.
15. 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. all transportation of Hazardous Chemicals shall be as per the MVA, 1989. Authorization from the KSPCB shall be obtained for collection, treatment, storage, and disposal of hazardous wastes.
16. 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 and other Wastes (Management and Transboundary Movement) Rules, 2016. Authorization from the KSPCB must be obtained for collection/treatment/ storage/disposal of hazardous wastes.
17. Application of solar energy should be incorporated for illumination of common areas, lighting for gardens and street lighting in addition to provision for solar water heating. A hybrid system or fully solar system for lighting and heating should be provided. Details in this regard should be submitted to the SEIAA.
18. The individual industries shall take all necessary clearances including Environment clearance in accordance with the law. The project Authority shall incorporate such condition in the lease/ sale deed/ Agreement.
19. The project authorities shall bifurcate the industrial plots and residential plots, if any with a thick and tall vegetative barrier green belt.
20. The project Authority shall incorporate a condition in the prospective lease/sale deed/ Agreement with individual industries that they also shall abide by the conditions of this E.C.

B. GENERAL CONDITIONS:

1. A separate Environment Management Cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
2. The project authorities shall strictly adhere to the stipulations made by the Karnataka State Pollution Control Board (KSPCB).

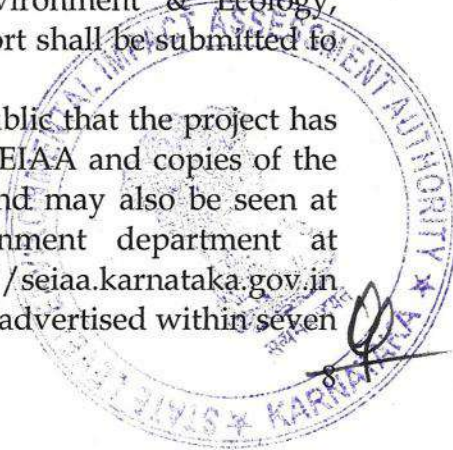


State Level Environment Impact Assessment Authority-Karnataka
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by Karnataka Industrial Areas Development Board (KIADB)

3. At no time, the emissions shall exceed the prescribed limits. In the event of failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.
4. No further expansion or modifications in the plant shall be carried out without prior approval of the SEIAA/Ministry of Environment and Forests as the case may be. In case of deviations or alterations in the project proposal from those submitted to this Authority for clearance, a fresh reference shall be made to the Authority to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
5. 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. Authorization from the KSPCB shall be obtained for collection, treatment, storage, and disposal of hazardous wastes.
6. 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 and other Wastes (Management and Transboundary Movement) Rules, 2016. Authorization from the KSPCB must be obtained for collection/treatment/ storage/disposal of hazardous wastes.
7. Application of solar energy should be incorporated for illumination of common areas, lighting for gardens and street lighting in addition to provision for solar water heating. A hybrid system or fully solar system for lighting and heating should be provided. Details in this regard should be submitted to the SEIAA.
8. The overall noise levels in and around the plant area shall 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 shall conform to the standards prescribed under Environment (Protection) Act, Rules, 1989 viz. DBA (day time) and 70 dBA (night time).
9. The project proponent shall also comply with all the environmental protection measures and safeguards as per the information provided.
10. The implementation of the project vis-à-vis environmental action plans shall be monitored by MoEF, Regional Office at Bangalore / KSPCB/ CPCB and the Department of Environment & Ecology, Bangalore. A six monthly compliance status report shall be submitted to monitoring agencies.
11. The project proponent shall inform the public that the project has been accorded environmental clearance by the SEIAA and copies of the clearance letter are available with the KSPCB and may also be seen at Website of the State Ecology and Environment department at <http://seiaa.kar.nic.in>. or <http://seiaa.karnataka.gov.in> <http://environmentclearance.nic.in> This shall be advertised within seven



State Level Environment Impact Assessment Authority-Karnataka
(Constituted by MoEF, Government of India under section 3(3) of E(P) Act, 1986)

SEIAA 22 IND 2013

Establishment of Nandur Kesartagi Industrial Area
by Karnataka Industrial Areas Development Board (KIADB)

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 shall be forwarded to the Regional Office of MoEF at Bangalore / KSPCB/ CPCB/ the Department of Ecology & Environment, Government of Karnataka, Bangalore and Regional Director (Environment), Department of Ecology & Environment, Government of Karnataka, Kalaburgi.

12. The project authorities shall inform the Regional Office of MoEF at Bangalore / KSPCB/ CPCB/ the Department of Ecology & Environment, Government of Karnataka, Bangalore and Regional Director (Environment), Department of Ecology & Environment, Government of Karnataka, Kalaburgi, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.
13. The SEIAA, Karnataka may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
14. The SEIAA, Karnataka reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner will implement these conditions.
15. 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 and other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and rules.
16. The issue of Environment Clearance doesn't confer any right to the project proponent to operate / run the project without obtaining statutory clearances / sanctions from all other concerned Authorities.
17. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environmental (Protection) Act, 1986.
18. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
19. Officials from the Department of Environment and Ecology, Bangalore/ Regional Office of MoEF, Bangalore who would be monitoring the implementation of Environmental safeguards should be given full cooperation, facilities and documents/ data by the project proponents during their inspection. A complete set of all the documents submitted to MoEF / SEIAA should be forwarded to the Regional Office of MoEF at Bangalore / KSPCB/ CPCB/ the Department of Ecology & Environment, Government of Karnataka, Bangalore and Regional Director (Environment), Department of Ecology & Environment, Government of Karnataka, Kalaburgi.

State Level Environment Impact Assessment Authority-Karnataka

(Constituted by MoEF, Government of India under section 3(3) of E(P) Act, 1986)


SEIAA 22 IND 2013

Establishment of Nandur Kesartagi Industrial Area
by Karnataka Industrial Areas Development Board (KIADB)

20. In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Authority.
21. The Authority reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environment (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.
22. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponents from the competent authorities.
23. These stipulations would be enforced among others under the provisions of water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006.
24. Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent if it was found that construction of the project has been started without obtaining environmental clearance.



Yours faithfully,


(RAMACHANDRA) 26/7/16
Member Secretary,
SEIAA, Karnataka.

Copy to:

1. The Secretary, Ministry of Environment, Forests and Climate Change, Indira Paryavaran Bhavan, Jor Bagh Road, Aliganj, New Delhi - 110 003.
2. The Member Secretary, Karnataka State Pollution Control Board, Bengaluru.
3. The APCCF, Regional Office, Ministry of Environment & Forests (SZ), Kendriya Sadan, IV Floor, E & F wings, 17th Main Road, Koramangala II Block, Bengaluru - 560 034.
4. Regional Director (Environment), Ecology and Environment Department, Government of Karnataka, Timmapuri Chowk, Vallabhai Patel Circle, Temple Road Near Court, Kalaburgi.
5. Guard File.



ಕರ್ನಾಟಕ ರಾಜ್ಯ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿ
Karnataka State Pollution Control Board

"ಪರಿಸರಭವನ", 1 ರಿಂದ 5ನೇ ಮಹಡಿಗಳು, ನಂ.49, ಚರ್ಚ್‌ಸ್ಟ್ರೀಟ್, ಬೆಂಗಳೂರು - 560 001, ಕರ್ನಾಟಕ, ಭಾರತ
"Parisara Bhavana", 1st to 5th Floor, # 49, Church Street, Bengaluru - 560 001, Karnataka, INDIA

HD Reg No. 141209 dated 05.01.2018

KIADB - Kalburgi

/BY REGD. POST WITH ACK. DUE /
(This document contains 06 pages)

NO. PCB/575/CNP/17/ 0B-1263

Date: 26 MAR 2018

To
The Development Officer,
Office of the Development Officer,
Karnataka Industrial Area Development Board Zonal Office,
Kapnoor 1st stage, Industrial Area,
Humnabad Road, Kalburgi - 585 104.

Sir,

Sub: Consent for Establishment (CFE) to develop Industrial Area in an extent of area 198.36 Acres (80.15 Hectares) located at Kapnoor 1st stage, Industrial area, Humnabad road, Kalburgi, Karnataka by M/s Karnataka Industrial Area Development Board KIADB - Nandur Kesaratagi Indl. Area, IInd Phase, kalaburgi.

- Ref: 1. CFE applications received at Regional Office, KSPCB, Gulbarga on 05.01.2018.
2. Inspection of the proposed project site by Officer of the Regional Office, KSPCB, Gulbarga on 08.11.2017.
3. EC No SEIAA 22 IND 2013 dtd 26.07.2016.
4. Proceedings of the Consent Committee Meeting held on 05.03.2018.



With reference to the above, it is to be informed that this Board hereby accords Consent for Establishment under the Water (Prevention & Control of Pollution) Act 1974, to develop Industrial Area in an extent of area 198.36 Acres (80.15 Hectares) located at Kapnoor 1st stage, Industrial area, Humnabad road, Kalburgi, Karnataka subject to the following conditions.

- i. Environmental Aspects and Management during the course of construction:
 - a) The applicant shall arrange services like housing, facility, water supply, sewage facilities on a temporary basis at construction site and same shall be maintained without any adverse impact on the environment.

(Sadiq Ahmed)
SENIOR ENVIRONMENTAL OFFICER

- b) The applicant shall control the movement of vehicles carrying construction materials in order to avoid noise pollution in the surrounding.
- c) The applicant shall obtain Consent for Operation (CFO) from the Board before handing over to residents Association.
- d) This CFE is issued only from the point of water pollution control and does not have any relevance over land dispute, any pending cases with any Departments/Hon'ble Courts.

Sewage Treatment Plant (STP) and solid waste processing facility (for Organic) shall be provided and operated satisfactorily by the project proponent himself before it is handed over to Association/Company.

- f) The project proponent shall strictly adhere to the conditions stipulated in the Environmental clearance (EC) issued from the State Level Environment Impact Assessment Authority-Karnataka vide No. F. No. 21-8/2014-IA-11 dated 14.10.2016.
- g) The applicant shall strictly adhere to the zoning Regulation with respect to buffer zone towards any Lake, Nala, drain or any other water bodies as per the local planning authority guidelines.
- h) The applicant shall submit final approved plan from competent authority to the Board before taking up any construction activities.

II. WATER CONSUMPTION:

1. The water consumption for the above project activity shall not exceed 1224 KLD. The applicant shall not draw water from borewell without permission of CGWA.

III. WATER POLLUTION CONTROL:

1. The total quantity of sewage shall not exceed 481 KLD and shall be treated in the sewage treatment plant of capacity 2 x 250 KLD & 150 KLD with the treatment scheme as submitted in the STP proposal to meet the standards stipulated below before utilizing for Urban Reuse viz., landscape irrigation, vehicle washing, toilet flushing, use in fire protection and commercial air conditioners. STP shall be constructed on modular basis to cater to phase-wise development and applicant shall follow STP construction and operation guidelines published by the Board and the location of the STP should be above ground level & should be easily accessible to the inspecting officer.

Sl. No	Parameter	Parameters Limit.
01.	pH	6.5 – 9.0
02.	BOD (mg/l)	Not more than 10
03.	COD (mg/l)	Not more than 50
04.	TSS (mg/l)	Not more than 20
05.	NH4-N (mg/l)	Not more than 5
06.	N-Total (mg/l)	Not more than 10
07.	Fecal Coliform (MPN/100 ml).	Less than 100


 (Sadiq Ahmed)
 SENIOR ENVIRONMENTAL OFFICER

2. Applicant shall add appropriate disinfectant to treated sewage to ensure some residual chlorine preferably in the range of 1 mg/l. to 3 mg/l.
3. If the treatment plant do not achieve the effluent standards stipulated under conditions (1) above or if it is found to be inadequate, then the applicant shall have to modify the units so as to meet the standards with prior consent of the Board.
4. All the treatment units shall be made impervious and there shall not be any discharge of sewage outside the premises.
5. Separate energy meter shall be provided to STP's also flow meters and a log book on reading of energy meter and flow meters shall be maintained.
6. The applicant shall adhere to the CFE/CFO conditions even after handing over Layout/Plots to individual persons.

IV. AIR POLLUTION CONTROL:

1. There shall not be any air pollution sources without prior approval from the Board.
2. The applicant shall provide dust suppression systems with water sprinkling system during construction period.
3. The applicant should make provisions for dual piping system to use the treated sewage water for toilet flushing, gardening and other secondary purposes

V. NOISE POLLUTION CONTROL:

1. The applicant shall ensure that the ambient noise levels and ambient air quality within its premises during construction and after construction shall not exceed the limits specified in the Environment (Protection) Rules, i.e., the noise level from the noise generating equipments viz., DG sets, AC units etc., shall not exceed 55 dB(A) Leq during day time and 45 dB(A) Leq during night time.

VI. SOLID WASTE DISPOSAL & Hazardous Waste Disposal:

1. The applicant shall collect, treat and dispose off all solid waste generated during construction i.e. Muck, and Garbage after construction if any in such manner so as not to cause environmental pollution.
2. The applicant shall apply and obtain authorization for management & handling of waste oil under Hazardous & other Waste (Management & Transboundary Movement) Rules, 2016.
3. The applicant shall earmark sufficient place for segregation and processing and convert the bio-degradable solid waste generated from unit into compost within their premises with scientific method.
4. The applicant shall strictly follow the Government Notification No. FEE 17 EPC 2012 Bangalore dated 11.03.2016 with regard to plastics ban.


(Sadig Ahmed)
SENIOR ENVIRONMENTAL OFFICER

5. The applicant shall strictly follow Construction & Demolition Waste Management Rules, 2016. The applicant shall comply with the following conditions stipulated by MoEF & CC, Gol Notification No. G.S.R. 94 (E) dated 25.01.2018.

(a) No building or infrastructure project requiring Environmental Clearance shall be implemented without approved Environmental Management plan inclusive of dust mitigation measures.

(b) Roads leading to or at construction sites must be paved & blacktopped (ie., metallic roads).

(c) No excavation of soil shall be carried out without adequate dust mitigation measures in place.

(d) No loose soil or sand or Construction & Demolition waste or any other construction material that causes dust shall be left uncovered.

(e) Wind – breaker of appropriate height i.e., $1/3^{\text{rd}}$ of the building height & maximum up to 10m shall be provided.

(f) Water sprinkling system shall be put in place.

(g) Dust mitigation measures shall be displayed prominently at the construction site for easy public viewing.

(h) Grinding & cutting of building materials in open area shall be prohibited.

(i) Construction material & waste should be stored only within earmarked area & road side storage of construction material & waste shall be prohibited.

(j) No uncovered vehicles carrying construction material & waste shall be permitted.

(k) Construction & Demolition waste processing & disposal site shall be identified & required dust mitigation measures be notified at the site.

VII. HEALTH & SAFETY:

1. The applicant shall provide all necessary healthcare facilities to workers and shall carry out routine health survey among workers.
2. The applicant shall provide all safety measures including personal protective equipments to workers during construction.

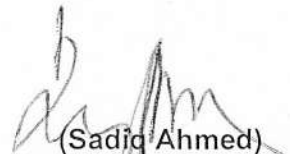
VIII. GENERAL:

1. The applicant shall maintain natural nallah and other such features as in the revenue survey map and adopt zonal regulations of the concerned Planning Authorities.
2. The applicant must create structure/facility for rain water harvesting and ground water recharge.

(Sadiq Ahmed)

SENIOR ENVIRONMENTAL OFFICER.

4. The applicant shall provide dual piping system in the layout in order to use the treated sewage for toilet flushing, gardening and other secondary purposes.
5. The applicant shall arrange for alternate power supply in the form of D.G.Set to run and operate the essential units of sewage treatment plant, in event of brake down of regular supply from Electricity Board.
6. Exact date of commissioning of the sewage treatment plant shall be informed to this Board 45 days in advance so as to make necessary inspection of the plant and the pollution control measures provided by the applicant
7. The applicant shall appoint a qualified Environmental Engineer/ Scientist for the Management of Environmental aspects and also establish Environmental Cell to oversee the operation of STP.
8. The applicant shall make provisions for wooded Buffer zone all along the periphery of the layout.
9. The applicant shall implement the Environmental Management Plan during construction and after construction as given under EMP report.
10. The applicant shall not change or alter (a) number of Sites (b) Layout plan (c) the quality, quantity or rate of discharge/ emissions and (d) install/replace/alter the water or air pollution control measures without the prior approval of the Board.
11. The applicant shall immediately report to the Board of any accident or unforeseen act or event resulting in release of discharge of effluents or emissions or solid wastes etc., in excess of the standards stipulated, and the applicant shall immediately take appropriate corrective and preventive actions under intimation.
12. The Board reserves the right to review, impose additional condition or conditions, revoke, change or alter the terms and conditions.
13. This consent for establishment is valid for Five years from the date of issue for completion of all construction operations.
14. This CFE does not give any right to the Party/Project Authority to forego any legal requirement, which is necessary for setting/operation of the project.
15. The project authorities shall dispose scientifically Bio-Medical waste and electronic waste to authorized common disposal facility and authorized recyclers respectively by entering into agreement as per new Bio Medical Waste Management Rules, 2016 and E- Waste (Management) Rules, 2016.
16. The project authorities shall not use Kharab land if any for any purpose and keep available to the general public duly displaying a board as public property. No structure of any kind be put up in the Kharab land and shall be afforested and maintained as green belt only.



(Sadia Ahmed)

SENIOR ENVIRONMENTAL OFFICER.

17. The applicant is liable to reinstate or restore, damaged or destroyed elements of environment at his cost, failing which, the applicant/occupier as the case may be shall be liable to pay the entire cost of remediation or restoration and pay in advance an amount equal to the cost estimated by Competent Agency or Committee.
18. The CFE is issued without prejudice to the Court case pending in any Hon'ble Court.
19. The EC only permitted industries to be allowed in the industrial area.

Please note that separate consent of the Board for discharge of liquid effluent shall have to be obtained by remitting prescribed consent fee. The application for consent has to be made 45 days in advance to completion of Residential Layout. Issue of consent will be considered only after completion of sewage treatment plant, solid waste management facilities.


The receipt of this letter may please be acknowledged.

For and on behalf of
Karnataka State Pollution Control Board

Sd/-
(Sadiq Ahmed)
SENIOR ENVIRONMENTAL OFFICER.

COPY TO:

1. The Environmental Officer, KSPCB, Regional Office, **Gulbarga**, for information and necessary action.
2. Master copy (CFE-Cell).
3. Master copy (Dispatch).
4. Office copy.


(Sadiq Ahmed)
SENIOR ENVIRONMENTAL OFFICER.

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RAVARI NIGAM LIMITED

(Karnataka Enterprise)
Executive Engineer,
Project Division, Ranebennur.

**Madhapura Corrigendum-3/
dtd: 19-03-2018**

CORRIGENDUM-3

Notification No. 3944/017-18
Corrigendum -1 Notification
-2018 3) This office
4447 dtd: 03-03-2018

Notifications cited at Ref (1) to (3)
work of "Survey, Investigation,
Testing and Commissioning of
d Works consisting of Intake
m pump house, Power supply
transmission lines, Rising Main,
and Construction of Gravity
structure for lifting of water from
ankaranahalli village to fill the
Taluk Havrei Districts. including
for a period of 5 years after
completion of scheme on Turn-
apura Lift Irrigation Scheme in
st, Karnataka" was called and
insted of Guddada Madhapura
(Madlur) LIS works's drawings
fence the Drawings of Guddada
endum for the above said work
Further details are remains
tender notification and its
made in the said Corrigendum,
1 will be published in the
23-03-18 in the news papers. Further
the office of the undersigned
No. (08373) - 267071. and

NL. U.T.P. Division, Ranebennur.

Sd/- Executive Engineer, Project (West) Division

"Pay development charges, help to develop Bengaluru"



KARNATAKA INDUSTRIAL AREAS DEVELOPMENT BOARD

(A Government of Karnataka Undertaking)
No. 49, East Wing, 4th & 5th Floor, Khanija Bhavan, Race Course
Road, Bengaluru - 560 001, Ph.: 22265383
Fax: 080-22267901 website: www.kiadb.in
e-Mail: cdoce@kiadb.in

PUBLIC ANNOUNCEMENT

(Through GoK e-Procurement Portal Only)

KIADB has obtained Environmental Clearance from MoEF&CC/SEIAA
for the following Industrial Areas. The Copies of the Environmental
Clearances are available on the website of MoEF&CC (<http://moef.nic.in>)/SEIAA (<http://seiaa.karnataka.gov.in>).

A. Environmental Clearance from MoEF&CC

1. Sompura Industrial Area, 1&2 Stage, Nelamangala Taluk, Bengaluru Rural District.
2. Vasanthanarasapura Industrial Area, 2nd & 3rd Phase, Tumakuru District.
3. Gowribidanur, 1st & 2nd Stage Industrial Area, Chikkaballapura District.
4. Kadechuru Industrial Area, Kadechuru Village, Yadgiri Taluk & District.
5. Chamarajanagara Industrial Area, Badanakuppe and Kallambelli villages, Chamarajanagara Taluk & District.
6. Harohalli Industrial Area, 2nd & 3rd Phase, Ramangara District
7. Jakanasandra Industrial Area, Jakasandra village, Malur Taluk, Kolar District.

B. Environmental Clearance from SEIAA

- 1) Malur Industrial Area, 4th Phase, Malur Taluk, Kolar District.
- 2) Narasapura Industrial Area, 1st Stage, Kolar District.
- 3) IT/BT Park, Gamanagatti, Tarihal Village, Dharwad District.
- 4) Bidadi Industrial Area, 2nd Phase, Ramanagara District.
- 5) Vemagal Industrial Area, Kolar District.
- 6) Vasanthanarasapura Industrial Area, 1st Stage, Tumakuru Taluk & District.
- 7) Hi-Tech Defence & Aerospace Components, Devanahalli Taluk, Bengaluru Rural District.
- 8) Doddaballapura Industrial Area, 3rd Phase, Obdenahalli, Doddaballapura Taluk, Bangalore Rural District.
- 9) Kittur Industrial Area, Bailahongal Taluk, Belagavi District.
- 10) Nandur Kesaratagi Industrial Area, 2nd Phase, Kalaburagi Taluk & District.

Sd/- Chief Development Officer & Chief Engineer

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No. 94, 2nd Floor, Thirumala Complex, Nagarabhavi Main Road, NGEF Layout,
Nagarabhavi, Bengaluru - 560 072. Tel : 080 2318 6230

Email : info@robustmaterials.com Website : www.robustmaterials.com

TEST REPORT



M/s. Karnataka Industrial Areas Development Board (KIADB).

No. 49, 4th & 5th Floor, East Wing, Khanija Bhavan,
Race Course Road, Bengaluru,
Karnataka 560 001.

Report No.	: RE/2021/00618
Report date	: 26/06/2021
Reference	: Test Request Form
Date of Sampling	: 21/06/2021 to 22/06/2021
Job Order No	: RE/2021/00618
Date of Receipt	: 24/06/2021
Analysis Start date	: 24/06/2021
Analysis Completed date	: 26/06/2021

Sample Particulars: Ambient Air Monitoring for 24 hrs.

Name of the Industrial Area: Nandur Kesaratagi Industrial Area, 2nd Phase, Gulbarga Taluk, Gulbarga District. (Ext-198.36A).

Sample Location: Nandoor K -Project Site.

Sl. No.	Parameters	Results	Limits (As Per NAAQS) For 24hrs	Protocol
1	Particulate Matter PM ₁₀ , µg/m ³	64.7	100	IS-5182 (P-23)
2	Particulate Matter PM _{2.5} , µg/m ³	24.9	60	IS-5182 (P-24)
3	Nitrogen Dioxide NO ₂ , µg/m ³	21.1	80	IS-5182 (P-06)
4	Sulphur dioxide as SO ₂ , µg/m ³	14.3	80	IS-5182 (P-02)

INFERENCE: The measured values for the above tested parameters are within as per the NAAQ Standards

Details of Equipment used for monitoring

Name of the equipment	Respirable Dust Sampler	Fine Particulate Sampler
Model	Thermo TEI-108 NL	Thermo TEI-121
Sl. No.	222-TEA-21	211-TEA-21
Calibrated on date	25-01-2021	25-01-2021
Calibration due date	22.01.2022	23.01.2022

-----END OF THE REPORT-----

26/6/21
Verified by

26/6/21
Authorized Signatory

Note: 1. The results listed refer only to the tested samples and applicable parameters. 2. Test certificate should not be reproduced except in full, without written approval of the laboratory. 3. The submitted samples are drawn by the laboratory unless otherwise specified. 4. Endorsement of product is neither inferred nor implied. 5. Samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified. 6. This report cannot be used as evidence in the court of law & should not be used in any advertising media without our permission in writing. 7. Total liability of our lab is limited to the invoice amount and any disputes arising out of this report are subject to Bangalore jurisdiction only. 8. Laboratory is not responsible for the authenticity of photocopied test reports.



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No. 94, 2nd Floor, Thirumala Complex, Nagarabhavi Main Road, NGEF Layout,
Nagarabhavi, Bengaluru - 560 072. Tel : 080 2318 6230

Email : info@robustmaterials.com Website : www.robustmaterials.com

TEST REPORT



M/s. Karnataka Industrial Areas Development Board (KIADB).

No. 49, 4th & 5th Floor, East Wing, Khanija Bhavan,
Race Course Road, Bengaluru,
Karnataka 560 001.

Report No.	: RE/2021/00619
Report date	: 26/06/2021
Reference	: Test Request Form
Date of Sampling	: 21/06/2021 to 22/06/2021
Job Order No	: RE/2021/00619
Date of Receipt	: 24/06/2021
Analysis Start date	: 24/06/2021
Analysis Completed date	: 26/06/2021

Sample Particulars: Ambient Air Monitoring for 24 hrs.

Name of the Industrial Area: Nandur Kesaratagi Industrial Area, 2nd Phase, Gulbarga Taluk, Gulbarga District. (Ext-198.36A).

Sample Location: Near Kesaratagi Tanda.

Sl. No.	Parameters	Results	Limits (As Per NAAQS) For 24hrs	Protocol
1	Particulate Matter PM ₁₀ , µg/m ³	64.1	100	IS-5182 (P-23)
2	Particulate Matter PM _{2.5} , µg/m ³	21.0	60	IS-5182 (P-24)
3	Nitrogen Dioxide NO ₂ , µg/m ³	20.2	80	IS-5182 (P-06)
4	Sulphur dioxide as SO ₂ , µg/m ³	12.5	80	IS-5182 (P-02)

INFERENCE: The measured values for the above tested parameters are within as per the NAAQ Standards

Details of Equipment used for monitoring

Name of the equipment	Respirable Dust Sampler	Fine Particulate Sampler
Model	Envirotech APM-460 BL	Envirotech APM-550
Sl. No.	2475-DTJ-2012	1406-DTJ-2013
Calibrated on date	12-11-2020	07-11-2020
Calibration due date	11-11-2021	06-11-2021

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Email : info@robustmaterials.com Website : www.robustmaterials.com

TEST REPORT



M/s. Karnataka Industrial Areas Development Board (KIADB).

No. 49, 4th & 5th Floor, East Wing, Khanija Bhavan,
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Report No.	: RE/2021/00620
Report date	: 26/06/2021
Reference	: Test Request Form
Date of Sampling	: 21/06/2021 to 22/06/2021
Job Order No	: RE/2021/00620
Date of Receipt	: 24/06/2021
Analysis Start date	: 24/06/2021
Analysis Completed date	: 26/06/2021

Sample Particulars: Ambient Air Monitoring for 24 hrs.

Name of the Industrial Area: Nandur Kesaratagi Industrial Area, 2nd Phase, Gulbarga Taluk, Gulbarga District. (Ext-198.36A).

Sample Location: Near Nandikur Tanda.

Sl. No.	Parameters	Results	Limits (As Per NAAQS) For 24hrs	Protocol
1	Particulate Matter PM ₁₀ , µg/m ³	63.2	100	IS-5182 (P-23)
2	Particulate Matter PM _{2.5} , µg/m ³	24.4	60	IS-5182 (P-24)
3	Nitrogen Dioxide NO ₂ , µg/m ³	19.6	80	IS-5182 (P-06)
4	Sulphur dioxide as SO ₂ , µg/m ³	11.2	80	IS-5182 (P-02)

INFERENCE: The measured values for the above tested parameters are within as per the NAAQ Standards

Details of Equipment used for monitoring

Name of the equipment	Respirable Dust Sampler	Fine Particulate Sampler
Model	Ecotech AAS 217-BL	Envirotech AAS 127-mini
Sl. No.	16-L-415	18-J-889
Calibrated on date	25-08-2020	21-01-2021
Calibration due date	24-08-2021	20-01-2022

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Karnataka 560 001.

Report No.	: RE/2021/00621
Report date	: 26/06/2021
Reference	: Test Request Form
Date of Sampling	: 21/06/2021 to 22/06/2021
Job Order No	: RE/2021/00621
Date of Receipt	: 24/06/2021
Analysis Start date	: 24/06/2021
Analysis Completed date	: 26/06/2021

Sample Particulars: Ambient Air Monitoring for 24 hrs.

Name of the Industrial Area: Nandur Kesaratagi Industrial Area, 2nd Phase, Gulbarga Taluk, Gulbarga District. (Ext-198.36A).

Sample Location: Near Kusnoor Village.

Sl. No.	Parameters	Results	Limits (As Per NAAQS) For 24hrs	Protocol
1	Particulate Matter PM ₁₀ , µg/m ³	61.7	100	IS-5182 (P-23)
2	Particulate Matter PM _{2.5} , µg/m ³	22.3	60	IS-5182 (P-24)
3	Nitrogen Dioxide NO ₂ , µg/m ³	18.5	80	IS-5182 (P-06)
4	Sulphur dioxide as SO ₂ , µg/m ³	9.5	80	IS-5182 (P-02)

INFERENCE: The measured values for the above tested parameters are within as per the NAAQ Standards

Details of Equipment used for monitoring

Name of the equipment	Respirable Dust Sampler	Fine Particulate Sampler
Model	Ecotech AAS 217 NL	Ecotech AAS 217
Sl. No.	20-I-932	20-I-1165
Calibrated on date	16-12-2020	16-12-2020
Calibration due date	15-12-2021	15-12-2021

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Report No.	: RE/2021/00622
Report date	: 26/06/2021
Reference	: Test Request Form
Date of Sampling	: 21/06/2021 to 22/06/2021
Job Order No	: RE/2021/00622
Date of Receipt	: 24/06/2021
Analysis Start date	: 24/06/2021
Analysis Completed date	: 26/06/2021

Sample Particulars: Ambient Air Monitoring for 24 hrs.

Name of the Industrial Area: Nandur Kesaratagi Industrial Area, 2nd Phase, Gulbarga Taluk, Gulbarga District. (Ext-198.36A).

Sample Location: Near Zapur Village.

Sl. No.	Parameters	Results	Limits (As Per NAAQS) For 24hrs	Protocol
1	Particulate Matter PM ₁₀ , µg/m ³	60.3	100	IS-5182 (P-23)
2	Particulate Matter PM _{2.5} , µg/m ³	22.1	60	IS-5182 (P-24)
3	Nitrogen Dioxide NO ₂ , µg/m ³	18.9	80	IS-5182 (P-06)
4	Sulphur dioxide as SO ₂ , µg/m ³	10.8	80	IS-5182 (P-02)

INFERENCE: The measured values for the above tested parameters are within as per the NAAQ Standards.

Details of Equipment used for monitoring

Name of the equipment	Respirable Dust Sampler	Fine Particulate Sampler
Model	Ecotech AAS-217 NL	Ecotech AAS 217
Sl. No.	20-I-933	20-I-1166
Calibrated on date	16-12-2020	16-12-2020
Calibration due date	15-12-2021	15-12-2021

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M/s. Karnataka Industrial Areas Development Board (KIADB). No. 49, 4th & 5th Floor, East Wing, Khanija Bhavan, Race Course Road, Bengaluru, Karnataka 560 001.	Report No.	: RE/2021/00623
	Report date	: 26/06/2021
	Reference	: Test Request Form
	Date of Sampling	: 21/06/2021 to 22/06/2021
	Job Order No	: RE/2021/00623
	Date of Receipt	: 24/06/2021
	Analysis Start date	: 24/06/2021
Sample Particulars: Ambient Air Monitoring for 24 hrs.	Analysis Completed date	: 26/06/2021
Name of the Industrial Area: Nandur Kesaratagi Industrial Area, 2nd Phase, Gulbarga Taluk, Gulbarga District. (Ext-198.36A).		
Sample Location: Near Hire Nandoor Village.		

Sl. No.	Parameters	Results	Limits (As Per NAAQS) For 24hrs	Protocol
1	Particulate Matter PM ₁₀ , µg/m ³	59.5	100	IS-5182 (P-23)
2	Particulate Matter PM _{2.5} , µg/m ³	19.3	60	IS-5182 (P-24)
3	Nitrogen Dioxide NO ₂ , µg/m ³	17.2	80	IS-5182 (P-06)
4	Sulphur dioxide as SO ₂ , µg/m ³	10.1	80	IS-5182 (P-02)

INFERENCE: The measured values for the above tested parameters are within as per the NAAQ Standards.

Details of Equipment used for monitoring		
Name of the equipment	Respirable Dust Sampler	Fine Particulate Sampler
Model	Envirotech AAS-217 NL	Envirotech AAS 127-mini
Sl. No.	18-J-739	18-J-889
Calibrated on date	16-03-2021	21-01-2021
Calibration due date	15-03-2022	20-01-2022

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Report No.	: RE/2021/00624
Report date	: 26/06/2021
Reference	: Test Request Form
Date of Sampling	: 21/06/2021 to 22/06/2021
Job Order No	: RE/2021/00624
Date of Receipt	: 24/06/2021
Analysis Start date	: 24/06/2021
Analysis Completed date	: 26/06/2021

Sample Particulars: Ambient Air Monitoring for 24 hrs.

Name of the Industrial Area: Nandur Kesaratagi Industrial Area, 2nd Phase, Gulbarga Taluk, Gulbarga District. (Ext-198.36A).

Sample Location: Near Martur Village.

Sl. No.	Parameters	Results	Limits (As Per NAAQS) For 24hrs	Protocol
1	Particulate Matter PM ₁₀ , µg/m ³	58.9	100	IS-5182 (P-23)
2	Particulate Matter PM _{2.5} , µg/m ³	18.6	60	IS-5182 (P-24)
3	Nitrogen Dioxide NO ₂ , µg/m ³	16.1	80	IS-5182 (P-06)
4	Sulphur dioxide as SO ₂ , µg/m ³	10.6	80	IS-5182 (P-02)

INFERENCE: The measured values for the above tested parameters are within as per the NAAQ Standards

Details of Equipment used for monitoring

Name of the equipment	Respirable Dust Sampler	Fine Particulate Sampler
Model	Envirotech APM-460 BL	Envirotech APM-550
Sl. No.	2475-DTJ-2012	1406-DTJ-2013
Calibrated on date	12-11-2020	07-11-2020
Calibration due date	11-11-2021	06-11-2021

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Report No.	: RE/2021/00625
Report date	: 26/06/2021
Reference	: Test Request Form
Date of Sampling	: 21/06/2021 to 22/06/2021
Job Order No	: RE/2021/00625
Date of Receipt	: 24/06/2021
Analysis Start date	: 24/06/2021
Analysis Completed date	: 26/06/2021

Sample Particulars: Ambient Air Monitoring for 24 hrs.

Name of the Industrial Area: Nandur Kesaratagi Industrial Area, 2nd Phase, Gulbarga Taluk, Gulbarga District. (Ext-198.36A).

Sample Location: Near Sitnoor Layout.

Sl. No.	Parameters	Results	Limits (As Per NAAQS) For 24hrs	Protocol
1	Particulate Matter PM ₁₀ , µg/m ³	60.1	100	IS-5182 (P-23)
2	Particulate Matter PM _{2.5} , µg/m ³	24.3	60	IS-5182 (P-24)
3	Nitrogen Dioxide NO ₂ , µg/m ³	18.4	80	IS-5182 (P-06)
4	Sulphur dioxide as SO ₂ , µg/m ³	11.2	80	IS-5182 (P-02)

INFERENCE: The measured values for the above tested parameters are within as per the NAAQ Standards

Details of Equipment used for monitoring		
Name of the equipment	Respirable Dust Sampler	Fine Particulate Sampler
Model	Envirotech APM-550	Envirotech APM-550
Sl. No.	2476-DTJ-2012	1159-DTG-2012
Calibrated on date	16-03-2021	16-03-2021
Calibration due date	15-03-2022	15-03-2022

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Report No.	: RE/2021/00626
Report date	: 26/06/2021
Reference	: Test Request Form
Date of Sampling	: 21/06/2021 to 22/06/2021
Job Order No	: RE/2021/00626
Date of Receipt	: 24/06/2021
Analysis Start date	: 24/06/2021
Analysis Completed date	: 25/06/2021

Name of the Industrial Area: Nandur Kesaratagi Industrial Area, 2nd Phase, Gulbarga Taluk, Gulbarga District. (Ext-198.36A).
Sample Particulars: Noise Monitoring for 24 hrs.

J.O.No.	Location	Time Frequency	L min dB(A)	L max dB(A)	L eq dB(A)
RE/2021/00626	Nandoor K -Project Site	6:01 AM to 10:00 PM	53.3	75.2	63.3
		10:01 PM to 6:00 AM	46.1	58.1	51.8

Note: Noise Level Stipulated by KSPCB for Residential area is 55 dB (A) (During day time) and 45 dB(A) (During night time), For Commercial area 65 dB (A) (During day time) and 55 dB(A) (During night time), For Industrial area 75 dB (A) (During day time) and 70 dB(A) (During night time)

- Day Time is reckoned between 6 A.M and 10 P.M.
- Night Time is reckoned between 10 P.M and 6 A.M.
- Leq: It is energy mean of the noise level over a specified period.
- *-dB (A) Leq denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.
- A "decibel" is a unit in which noise is measured.
- "A", in dB (A) Leq, denotes the frequency weighting in the measurement of noise and corresponds to Frequency response characteristics of the human ear

INFERENCE

As per CPCB Standards,

Report Status: - The measured values for the above locations are within the standards.

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Report No.	: RE/2021/00627
Report date	: 26/06/2021
Reference	: Test Request Form
Date of Sampling	: 21/06/2021 to 22/06/2021
Job Order No	: RE/2021/00627
Date of Receipt	: 24/06/2021
Analysis Start date	: 24/06/2021
Analysis Completed date	: 25/06/2021

Name of the Industrial Area: Nandur Kesaratagi Industrial Area, 2nd Phase, Gulbarga Taluk, Gulbarga District. (Ext-198.36A).
Sample Particulars: Noise Monitoring for 24 hrs.

J.O.No.	Location	Time Frequency	L min dB(A)	L max dB(A)	L eq dB(A)
RE/2021/00627	Near Kesaratagi Tanda	6:01 AM to 10:00 PM	42.2	69.6	54.2
		10:01 PM to 6:00 AM	38.3	52.2	44.7

Note: Noise Level Stipulated by KSPCB for Residential area is 55 dB (A) (During day time) and 45 dB(A) (During night time), For Commercial area 65 dB (A) (During day time) and 55 dB(A) (During night time), For Industrial area 75 dB (A) (During day time) and 70 dB(A) (During night time)

- Day Time is reckoned between 6 A.M and 10 P.M.
- Night Time is reckoned between 10 P.M and 6 A.M.
- Leq: It is energy mean of the noise level over a specified period.
- *-dB (A) Leq denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.
- A "decibel" is a unit in which noise is measured.
- "A", in dB (A) Leq, denotes the frequency weighting in the measurement of noise and corresponds to Frequency response characteristics of the human ear

INFERENCE

As per CPCB Standards,

Report Status: - The measured values for the above locations are within the standards.

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Report No.	: RE/2021/00628
Report date	: 26/06/2021
Reference	: Test Request Form
Date of Sampling	: 21/06/2021 to 22/06/2021
Job Order No	: RE/2021/00628
Date of Receipt	: 24/06/2021
Analysis Start date	: 24/06/2021
Analysis Completed date	: 25/06/2021

Name of the Industrial Area: Nandur Kesaratagi Industrial Area, 2nd Phase, Gulbarga Taluk, Gulbarga District. (Ext-198.36A).

Sample Particulars: Noise Monitoring for 24 hrs.

J.O.No.	Location	Time Frequency	L min dB(A)	L max dB(A)	L eq dB(A)
RE/2021/00628	Near Nandikur Tanda	6:01 AM to 10:00 PM	43.5	67.4	54.1
		10:01 PM to 6:00 AM	37.5	52.0	44.2

Note: Noise Level Stipulated by KSPCB for Residential area is 55 dB (A) (During day time) and 45 dB(A) (During night time), For Commercial area 65 dB (A) (During day time) and 55 dB(A) (During night time), For Industrial area 75 dB (A) (During day time) and 70 dB(A) (During night time)

- Day Time is reckoned between 6 A.M and 10 P.M.
- Night Time is reckoned between 10 P.M and 6 A.M.
- Leq: It is energy mean of the noise level over a specified period.
- *-dB (A) Leq denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.
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INFERENCE

As per CPCB Standards,

Report Status: - The measured values for the above locations are within the standards.

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TEST REPORT



M/s. Karnataka Industrial Areas Development Board (KIADB). No. 49, 4th & 5th Floor, East Wing, Khanija Bhavan, Race Course Road, Bengaluru, Karnataka 560 001.	Report No.	: RE/2021/00629
	Report date	: 26/06/2021
	Reference	: Test Request Form
	Date of Sampling	: 21/06/2021 to 22/06/2021
	Job Order No	: RE/2021/00629
	Date of Receipt	: 24/06/2021
	Analysis Start date	: 24/06/2021
Analysis Completed date		: 25/06/2021
Name of the Industrial Area: Nandur Kesaratagi Industrial Area, 2nd Phase, Gulbarga Taluk, Gulbarga District. (Ext-198.36A). Sample Particulars: Noise Monitoring for 24 hrs.		

J.O.No.	Location	Time Frequency	L min dB(A)	L max dB(A)	L eq dB(A)
RE/2021/00629	Near Kusnoor Village.	6:01 AM to 10:00 PM	44	64.2	53.1
		10:01 PM to 6:00 AM	36.9	51.4	43.6

Note: Noise Level Stipulated by KSPCB for Residential area is 55 dB (A) (During day time) and 45 dB(A) (During night time), For Commercial area 65 dB (A) (During day time) and 55 dB(A) (During night time), For Industrial area 75 dB (A) (During day time) and 70 dB(A) (During night time)

- Day Time is reckoned between 6 A.M and 10 P.M.
- Night Time is reckoned between 10 P.M and 6 A.M.
- Leq: It is energy mean of the noise level over a specified period.
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INFERENCE

As per CPCB Standards,

Report Status: - The measured values for the above locations are within the standards.

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26/6/21
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M/s. Karnataka Industrial Areas Development Board (KIADB). No. 49, 4th & 5th Floor, East Wing, Khanija Bhavan, Race Course Road, Bengaluru, Karnataka 560 001.	Report No.	: RE/2021/00630
	Report date	: 26/06/2021
	Reference	: Test Request Form
	Date of Sampling	: 21/06/2021 to 22/06/2021
	Job Order No	: RE/2021/00630
	Date of Receipt	: 24/06/2021
	Analysis Start date	: 24/06/2021
Analysis Completed date		: 25/06/2021
Name of the Industrial Area: Nandur Kesaratagi Industrial Area, 2nd Phase, Gulbarga Taluk, Gulbarga District. (Ext-198.36A). Sample Particulars: Noise Monitoring for 24 hrs.		

J.O.No.	Location	Time Frequency	L min dB(A)	L max dB(A)	L eq dB(A)
RE/2021/00630	Near Zapur Village.	6:01 AM to 10:00 PM	43.2	62.4	51.9
		10:01 PM to 6:00 AM	36.2	50.5	42.8

Note: Noise Level Stipulated by KSPCB for Residential area is 55 dB (A) (During day time) and 45 dB(A) (During night time), For Commercial area 65 dB (A) (During day time) and 55 dB(A) (During night time), For Industrial area 75 dB (A) (During day time) and 70 dB(A) (During night time)

- Day Time is reckoned between 6 A.M and 10 P.M.
- Night Time is reckoned between 10 P.M and 6 A.M.
- Leq: It is energy mean of the noise level over a specified period.
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As per CPCB Standards,

Report Status: - The measured values for the above locations are within the standards.

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No. 49, 4th & 5th Floor, East Wing, Khanija Bhavan,
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Report No.	: RE/2021/00631
Report date	: 26/06/2021
Reference	: Test Request Form
Date of Sampling	: 21/06/2021 to 22/06/2021
Job Order No	: RE/2021/00631
Date of Receipt	: 24/06/2021
Analysis Start date	: 24/06/2021
Analysis Completed date	: 25/06/2021

Name of the Industrial Area: Nandur Kesaratagi Industrial Area, 2nd Phase, Gulbarga Taluk, Gulbarga District. (Ext-198.36A).

Sample Particulars: Noise Monitoring for 24 hrs.

J.O.No.	Location	Time Frequency	L min dB(A)	L max dB(A)	L eq dB(A)
RE/2021/00631	Near Hire Nandoor Village	6:01 AM to 10:00 PM	43.9	62.6	52.4
		10:01 PM to 6:00 AM	37.5	51.1	43.8

Note: Noise Level Stipulated by KSPCB for Residential area is 55 dB (A) (During day time) and 45 dB(A) (During night time), For Commercial area 65 dB (A) (During day time) and 55 dB(A) (During night time), For Industrial area 75 dB (A) (During day time) and 70 dB(A) (During night time)

- Day Time is reckoned between 6 A.M and 10 P.M.
- Night Time is reckoned between 10 P.M and 6 A.M.
- Leq: It is energy mean of the noise level over a specified period.
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INFERENCE

As per CPCB Standards,

Report Status: - The measured values for the above locations are within the standards.

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Report No.	: RE/2021/00632
Report date	: 26/06/2021
Reference	: Test Request Form
Date of Sampling	: 21/06/2021 to 22/06/2021
Job Order No	: RE/2021/00632
Date of Receipt	: 24/06/2021
Analysis Start date	: 24/06/2021
Analysis Completed date	: 25/06/2021

Name of the Industrial Area: Nandur Kesaratagi Industrial Area, 2nd Phase, Gulbarga Taluk, Gulbarga District. (Ext-198.36A).
Sample Particulars: Noise Monitoring for 24 hrs.

J.O.No.	Location	Time Frequency	L min dB(A)	L max dB(A)	L eq dB(A)
RE/2021/00632	Near Martur Village	6:01 AM to 10:00 PM	42.6	63.7	52.1
		10:01 PM to 6:00 AM	37.2	50.2	43.2

Note: Noise Level Stipulated by KSPCB for Residential area is 55 dB (A) (During day time) and 45 dB(A) (During night time), For Commercial area 65 dB (A) (During day time) and 55 dB(A) (During night time), For Industrial area 75 dB (A) (During day time) and 70 dB(A) (During night time)

- Day Time is reckoned between 6 A.M and 10 P.M.
- Night Time is reckoned between 10 P.M and 6 A.M.
- Leq: It is energy mean of the noise level over a specified period.
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Report Status: - The measured values for the above locations are within the standards.

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Report No.	: RE/2021/00633
Report date	: 26/06/2021
Reference	: Test Request Form
Date of Sampling	: 21/06/2021 to 22/06/2021
Job Order No	: RE/2021/00633
Date of Receipt	: 24/06/2021
Analysis Start date	: 24/06/2021
Analysis Completed date	: 25/06/2021

Name of the Industrial Area: Nandur Kesaratagi Industrial Area, 2nd Phase, Gulbarga Taluk, Gulbarga District. (Ext-198.36A).
Sample Particulars: Noise Monitoring for 24 hrs.

J.O.No.	Location	Time Frequency	L min dB(A)	L max dB(A)	L eq dB(A)
RE/2021/00633	Near Sitnoor Layout	6:01 AM to 10:00 PM	43.8	64.2	53.0
		10:01 PM to 6:00 AM	37.8	50.8	43.8

Note: Noise Level Stipulated by KSPCB for Residential area is 55 dB (A) (During day time) and 45 dB(A) (During night time), For Commercial area 65 dB (A) (During day time) and 55 dB(A) (During night time), For Industrial area 75 dB (A) (During day time) and 70 dB(A) (During night time)

- Day Time is reckoned between 6 A.M and 10 P.M.
- Night Time is reckoned between 10 P.M and 6 A.M.
- Leq: It is energy mean of the noise level over a specified period.
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INFERENCE

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Report Status: - The measured values for the above locations are within the standards.

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Report No.	: RE/2021/00634
Report date	: 29/06/2021
Reference	: Test Request Form
Sample receipt date	: 24/06/2021
Job Order No	: RE/2021/00634
Date of Sampling	: 21/06/2021
Analysis start date	: 25/06/2021
Analysis completion date	: 28/06/2021
Sampling Protocol	: E/WP/65

Sample Qty: 2 Ltrs

Name of the Industrial Area: Nandur Kesartagi Industrial Area, 2nd Phase, Gulbarga Taluk & District. (Ext -198.36 A)

Sample Particulars: One sample of Borewell Water - Near Nandur Kesartagi Industrial Area.

Sl. No.	Tests	Results	Maximum Desirable Limit IS 10500: 2012	Maximum Permissible Limit IS 10500: 2012	Protocol
Description: Colorless liquid.					
1	Color (hazen units)	<2.0	5	15	IS 3025 (Part- 4): 1983 Reaff.2017
2	Odour	Agreeable	Agreeable	Agreeable	IS 3025 (Part - 5): 1983 Reaff.2018
3	pH Value	7.14	6.5 - 8.5	No relaxation	IS 3025 (Part - 11): 1983 Reaff.2017
4	Turbidity, NTU	0.3	1	5	IS 3025 (Part - 10): 1984 Reaff.2017
5	Chloride as Cl, mg/L	251.3	250	1000	IS 3025 (Part - 32): 1988 Reaff.2019
6	Total hardness as CaCO ₃ , mg/L	226.6	200	600	IS 3025 (Part - 21): 2009 Reaff.2019
7	Calcium as Ca, mg/L	55.2	75	200	IS 3025 (Part - 40): 1991 Reaff.2019
8	Magnesium as Mg, mg/L	21.6	30	100	IS 3025 (Part - 46): 1994 Reaff.2019
9	Total dissolved Solids, mg/L	720.0	500	2000	IS 3025 (Part - 16): 1984 Reaff.2017
10	Sulphate as SO ₄ , mg/L	54.0	200	400	IS 3025 (Part - 24): 1986 Reaff.2019
11	Nitrate as NO ₃ , mg/L	8.6	45.0	No relaxation	APHA 23 rd Edition
12	Fluoride as F, mg/L	0.5	1.0	1.5	APHA 23 rd Edition
13	Iron as Fe, mg/L	BDL	0.3	No relaxation	APHA 23 rd Edition
14	Lead as Pb, mg/L	BDL	0.01	No relaxation	IS 3025 (Part - 47): 1994 Reaff. 2019
15	Copper as Cu, mg/L	BDL	0.05	1.5	APHA 23 rd Edition
16	Zinc as Zn, mg/L	0.25	5	15	IS 3025 (Part - 49): 1994 Reaff. 2019

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S. S. S. 29/06/21
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Report No.	: RE/2021/00634
Report date	: 29/06/2021
Reference	: Test Request Form
Sample receipt date	: 24/06/2021
Job Order No	: RE/2021/00634
Date of Sampling	: 21/06/2021
Analysis start date	: 25/06/2021
Analysis completion date	: 28/06/2021
Sampling Protocol	: E/WP/65

Sample Qty: 2 Ltrs

Name of the Industrial Area: Nandur Kesaratagi Industrial Area, 2nd Phase, Gulbarga Taluk & District. (Ext -198.36 A)

Sample Particulars: One sample of Borewell Water- Near Nandur Kesaratagi Industrial Area.

Sl. No.	Tests	Results	Maximum Desirable Limit IS 10500: 2012	Maximum Permissible Limit IS 10500: 2012	Protocol
17	Chromium as Cr, mg/L	BDL	0.05	No relaxation	APHA 23 rd Edition
18	Dissolved oxygen, mg/L	1.98	-	-	APHA 23 rd Edition

Note: BDL for Cr: 0.05, Fe: 0.05, Pb:0.01, Zn:0.05, SO₄: 5.0, NO₃:5.0, F:0.1.

Remarks: The given water sample complies to IS: 10500-2012 specification for above tested parameters.

-----END OF THE REPORT-----

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29/6/2021
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Report No.	: RE/2021/00635
Report date	: 29/06/2021
Reference	: Test Request Form
Sample receipt date	: 24/06/2021
Job Order No	: RE/2021/00635
Date of Sampling	: 21/06/2021
Analysis start date	: 25/06/2021
Analysis completion date	: 28/06/2021
Sampling Protocol	: E/WP/65

Sample Qty: 2 Ltrs

Name of the Industrial Area: Nandur Kesaratagi Industrial Area, 2nd Phase, Gulbarga Taluk & District. (Ext -198.36 A)

Sample Particulars: One sample of Borewell Water – Near Kesaratangi Tanda.

Sl. No.	Tests	Results	Maximum Desirable Limit IS 10500: 2012	Maximum Permissible Limit IS 10500: 2012	Protocol
Description: Colorless liquid.					
1	Color (hazen units)	<2.0	5	15	IS 3025 (Part- 4): 1983 Reaff.2017
2	Odour	Agreeable	Agreeable	Agreeable	IS 3025 (Part – 5): 1983 Reaff.2018
3	pH Value	7.12	6.5 – 8.5	No relaxation	IS 3025 (Part – 11): 1983 Reaff.2017
4	Turbidity, NTU	0.4	1	5	IS 3025 (Part – 10): 1984 Reaff.2017
5	Chloride as Cl, mg/L	463.18	250	1000	IS 3025 (Part – 32): 1988 Reaff.2019
6	Total hardness as CaCO ₃ , mg/L	537.72	200	600	IS 3025 (Part – 21): 2009 Reaff.2019
7	Calcium as Ca, mg/L	108.52	75	200	IS 3025 (Part – 40): 1991 Reaff.2019
8	Magnesium as Mg, mg/L	64.73	30	100	IS 3025 (Part – 46): 1994 Reaff.2019
9	Total dissolved Solids, mg/L	1342.0	500	2000	IS 3025 (Part – 16): 1984 Reaff.2017
10	Sulphate as SO ₄ , mg/L	128.0	200	400	IS 3025 (Part – 24): 1986 Reaff.2019
11	Nitrate as NO ₃ , mg/L	28.4	45.0	No relaxation	APHA 23 rd Edition
12	Fluoride as F, mg/L	0.8	1.0	1.5	APHA 23 rd Edition
13	Iron as Fe, mg/L	0.3	0.3	No relaxation	APHA 23 rd Edition
14	Lead as Pb, mg/L	BDL	0.01	No relaxation	IS 3025 (Part – 47): 1994 Reaff 2019
15	Copper as Cu, mg/L	BDL	0.05	1.5	APHA 23 rd Edition
16	Zinc as Zn, mg/L	0.8	5	15	IS 3025 (Part – 49): 1994 Reaff 2019

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TEST REPORT

M/s. Karnataka Industrial Areas Development Board (KIADB).

No. 49, 4th & 5th Floor, East Wing, Khanija Bhavan,
Race Course Road, Bengaluru,
Karnataka 560 001.

Report No.	: RE/2021/00635
Report date	: 29/06/2021
Reference	: Test Request Form
Sample receipt date	: 24/06/2021
Job Order No	: RE/2021/00635
Date of Sampling	: 21/06/2021
Analysis start date	: 25/06/2021
Analysis completion date	: 28/06/2021
Sampling Protocol	: E/WP/65

Sample Qty: 2 Ltrs

Name of the Industrial Area: Nandur Kesaratagi Industrial Area, 2nd Phase, Gulbarga Taluk & District. (Ext -198.36 A)

Sample Particulars: One sample of Borewell Water – Near Kesaratangi Tanda.

Sl. No.	Tests	Results	Maximum Desirable Limit IS 10500: 2012	Maximum Permissible Limit IS 10500: 2012	Protocol
17	Chromium as Cr, mg/L	BDL	0.05	No relaxation	APHA 23 rd Edition
18	Dissolved oxygen, mg/L	2.5	-	-	APHA 23 rd Edition

Note: BDL for Cr: 0.05, Fe: 0.05, Pb:0.01, Zn:0.05, SO₄: 5.0, NO₃:5.0, F:0.1.

Remarks: The given water sample complies to IS: 10500-2012 specification for above tested parameters.

-----END OF THE REPORT-----

Santhosh Kumar
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TEST REPORT



M/s. Karnataka Industrial Areas Development Board (KIADB).

No. 49, 4th & 5th Floor, East Wing, Khanija Bhavan,
Race Course Road, Bengaluru,
Karnataka 560 001.

Report No.	: RE/2021/00636
Report date	: 29/06/2021
Reference	: Test Request Form
Sample receipt date	: 24/06/2021
Job Order No	: RE/2021/00636
Date of Sampling	: 21/06/2021
Analysis start date	: 25/06/2021
Analysis completion date	: 28/06/2021
Sampling Protocol	: E/WP/65

Sample Qty: 2 Ltrs

Name of the Industrial Area: Nandur Kesaratagi Industrial Area, 2nd Phase, Gulbarga Taluk & District. (Ext -198.36 A)

Sample Particulars: One sample of Borewell Water – Near Nandikur Tanda.

Sl. No.	Tests	Results	Maximum Desirable Limit IS 10500: 2012	Maximum Permissible Limit IS 10500: 2012	Protocol
Description: Colorless liquid.					
1	Color (hazen units)	<2.0	5	15	IS 3025 (Part- 4): 1983 Reaff.2017
2	Odour	Agreeable	Agreeable	Agreeable	IS 3025 (Part – 5): 1983 Reaff.2018
3	pH Value	7.1	6.5 – 8.5	No relaxation	IS 3025 (Part – 11): 1983 Reaff.2017
4	Turbidity, NTU	0.5	1	5	IS 3025 (Part – 10): 1984 Reaff.2017
5	Chloride as Cl, mg/L	142.9	250	1000	IS 3025 (Part – 32): 1988 Reaff.2019
6	Total hardness as CaCO ₃ , mg/L	337.7	200	600	IS 3025 (Part – 21): 2009 Reaff.2019
7	Calcium as Ca, mg/L	81.8	75	200	IS 3025 (Part – 40): 1991 Reaff.2019
8	Magnesium as Mg, mg/L	32.4	30	100	IS 3025 (Part – 46): 1994 Reaff.2019
9	Total dissolved Solids, mg/L	792.0	500	2000	IS 3025 (Part – 16): 1984 Reaff.2017
10	Sulphate as SO ₄ , mg/L	69.0	200	400	IS 3025 (Part – 24): 1986 Reaff.2019
11	Nitrate as NO ₃ , mg/L	11.3	45.0	No relaxation	APHA 23 rd Edition
12	Fluoride as F, mg/L	0.6	1.0	1.5	APHA 23 rd Edition
13	Iron as Fe, mg/L	0.2	0.3	No relaxation	APHA 23 rd Edition
14	Lead as Pb, mg/L	BDL	0.01	No relaxation	IS 3025 (Part – 47): 1994 Reaff 2019
15	Copper as Cu, mg/L	BDL	0.05	1.5	APHA 23 rd Edition
16	Zinc as Zn, mg/L	0.26	5	15	IS 3025 (Part – 49): 1994 Reaff 2019

Lakshmi Bai S
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Report No.	: RE/2021/00636
Report date	: 29/06/2021
Reference	: Test Request Form
Sample receipt date	: 24/06/2021
Job Order No	: RE/2021/00636
Date of Sampling	: 21/06/2021
Analysis start date	: 25/06/2021
Analysis completion date	: 28/06/2021
Sampling Protocol	: E/WP/65

Sample Qty: 2 Ltrs

Name of the Industrial Area: Nandur Kesaratagi Industrial Area, 2nd Phase, Gulbarga Taluk & District. (Ext -198.36 A)

Sample Particulars: One sample of Borewell Water – Near Nandikur Tanda.

Sl. No.	Tests	Results	Maximum Desirable Limit IS 10500: 2012	Maximum Permissible Limit IS 10500: 2012	Protocol
17	Chromium as Cr, mg/L	BDL	0.05	No relaxation	APHA 23 rd Edition
18	Dissolved oxygen, mg/L	2.4	-	-	APHA 23 rd Edition

Note: BDL for Cr: 0.05, Fe: 0.05, Pb:0.01, Zn:0.05, SO₄: 5.0, NO₃:5.0, F:0.1.

Remarks: The given water sample complies to IS: 10500-2012 specification for above tested parameters.

-----END OF THE REPORT-----

Lakshmi S
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Report No.	: RE/2021/00637
Report date	: 29/06/2021
Reference	: Test Request Form
Sample receipt date	: 24/06/2021
Job Order No	: RE/2021/00637
Date of Sampling	: 21/06/2021
Analysis start date	: 25/06/2021
Analysis completion date	: 28/06/2021
Sampling Protocol	: E/WP/65

Sample Qty: 2 Ltrs

Name of the Industrial Area: Nandur Kesaratagi Industrial Area, 2nd Phase, Gulbarga Taluk & District. (Ext -198.36 A)

Sample Particulars: One sample of Borewell Water – Near Kusnoor village.

Sl. No.	Tests	Results	Maximum Desirable Limit IS 10500: 2012	Maximum Permissible Limit IS 10500: 2012	Protocol
Description: Colorless liquid.					
1	Color (hazen units)	<2.0	5	15	IS 3025 (Part- 4): 1983 Reaff.2017
2	Odour	Agreeable	Agreeable	Agreeable	IS 3025 (Part – 5): 1983 Reaff.2018
3	pH Value	6.92	6.5 – 8.5	No relaxation	IS 3025 (Part – 11): 1983 Reaff.2017
4	Turbidity, NTU	4.5	1	5	IS 3025 (Part – 10): 1984 Reaff.2017
5	Chloride as Cl, mg/L	157.7	250	1000	IS 3025 (Part – 32): 1988 Reaff.2019
6	Total hardness as CaCO ₃ , mg/L	360.0	200	600	IS 3025 (Part – 21): 2009 Reaff.2019
7	Calcium as Ca, mg/L	81.8	75	200	IS 3025 (Part – 40): 1991 Reaff.2019
8	Magnesium as Mg, mg/L	37.8	30	100	IS 3025 (Part – 46): 1994 Reaff.2019
9	Total dissolved Solids, mg/L	693.0	500	2000	IS 3025 (Part – 16): 1984 Reaff.2017
10	Sulphate as SO ₄ , mg/L	74.0	200	400	IS 3025 (Part – 24): 1986 Reaff.2019
11	Nitrate as NO ₃ , mg/L	12.9	45.0	No relaxation	APHA 23 rd Edition
12	Fluoride as F, mg/L	0.8	1.0	1.5	APHA 23 rd Edition
13	Iron as Fe, mg/L	0.2	0.3	No relaxation	APHA 23 rd Edition
14	Lead as Pb, mg/L	BDL	0.01	No relaxation	IS 3025 (Part – 47): 1994 Reaff 2019
15	Copper as Cu, mg/L	BDL	0.05	1.5	APHA 23 rd Edition
16	Zinc as Zn, mg/L	0.14	5	15	IS 3025 (Part – 49): 1994 Reaff 2019

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Report No.	: RE/2021/00637
Report date	: 29/06/2021
Reference	: Test Request Form
Sample receipt date	: 24/06/2021
Job Order No	: RE/2021/00637
Date of Sampling	: 21/06/2021
Analysis start date	: 25/06/2021
Analysis completion date	: 28/06/2021
Sampling Protocol	: E/WP/65

Sample Qty: 2 Ltrs

Name of the Industrial Area: Nandur Kesaratagi Industrial Area, 2nd Phase, Gulbarga Taluk & District. (Ext -198.36 A)

Sample Particulars: One sample of Borewell Water – Near Kusnoor village.

Sl. No.	Tests	Results	Maximum Desirable Limit IS 10500: 2012	Maximum Permissible Limit IS 10500: 2012	Protocol
17	Chromium as Cr, mg/L	BDL	0.05	No relaxation	APHA 23 rd Edition
18	Dissolved oxygen, mg/L	3.2	-	-	APHA 23 rd Edition

Note: BDL for Cr: 0.05, Fe: 0.05, Pb:0.01, Zn:0.05, SO₄: 5.0, NO₃:5.0, F:0.1.

Remarks: The given water sample complies to IS: 10500-2012 specification for above tested parameters.

-----END OF THE REPORT-----

Lowes Jayaraj
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M/s. Karnataka Industrial Areas Development Board (KIADB).

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Report No. : RE/2021/00638

Report date : 29/06/2021

Reference : Test Request Form

Sample receipt date : 24/06/2021

Job Order No : RE/2021/00638

Date of Sampling : 21/06/2021

Analysis start date : 25/06/2021

Analysis completion date : 28/06/2021

Sampling Protocol : E/WP/65

Sample Qty: 2 Ltrs

Name of the Industrial Area: Nandur Kesaratagi Industrial Area, 2nd Phase, Gulbarga Taluk & District. (Ext -198.36 A)

Sample Particulars: One sample of Borewell Water – Near Zapur village.

Sl. No.	Tests	Results	Maximum Desirable Limit IS 10500: 2012	Maximum Permissible Limit IS 10500: 2012	Protocol
Description: Colorless liquid.					
1	Color (hazen units)	<2.0	5	15	IS 3025 (Part- 4): 1983 Reaff.2017
2	Odour	Agreeable	Agreeable	Agreeable	IS 3025 (Part – 5): 1983 Reaff.2018
3	pH Value	7.4	6.5 – 8.5	No relaxation	IS 3025 (Part – 11): 1983 Reaff.2017
4	Turbidity, NTU	0.5	1	5	IS 3025 (Part – 10): 1984 Reaff.2017
5	Chloride as Cl, mg/L	172.5	250	1000	IS 3025 (Part – 32): 1988 Reaff.2019
6	Total hardness as CaCO ₃ , mg/L	346.6	200	600	IS 3025 (Part – 21): 2009 Reaff.2019
7	Calcium as Ca, mg/L	87.2	75	200	IS 3025 (Part – 40): 1991 Reaff.2019
8	Magnesium as Mg, mg/L	31.29	30	100	IS 3025 (Part – 46): 1994 Reaff.2019
9	Total dissolved Solids, mg/L	793.0	500	2000	IS 3025 (Part – 16): 1984 Reaff.2017
10	Sulphate as SO ₄ , mg/L	64.0	200	400	IS 3025 (Part – 24): 1986 Reaff.2019
11	Nitrate as NO ₃ , mg/L	10.5	45.0	No relaxation	APHA 23 rd Edition
12	Fluoride as F, mg/L	0.6	1.0	1.5	APHA 23 rd Edition
13	Iron as Fe, mg/L	0.21	0.3	No relaxation	APHA 23 rd Edition
14	Lead as Pb, mg/L	BDL	0.01	No relaxation	IS 3025 (Part – 47): 1994 Reaff 2019
15	Copper as Cu, mg/L	BDL	0.05	1.5	APHA 23 rd Edition
16	Zinc as Zn, mg/L	0.35	5	15	IS 3025 (Part – 49): 1994 Reaff 2019

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Report No.	: RE/2021/00638
Report date	: 29/06/2021
Reference	: Test Request Form
Sample receipt date	: 24/06/2021
Job Order No	: RE/2021/00638
Date of Sampling	: 21/06/2021
Analysis start date	: 25/06/2021
Analysis completion date	: 28/06/2021
Sampling Protocol	: E/WP/65

Sample Qty: 2 Ltrs

Name of the Industrial Area: Nandur Kesaratagi Industrial Area, 2nd Phase, Gulbarga Taluk & District. (Ext -198.36 A)

Sample Particulars: One sample of Borewell Water – Near Zapur village.

Sl. No.	Tests	Results	Maximum Desirable Limit IS 10500: 2012	Maximum Permissible Limit IS 10500: 2012	Protocol
17	Chromium as Cr, mg/L	BDL	0.05	No relaxation	APHA 23 rd Edition
18	Dissolved oxygen, mg/L	2.6	-	-	APHA 23 rd Edition

Note: BDL for Cr: 0.05, Fe: 0.05, Pb:0.01, Zn:0.05, SO₄: 5.0, NO₃:5.0, F:0.1.

Remarks: The given water sample complies to IS: 10500-2012 specification for above tested parameters.

-----END OF THE REPORT-----

Deekshu Bais
29/6/21
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Report No.	: RE/2021/00639
Report date	: 29/06/2021
Reference	: Test Request Form
Sample receipt date	: 24/06/2021
Job Order No	: RE/2021/00639
Date of Sampling	: 21/06/2021
Analysis start date	: 25/06/2021
Analysis completion date	: 28/06/2021
Sampling Protocol	: E/WP/65

Sample Qty: 2 Ltrs

Name of the Industrial Area: Nandur Kesaratagi Industrial Area, 2nd Phase, Gulbarga Taluk & District. (Ext -198.36 A)

Sample Particulars: One sample of Borewell Water - Near Hirenandoor Village.

Sl. No.	Tests	Results	Maximum Desirable Limit IS 10500: 2012	Maximum Permissible Limit IS 10500: 2012	Protocol
Description: Colorless liquid.					
1	Color (hazen units)	<2.0	5	15	IS 3025 (Part- 4): 1983 Reaff.2017
2	Odour	Agreeable	Agreeable	Agreeable	IS 3025 (Part - 5): 1983 Reaff.2018
3	pH Value	7.2	6.5 - 8.5	No relaxation	IS 3025 (Part - 11): 1983 Reaff.2017
4	Turbidity, NTU	0.4	1	5	IS 3025 (Part - 10): 1984 Reaff.2017
5	Chloride as Cl, mg/L	142.9	250	1000	IS 3025 (Part - 32): 1988 Reaff.2019
6	Total hardness as CaCO ₃ , mg/L	351.1	200	600	IS 3025 (Part - 21): 2009 Reaff.2019
7	Calcium as Ca, mg/L	90.7	75	200	IS 3025 (Part - 40): 1991 Reaff.2019
8	Magnesium as Mg, mg/L	30.2	30	100	IS 3025 (Part - 46): 1994 Reaff.2019
9	Total dissolved Solids, mg/L	687.0	500	2000	IS 3025 (Part - 16): 1984 Reaff.2017
10	Sulphate as SO ₄ , mg/L	98.6	200	400	IS 3025 (Part - 24): 1986 Reaff.2019
11	Nitrate as NO ₃ , mg/L	9.7	45.0	No relaxation	APHA 23 rd Edition
12	Fluoride as F, mg/L	0.4	1.0	1.5	APHA 23 rd Edition
13	Iron as Fe, mg/L	0.25	0.3	No relaxation	APHA 23 rd Edition
14	Lead as Pb, mg/L	BDL	0.01	No relaxation	IS 3025 (Part - 47): 1994 Reaff 2019
15	Copper as Cu, mg/L	BDL	0.05	1.5	APHA 23 rd Edition
16	Zinc as Zn, mg/L	0.15	5	15	IS 3025 (Part - 49): 1994 Reaff 2019

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M/s. Karnataka Industrial Areas Development Board (KIADB).

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Karnataka 560 001.

Report No.	: RE/2021/00639
Report date	: 29/06/2021
Reference	: Test Request Form
Sample receipt date	: 24/06/2021
Job Order No	: RE/2021/00639
Date of Sampling	: 21/06/2021
Analysis start date	: 25/06/2021
Analysis completion date	: 28/06/2021
Sampling Protocol	: E/WP/65

Sample Qty: 2 Ltrs

Name of the Industrial Area: Nandur Kesaratagi Industrial Area, 2nd Phase, Gulbarga Taluk & District. (Ext -198.36 A)

Sample Particulars: One sample of Borewell Water – Near Hirendoor Village.

Sl. No.	Tests	Results	Maximum Desirable Limit IS 10500: 2012	Maximum Permissible Limit IS 10500: 2012	Protocol
17	Chromium as Cr, mg/L	BDL	0.05	No relaxation	APHA 23 rd Edition
18	Dissolved oxygen, mg/L	3.5	-	-	APHA 23 rd Edition

Note: BDL for Cr: 0.05, Fe: 0.05, Pb: 0.01, Zn: 0.05, SO₄: 5.0, NO₃: 5.0, F: 0.1.

Remarks: The given water sample complies to IS: 10500-2012 specification for above tested parameters.

-----END OF THE REPORT-----

Lakshmi Bais
29/6/21
Verified by

S. S. S. 29/06/21
Authorized by

Note: 1. The results listed refer only to the tested samples and applicable parameters. 2. Test certificate should not be reproduced except in full, without written approval of the laboratory. 3. The submitted samples are drawn by the laboratory unless otherwise specified. 4. Endorsement of product is neither inferred nor implied. 5. Samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified. 6. This report cannot be used as evidence in the court of law & should not be used in any advertising media without our permission in writing. 7. Total liability of our lab is limited to the invoice amount and any disputes arising out of this report are subject to Bangalore jurisdiction only. 8. Laboratory is not responsible for the authenticity of photocopied test reports.



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Email : info@robustmaterials.com Website : www.robustmaterials.com

TEST REPORT



M/s. Karnataka Industrial Areas Development Board (KIADB).

No. 49, 4th & 5th Floor, East Wing, Khanija Bhavan,
Race Course Road, Bengaluru,
Karnataka 560 001.

Report No. : RE/2021/00640

Report date : 29/06/2021

Reference : Test Request Form

Sample receipt date : 24/06/2021

Job Order No : RE/2021/00640

Date of Sampling : 21/06/2021

Analysis start date : 25/06/2021

Analysis completion date : 28/06/2021

Sampling Protocol : E/WP/65

Sample Qty: 2 Ltrs

Name of the Industrial Area: Nandur Kesaratagi Industrial Area, 2nd Phase, Gulbarga Taluk & District. (Ext -198.36 A)

Sample Particulars: One sample of Borewell Water – Near Martur Village.

Sl. No.	Tests	Results	Maximum Desirable Limit IS 10500: 2012	Maximum Permissible Limit IS 10500: 2012	Protocol
Description: Colorless liquid.					
1	Color (hazen units)	<2.0	5	15	IS 3025 (Part- 4): 1983 Reaff.2017
2	Odour	Agreeable	Agreeable	Agreeable	IS 3025 (Part – 5): 1983 Reaff.2018
3	pH Value	7.2	6.5 – 8.5	No relaxation	IS 3025 (Part – 11): 1983 Reaff.2017
4	Turbidity, NTU	0.4	1	5	IS 3025 (Part – 10): 1984 Reaff.2017
5	Chloride as Cl, mg/L	167.5	250	1000	IS 3025 (Part – 32): 1988 Reaff.2019
6	Total hardness as CaCO ₃ , mg/L	368.9	200	600	IS 3025 (Part – 21): 2009 Reaff.2019
7	Calcium as Ca, mg/L	96.07	75	200	IS 3025 (Part – 40): 1991 Reaff.2019
8	Magnesium as Mg, mg/L	31.3	30	100	IS 3025 (Part – 46): 1994 Reaff.2019
9	Total dissolved Solids, mg/L	795.0	500	2000	IS 3025 (Part – 16): 1984 Reaff.2017
10	Sulphate as SO ₄ , mg/L	74.9	200	400	IS 3025 (Part – 24): 1986 Reaff.2019
11	Nitrate as NO ₃ , mg/L	14.2	45.0	No relaxation	APHA 23 rd Edition
12	Fluoride as F, mg/L	0.4	1.0	1.5	APHA 23 rd Edition
13	Iron as Fe, mg/L	0.25	0.3	No relaxation	APHA 23 rd Edition
14	Lead as Pb, mg/L	BDL	0.01	No relaxation	IS 3025 (Part – 47): 1994 Reaff 2019
15	Copper as Cu, mg/L	BDL	0.05	1.5	APHA 23 rd Edition
16	Zinc as Zn, mg/L	0.35	5	15	IS 3025 (Part – 49): 1994 Reaff 2019

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TEST REPORT

M/s. Karnataka Industrial Areas Development Board (KIADB).

No. 49, 4th & 5th Floor, East Wing, Khanija Bhavan,
Race Course Road, Bengaluru,
Karnataka 560 001.

Report No.	: RE/2021/00640
Report date	: 29/06/2021
Reference	: Test Request Form
Sample receipt date	: 24/06/2021
Job Order No	: RE/2021/00640
Date of Sampling	: 21/06/2021
Analysis start date	: 25/06/2021
Analysis completion date	: 28/06/2021
Sampling Protocol	: E/WP/65

Sample Qty: 2 Ltrs

Name of the Industrial Area: Nandur Kesaratagi Industrial Area, 2nd Phase, Gulbarga Taluk & District. (Ext -198.36 A)

Sample Particulars: One sample of Borewell Water – Near Martur Village.

Sl. No.	Tests	Results	Maximum Desirable Limit IS 10500: 2012	Maximum Permissible Limit IS 10500: 2012	Protocol
17	Chromium as Cr, mg/L	BDL	0.05	No relaxation	APHA 23 rd Edition
18	Dissolved oxygen, mg/L	3.6	-	-	APHA 23 rd Edition

Note: BDL for Cr: 0.05, Fe: 0.05, Pb:0.01, Zn:0.05, SO₄: 5.0, NO₃:5.0, F:0.1.

Remarks: The given water sample complies to IS: 10500-2012 specification for above tested parameters.

-----END OF THE REPORT-----

Lakshmi P. S.
29/6/21
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S. B. S. 29/06/21
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M/s. Karnataka Industrial Areas Development Board (KIADB).

No. 49, 4th & 5th Floor, East Wing, Khanija Bhavan,
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Karnataka 560 001.

Report No.	: RE/2021/00641
Report date	: 29/06/2021
Reference	: Test Request Form
Sample receipt date	: 24/06/2021
Job Order No	: RE/2021/00641
Date of Sampling	: 21/06/2021
Analysis start date	: 25/06/2021
Analysis completion date	: 28/06/2021
Sampling Protocol	: E/WP/65

Sample Qty: 2 Ltrs

Name of the Industrial Area: Nandur Kesaratagi Industrial Area, 2nd Phase, Gulbarga Taluk & District. (Ext -198.36 A)

Sample Particulars: One sample of Borewell Water – Near Sitnoor Layout.

Sl. No.	Tests	Results	Maximum Desirable Limit IS 10500: 2012	Maximum Permissible Limit IS 10500: 2012	Protocol
Description: Colorless liquid.					
1	Color (hazen units)	<2.0	5	15	IS 3025 (Part- 4): 1983 Reaff.2017
2	Odour	Agreeable	Agreeable	Agreeable	IS 3025 (Part – 5): 1983 Reaff.2018
3	pH Value	7.1	6.5 – 8.5	No relaxation	IS 3025 (Part – 11): 1983 Reaff.2017
4	Turbidity, NTU	0.3	1	5	IS 3025 (Part – 10): 1984 Reaff.2017
5	Chloride as Cl, mg/L	192.2	250	1000	IS 3025 (Part – 32): 1988 Reaff.2019
6	Total hardness as CaCO ₃ , mg/L	395.5	200	600	IS 3025 (Part – 21): 2009 Reaff.2019
7	Calcium as Ca, mg/L	108.5	75	200	IS 3025 (Part – 40): 1991 Reaff.2019
8	Magnesium as Mg, mg/L	30.2	30	100	IS 3025 (Part – 46): 1994 Reaff.2019
9	Total dissolved Solids, mg/L	930.0	500	2000	IS 3025 (Part – 16): 1984 Reaff.2017
10	Sulphate as SO ₄ , mg/L	65.9	200	400	IS 3025 (Part – 24): 1986 Reaff.2019
11	Nitrate as NO ₃ , mg/L	13.2	45.0	No relaxation	APHA 23 rd Edition
12	Fluoride as F, mg/L	0.4	1.0	1.5	APHA 23 rd Edition
13	Iron as Fe, mg/L	0.21	0.3	No relaxation	APHA 23 rd Edition
14	Lead as Pb, mg/L	BDL	0.01	No relaxation	IS 3025 (Part – 47): 1994 Reaff 2019
15	Copper as Cu, mg/L	BDL	0.05	1.5	APHA 23 rd Edition
16	Zinc as Zn, mg/L	0.45	5	15	IS 3025 (Part – 49): 1994 Reaff 2019

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Report No. : RE/2021/00641

Report date : 29/06/2021

Reference : Test Request Form

Sample receipt date : 24/06/2021

Job Order No : RE/2021/00641

Date of Sampling : 21/06/2021

Analysis start date : 25/06/2021

Analysis completion date : 28/06/2021

Sampling Protocol : E/WP/65

Sample Qty: 2 Ltrs

Name of the Industrial Area: Nandur Kesaratagi Industrial Area, 2nd Phase, Gulbarga Taluk & District. (Ext -198.36 A)

Sample Particulars: One sample of Borewell Water – Near Sitnoor Layout.

Sl. No.	Tests	Results	Maximum Desirable Limit IS 10500: 2012	Maximum Permissible Limit IS 10500: 2012	Protocol
17	Chromium as Cr, mg/L	BDL	0.05	No relaxation	APHA 23 rd Edition
18	Dissolved oxygen, mg/L	4.1	-	-	APHA 23 rd Edition

Note: BDL for Cr: 0.05, Fe: 0.05, Pb:0.01, Zn:0.05, SO₄: 5.0, NO₃:5.0, F:0.1.

Remarks: The given water sample complies to IS: 10500-2012 specification for above tested parameters.

-----END OF THE REPORT-----

Lakshmi
29/6/21
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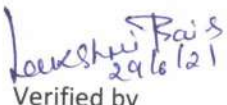

No. 49, 4th & 5th Floor, East Wing, Khanija Bhavan,
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Karnataka 560 001.

Report No.	: RE/2021/00642
Report date	: 29/06/2021
Reference	: Test Request Form
Sample receipt date	: 24/06/2021
Job Order No	: RE/2021/00642
Date of Sampling	: 21/06/2021
Analysis start date	: 25/06/2021
Analysis completion date	: 28/06/2021
Sampling Protocol	: E/WP/77

Sample Qty: 1kg

Name of the Industrial Area: Nandur Kesaratagi Industrial Area, 2nd Phase, Gulbarga Taluk & District. (Ext -198.36 A).

Sample Particulars: One Soil Sample- Near Nandur Kesaratagi Industrial Area- Project Site.

Sl. No.	Test	Result	Protocol
Description: Brown Colored Soil.			
1	pH (20% Suspension)	8.04	Practical Manual for Hands on training GKV Bengaluru
2	Conductivity, $\mu\text{mhos/cm}$	110.0	Practical Manual for Hands on training GKV Bengaluru
3	Chloride as Cl, mg/Kg	242.1	Practical Manual for Hands on training GKV Bengaluru
4	Moisture, %	4.7	Practical Manual for Hands on training GKV Bengaluru
5	Organic Matter, %	1.40	Practical Manual for Hands on training GKV Bengaluru
6	Calcium as Ca, mg/Kg	1771.9	Practical Manual for Hands on training GKV Bengaluru
7	Magnesium Mg, mg/Kg	531.6	Practical Manual for Hands on training GKV Bengaluru
<div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="text-align: center;">  Verified by </div> <div style="text-align: center;">  Authorized Signatory </div> </div>			
Page 1 of 2			

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TEST REPORT

M/s. Karnataka Industrial Areas Development Board (KIADB).

No. 49, 4th & 5th Floor, East Wing, Khanija Bhavan,
Race Course Road, Bengaluru,
Karnataka 560 001.

Report No.	: RE/2021/00642
Report date	: 29/06/2021
Reference	: Test Request Form
Sample receipt date	: 24/06/2021
Job Order No	: RE/2021/00642
Date of Sampling	: 21/06/2021
Analysis start date	: 25/06/2021
Analysis completion date	: 28/06/2021
Sampling Protocol	: E/WP/77

Sample Qty: 1kg

Name of the Industrial Area: Nandur Kesaratagi Industrial Area, 2nd Phase, Gulbarga Taluk & District. (Ext -198.36 A).

Sample Particulars: One Soil Sample- Near Nandur Kesaratagi Industrial Area- Project Site.

Sl. No.	Test	Result	Protocol
8	Colour	Brown	Practical Manual for Hands on training GKV Bengaluru
9	Sulphur as S, mg/Kg	1.54	Practical Manual for Hands on training GKV Bengaluru
10	Nitrogen as N, %	0.01	Practical Manual for Hands on training GKV Bengaluru
11	Phosphorous as P, mg/Kg	4.15	Practical Manual for Hands on training GKV Bengaluru
12	Potassium as K, mg/Kg	49.23	Practical Manual for Hands on training GKV Bengaluru
13	Copper as Cu, mg/Kg	12.67	Practical Manual for Hands on training GKV Bengaluru
14	Chromium as Cr, mg/Kg	8.08	Practical Manual for Hands on training GKV Bengaluru
15	Zinc as Zn, mg/Kg	8.11	Practical Manual for Hands on training GKV Bengaluru
16	Lead as Pb, mg/Kg	6.42	Practical Manual for Hands on training GKV Bengaluru
17	Nickel as Ni, mg/Kg	0.57	Practical Manual for Hands on training GKV Bengaluru
18	Cadmium as Cd, mg/Kg	<0.1	Practical Manual for Hands on training GKV Bengaluru

-----END OF THE REPORT-----

Lakshmi
29/6/21
Verified by

S. S. S.
29/06/21
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M/s. Karnataka Industrial Areas Development Board (KIADB).

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Report No.	: RE/2021/00643
Report date	: 29/06/2021
Reference	: Test Request Form
Sample receipt date	: 24/06/2021
Job Order No	: RE/2021/00643
Date of Sampling	: 21/06/2021
Analysis start date	: 25/06/2021
Analysis completion date	: 28/06/2021
Sampling Protocol	: E/WP/77

Sample Qty: 1kg

Name of the Industrial Area: Nandur Kesaratagi Industrial Area, 2nd Phase, Gulbarga Taluk & District. (Ext -198.36 A).

Sample Particulars: One Soil Sample – Near Kesaratagi Tanda.

Sl. No.	Test	Result	Protocol
Description: Brown Colored Soil.			
1	pH (20% Suspension)	7.26	Practical Manual for Hands on training GKV Bengaluru
2	Conductivity, $\mu\text{mhos/cm}$	58.0	Practical Manual for Hands on training GKV Bengaluru
3	Chloride as Cl, mg/Kg	216.6	Practical Manual for Hands on training GKV Bengaluru
4	Moisture, %	4.6	Practical Manual for Hands on training GKV Bengaluru
5	Organic Matter, %	1.0	Practical Manual for Hands on training GKV Bengaluru
6	Calcium as Ca, mg/Kg	1344.8	Practical Manual for Hands on training GKV Bengaluru
7	Magnesium Mg, mg/Kg	756.0	Practical Manual for Hands on training GKV Bengaluru

Santhosh R
29/6/21
Verified by

S. R. 29/06/21
Authorized Signatory

Note: 1. The results listed refer only to the tested samples and applicable parameters. 2. Test certificate should not be reproduced except in full, without written approval of the laboratory. 3. The submitted samples are drawn by the laboratory unless otherwise specified. 4. Endorsement of product is neither inferred nor implied. 5. Samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified. 6. This report cannot be used as evidence in the court of law & should not be used in any advertising media without our permission in writing. 7. Total liability of our lab is limited to the invoice amount and any disputes arising out of this report are subject to Bangalore jurisdiction only. 8. Laboratory is not responsible for the authenticity of photocopied test reports.

TEST REPORT

M/s. Karnataka Industrial Areas Development Board (KIADB).

No. 49, 4th & 5th Floor, East Wing, Khanija Bhavan,
Race Course Road, Bengaluru,
Karnataka 560 001.

Report No.	: RE/2021/00643
Report date	: 29/06/2021
Reference	: Test Request Form
Sample receipt date	: 24/06/2021
Job Order No	: RE/2021/00643
Date of Sampling	: 21/06/2021
Analysis start date	: 25/06/2021
Analysis completion date	: 28/06/2021
Sampling Protocol	: E/WP/77

Sample Qty: 1kg

Name of the Industrial Area: Nandur Kesaratagi Industrial Area, 2nd Phase, Gulbarga Taluk & District. (Ext -198.36 A).

Sample Particulars: One Soil Sample – Near Kesaratagi Tanda.

Sl. No.	Test	Result	Protocol
8	Colour	Brown	Practical Manual for Hands on training GKV Bengaluru
9	Sulphur as S, mg/Kg	3.7	Practical Manual for Hands on training GKV Bengaluru
10	Nitrogen as N, %	0.009	Practical Manual for Hands on training GKV Bengaluru
11	Phosphorous as P, mg/Kg	4.49	Practical Manual for Hands on training GKV Bengaluru
12	Potassium as K, mg/Kg	278.97	Practical Manual for Hands on training GKV Bengaluru
13	Copper as Cu, mg/Kg	8.48	Practical Manual for Hands on training GKV Bengaluru
14	Chromium as Cr, mg/Kg	19.63	Practical Manual for Hands on training GKV Bengaluru
15	Zinc as Zn, mg/Kg	13.12	Practical Manual for Hands on training GKV Bengaluru
16	Lead as Pb, mg/Kg	7.17	Practical Manual for Hands on training GKV Bengaluru
17	Nickel as Ni, mg/Kg	0.7	Practical Manual for Hands on training GKV Bengaluru
18	Cadmium as Cd, mg/Kg	<0.1	Practical Manual for Hands on training GKV Bengaluru

-----END OF THE REPORT-----

Deepshri Rao
29/6/21
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S. B. Rao
29/6/21
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Karnataka 560 001.

Report No.	: RE/2021/00644
Report date	: 29/06/2021
Reference	: Test Request Form
Sample receipt date	: 24/06/2021
Job Order No	: RE/2021/00644
Date of Sampling	: 21/06/2021
Analysis start date	: 25/06/2021
Analysis completion date	: 28/06/2021
Sampling Protocol	: E/WP/77

Sample Qty: 1kg

Name of the Industrial Area: Nandur Kesaratagi Industrial Area, 2nd Phase, Gulbarga Taluk & District. (Ext -198.36 A).

Sample Particulars: One Soil Sample - Near Nandikur Tanda.

Sl. No.	Test	Result	Protocol
Description: Reddish brown Colored Soil.			
1	pH (20% Suspension)	7.3	Practical Manual for Hands on training GKVK Bengaluru
2	Conductivity, μ mhos/cm	78.0	Practical Manual for Hands on training GKVK Bengaluru
3	Chloride as Cl, mg/Kg	340.4	Practical Manual for Hands on training GKVK Bengaluru
4	Moisture, %	4.2	Practical Manual for Hands on training GKVK Bengaluru
5	Organic Matter, %	1.04	Practical Manual for Hands on training GKVK Bengaluru
6	Calcium as Ca, mg/Kg	1275.3	Practical Manual for Hands on training GKVK Bengaluru
7	Magnesium Mg, mg/Kg	962.4	Practical Manual for Hands on training GKVK Bengaluru
<div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="text-align: center;"> Verified by </div> <div style="text-align: center;"> Authorized Signatory </div> </div>			
Page 1 of 2			

Note: 1. The results listed refer only to the tested samples and applicable parameters. 2. Test certificate should not be reproduced except in full, without written approval of the laboratory. 3. The submitted samples are drawn by the laboratory unless otherwise specified. 4. Endorsement of product is neither inferred nor implied. 5. Samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified. 6. This report cannot be used as evidence in the court of law & should not be used in any advertising media without our permission in writing. 7. Total liability of our lab is limited to the invoice amount and any disputes arising out of this report are subject to Bangalore jurisdiction only. 8. Laboratory is not responsible for the authenticity of photocopied test reports.



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Nagarabhavi, Bengaluru - 560 072. Tel : 080 2318 6230

Email : info@robustmaterials.com Website : www.robustmaterials.com

TEST REPORT

M/s. Karnataka Industrial Areas Development Board (KIADB).

No. 49, 4th & 5th Floor, East Wing, Khanija Bhavan,
Race Course Road, Bengaluru,
Karnataka 560 001.

Report No.	: RE/2021/00644
Report date	: 29/06/2021
Reference	: Test Request Form
Sample receipt date	: 24/06/2021
Job Order No	: RE/2021/00644
Date of Sampling	: 21/06/2021
Analysis start date	: 25/06/2021
Analysis completion date	: 28/06/2021
Sampling Protocol	: E/WP/77

Sample Qty: 1kg

Name of the Industrial Area: Nandur Kesaratagi Industrial Area, 2nd Phase, Gulbarga Taluk & District. (Ext -198.36 A).

Sample Particulars: One Soil Sample – Near Nandikur Tanda.

Sl. No.	Test	Result	Protocol
8	Colour	Reddish brown	Practical Manual for Hands on training GKV Bengaluru
9	Sulphur as S, mg/Kg	3.85	Practical Manual for Hands on training GKV Bengaluru
10	Nitrogen as N, %	0.006	Practical Manual for Hands on training GKV Bengaluru
11	Phosphorous as P, mg/Kg	4.05	Practical Manual for Hands on training GKV Bengaluru
12	Potassium as K, mg/Kg	57.95	Practical Manual for Hands on training GKV Bengaluru
13	Copper as Cu, mg/Kg	17.5	Practical Manual for Hands on training GKV Bengaluru
14	Chromium as Cr, mg/Kg	15.9	Practical Manual for Hands on training GKV Bengaluru
15	Zinc as Zn, mg/Kg	8.6	Practical Manual for Hands on training GKV Bengaluru
16	Lead as Pb, mg/Kg	7.54	Practical Manual for Hands on training GKV Bengaluru
17	Nickel as Ni, mg/Kg	0.09	Practical Manual for Hands on training GKV Bengaluru
18	Cadmium as Cd, mg/Kg	<0.1	Practical Manual for Hands on training GKV Bengaluru

-----END OF THE REPORT-----

Lakshmi Bai S
29/6/21
Verified by

S. S. S. S. S.
29/6/21
Authorized by

Note: 1. The results listed refer only to the tested samples and applicable parameters. 2. Test certificate should not be reproduced except in full, without written approval of the laboratory. 3. The submitted samples are drawn by the laboratory unless otherwise specified. 4. Endorsement of product is neither inferred nor implied. 5. Samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified. 6. This report cannot be used as evidence in the court of law & should not be used in any advertising media without our permission in writing. 7. Total liability of our lab is limited to the invoice amount and any disputes arising out of this report are subject to Bangalore jurisdiction only. 8. Laboratory is not responsible for the authenticity of photocopied test reports.



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Email : info@robustmaterials.com Website : www.robustmaterials.com

TEST REPORT



M/s. Karnataka Industrial Areas Development Board (KIADB).

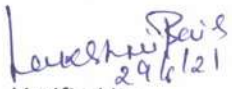
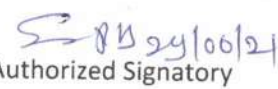
No. 49, 4th & 5th Floor, East Wing, Khanija Bhavan,
Race Course Road, Bengaluru,
Karnataka 560 001.

Report No.	: RE/2021/00645
Report date	: 29/06/2021
Reference	: Test Request Form
Sample receipt date	: 24/06/2021
Job Order No	: RE/2021/00645
Date of Sampling	: 21/06/2021
Analysis start date	: 25/06/2021
Analysis completion date	: 28/06/2021
Sampling Protocol	: E/WP/77

Sample Qty: 1kg

Name of the Industrial Area: Nandur Kesaratagi Industrial Area, 2nd Phase, Gulbarga Taluk & District. (Ext -198.36 A).

Sample Particulars: One Soil Sample – Near Kusnoor village.

Sl. No.	Test	Result	Protocol
Description: Reddish brown Colored Soil.			
1	pH (20% Suspension)	8.2	Practical Manual for Hands on training GKV Bengaluru
2	Conductivity, $\mu\text{mhos/cm}$	73.0	Practical Manual for Hands on training GKV Bengaluru
3	Chloride as Cl, mg/Kg	287.5	Practical Manual for Hands on training GKV Bengaluru
4	Moisture, %	5.6	Practical Manual for Hands on training GKV Bengaluru
5	Organic Matter, %	1.67	Practical Manual for Hands on training GKV Bengaluru
6	Calcium as Ca, mg/Kg	1217.2	Practical Manual for Hands on training GKV Bengaluru
7	Magnesium Mg, mg/Kg	601.2	Practical Manual for Hands on training GKV Bengaluru
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;">  Verified by </div> <div style="text-align: center;">  Authorized Signatory </div> </div>			
Page 1 of 2			

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TEST REPORT

M/s. Karnataka Industrial Areas Development Board (KIADB).

No. 49, 4th & 5th Floor, East Wing, Khanija Bhavan,
Race Course Road, Bengaluru,
Karnataka 560 001.

Report No. : RE/2021/00645

Report date : 29/06/2021

Reference : Test Request Form

Sample receipt date : 24/06/2021

Job Order No : RE/2021/00645

Date of Sampling : 21/06/2021

Analysis start date : 25/06/2021

Analysis completion date : 28/06/2021

Sampling Protocol : E/WP/77

Sample Qty: 1kg

Name of the Industrial Area: Nandur Kesaratagi Industrial Area, 2nd Phase, Gulbarga Taluk & District. (Ext -198.36 A).

Sample Particulars: One Soil Sample - Near Kusnoor village.

Sl. No.	Test	Result	Protocol
8	Colour	Reddish brown	Practical Manual for Hands on training GKV Bengaluru
9	Sulphur as S, mg/Kg	6.46	Practical Manual for Hands on training GKV Bengaluru
10	Nitrogen as N, %	0.007	Practical Manual for Hands on training GKV Bengaluru
11	Phosphorous as P, mg/Kg	7.52	Practical Manual for Hands on training GKV Bengaluru
12	Potassium as K, mg/Kg	199.49	Practical Manual for Hands on training GKV Bengaluru
13	Copper as Cu, mg/Kg	7.20	Practical Manual for Hands on training GKV Bengaluru
14	Chromium as Cr, mg/Kg	16.27	Practical Manual for Hands on training GKV Bengaluru
15	Zinc as Zn, mg/Kg	12.28	Practical Manual for Hands on training GKV Bengaluru
16	Lead as Pb, mg/Kg	16.75	Practical Manual for Hands on training GKV Bengaluru
17	Nickel as Ni, mg/Kg	0.29	Practical Manual for Hands on training GKV Bengaluru
18	Cadmium as Cd, mg/Kg	<0.1	Practical Manual for Hands on training GKV Bengaluru

-----END OF THE REPORT-----

Lakshmi Raj
29/6/21
Verified by

S. S. S. S. 29/06/21
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TEST REPORT



M/s. Karnataka Industrial Areas Development Board (KIADB).

No. 49, 4th & 5th Floor, East Wing, Khanija Bhavan,
Race Course Road, Bengaluru,
Karnataka 560 001.

Report No.	: RE/2021/00646
Report date	: 29/06/2021
Reference	: Test Request Form
Sample receipt date	: 24/06/2021
Job Order No	: RE/2021/00646
Date of Sampling	: 21/06/2021
Analysis start date	: 25/06/2021
Analysis completion date	: 28/06/2021
Sampling Protocol	: E/WP/77

Sample Qty: 1kg

Name of the Industrial Area: Nandur Kesaratagi Industrial Area, 2nd Phase, Gulbarga Taluk & District. (Ext -198.36 A).

Sample Particulars: One Soil Sample- Near Zapur village.

Sl. No.	Test	Result	Protocol
Description: Brown Colored Soil.			
1	pH (20% Suspension)	8.24	Practical Manual for Hands on training GKV Bengaluru
2	Conductivity, μ hos/cm	46.0	Practical Manual for Hands on training GKV Bengaluru
3	Chloride as Cl, mg/Kg	193.5	Practical Manual for Hands on training GKV Bengaluru
4	Moisture, %	3.4	Practical Manual for Hands on training GKV Bengaluru
5	Organic Matter, %	1.78	Practical Manual for Hands on training GKV Bengaluru
6	Calcium as Ca, mg/Kg	1579.3	Practical Manual for Hands on training GKV Bengaluru
7	Magnesium Mg, mg/Kg	500.4	Practical Manual for Hands on training GKV Bengaluru
<div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="text-align: center;"> Verified by </div> <div style="text-align: center;"> Authorized Signatory </div> </div>			
Page 1 of 2			

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TEST REPORT

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	Report date	: 29/06/2021
	Reference	: Test Request Form
	Sample receipt date	: 24/06/2021
	Job Order No	: RE/2021/00646
	Date of Sampling	: 21/06/2021
	Analysis start date	: 25/06/2021
	Analysis completion date	: 28/06/2021
Sample Qty: 1kg	Sampling Protocol	: E/WP/77
Name of the Industrial Area: Nandur Kesaratagi Industrial Area, 2nd Phase, Gulbarga Taluk & District. (Ext -198.36 A).		
Sample Particulars: One Soil Sample- Near Zapur village.		

Sl. No.	Test	Result	Protocol
8	Colour	Brown	Practical Manual for Hands on training GKVK Bengaluru
9	Sulphur as S, mg/Kg	16.12	Practical Manual for Hands on training GKVK Bengaluru
10	Nitrogen as N, %	0.009	Practical Manual for Hands on training GKVK Bengaluru
11	Phosphorous as P, mg/Kg	5.0	Practical Manual for Hands on training GKVK Bengaluru
12	Potassium as K, mg/Kg	43.9	Practical Manual for Hands on training GKVK Bengaluru
13	Copper as Cu, mg/Kg	4.7	Practical Manual for Hands on training GKVK Bengaluru
14	Chromium as Cr, mg/Kg	13.7	Practical Manual for Hands on training GKVK Bengaluru
15	Zinc as Zn, mg/Kg	14.5	Practical Manual for Hands on training GKVK Bengaluru
16	Lead as Pb, mg/Kg	13.1	Practical Manual for Hands on training GKVK Bengaluru
17	Nickel as Ni, mg/Kg	0.56	Practical Manual for Hands on training GKVK Bengaluru
18	Cadmium as Cd, mg/Kg	<0.1	Practical Manual for Hands on training GKVK Bengaluru

-----END OF THE REPORT-----

Lakshmi Pais
29/6/21
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TEST REPORT



M/s. Karnataka Industrial Areas Development Board (KIADB).

No. 49, 4th & 5th Floor, East Wing, Khanija Bhavan,
Race Course Road, Bengaluru,
Karnataka 560 001.

Report No.	: RE/2021/00647
Report date	: 29/06/2021
Reference	: Test Request Form
Sample receipt date	: 24/06/2021
Job Order No	: RE/2021/00647
Date of Sampling	: 21/06/2021
Analysis start date	: 25/06/2021
Analysis completion date	: 28/06/2021
Sampling Protocol	: E/WP/77

Sample Qty: 1kg

Name of the Industrial Area: Nandur Kesaratagi Industrial Area, 2nd Phase, Gulbarga Taluk & District. (Ext -198.36 A).

Sample Particulars: One Soil Sample- Near Hire Nandoor village.

Sl. No.	Test	Result	Protocol
Description: Reddish brown Colored Soil.			
1	pH (20% Suspension)	7.9	Practical Manual for Hands on training GKV Bengaluru
2	Conductivity, $\mu\text{mhos/cm}$	69.0	Practical Manual for Hands on training GKV Bengaluru
3	Chloride as Cl, mg/Kg	167.9	Practical Manual for Hands on training GKV Bengaluru
4	Moisture, %	3.9	Practical Manual for Hands on training GKV Bengaluru
5	Organic Matter, %	1.6	Practical Manual for Hands on training GKV Bengaluru
6	Calcium as Ca, mg/Kg	1081.3	Practical Manual for Hands on training GKV Bengaluru
7	Magnesium Mg, mg/Kg	934.8	Practical Manual for Hands on training GKV Bengaluru

Leekshu Pais
29/6/21
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S. D. 29/06/21
Authorized Signatory

TEST REPORT

M/s. Karnataka Industrial Areas Development Board (KIADB). No. 49, 4th & 5th Floor, East Wing, Khanija Bhavan, Race Course Road, Bengaluru, Karnataka 560 001.	Report No.	: RE/2021/00647
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	Reference	: Test Request Form
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	Job Order No	: RE/2021/00647
	Date of Sampling	: 21/06/2021
	Analysis start date	: 25/06/2021
	Analysis completion date	: 28/06/2021
Sample Qty: 1kg	Sampling Protocol	: E/WP/77
Name of the Industrial Area: Nandur Kesaratagi Industrial Area, 2nd Phase, Gulbarga Taluk & District. (Ext -198.36 A).		
Sample Particulars: One Soil Sample- Near Hire Nandoor village.		

Sl. No.	Test	Result	Protocol
8	Colour	Reddish brown	Practical Manual for Hands on training GKVK Bengaluru
9	Sulphur as S, mg/Kg	2.21	Practical Manual for Hands on training GKVK Bengaluru
10	Nitrogen as N, %	0.007	Practical Manual for Hands on training GKVK Bengaluru
11	Phosphorous as P, mg/Kg	5.95	Practical Manual for Hands on training GKVK Bengaluru
12	Potassium as K, mg/Kg	282.9	Practical Manual for Hands on training GKVK Bengaluru
13	Copper as Cu, mg/Kg	2.96	Practical Manual for Hands on training GKVK Bengaluru
14	Chromium as Cr, mg/Kg	7.60	Practical Manual for Hands on training GKVK Bengaluru
15	Zinc as Zn, mg/Kg	11.0	Practical Manual for Hands on training GKVK Bengaluru
16	Lead as Pb, mg/Kg	9.40	Practical Manual for Hands on training GKVK Bengaluru
17	Nickel as Ni, mg/Kg	0.73	Practical Manual for Hands on training GKVK Bengaluru
18	Cadmium as Cd, mg/Kg	<0.1	Practical Manual for Hands on training GKVK Bengaluru

-----END OF THE REPORT-----


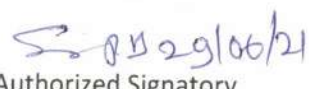
Lakshmi Pais
29/6/21
Verified by

S. S. S. S.
29/06/21
Authorized by

TEST REPORT



M/s. Karnataka Industrial Areas Development Board (KIADB). No. 49, 4th & 5th Floor, East Wing, Khanija Bhavan, Race Course Road, Bengaluru, Karnataka 560 001.	Report No.	: RE/2021/00648
	Report date	: 29/06/2021
	Reference	: Test Request Form
	Sample receipt date	: 24/06/2021
	Job Order No	: RE/2021/00648
	Date of Sampling	: 21/06/2021
	Analysis start date	: 25/06/2021
	Analysis completion date	: 28/06/2021
Sample Qty: 1kg	Sampling Protocol	: E/WP/77
Name of the Industrial Area: Nandur Kesaratagi Industrial Area, 2nd Phase, Gulbarga Taluk & District. (Ext -198.36 A).		
Sample Particulars: One Soil Sample- Near Martur village.		

Sl. No.	Test	Result	Protocol
Description: Brown Colored Soil.			
1	pH (20% Suspension)	8.2	Practical Manual for Hands on training GKVK Bengaluru
2	Conductivity, μ mhos/cm	72.0	Practical Manual for Hands on training GKVK Bengaluru
3	Chloride as Cl, mg/Kg	321.7	Practical Manual for Hands on training GKVK Bengaluru
4	Moisture, %	3.2	Practical Manual for Hands on training GKVK Bengaluru
5	Organic Matter, %	1.08	Practical Manual for Hands on training GKVK Bengaluru
6	Calcium as Ca, mg/Kg	1018.7	Practical Manual for Hands on training GKVK Bengaluru
7	Magnesium Mg, mg/Kg	829.2	Practical Manual for Hands on training GKVK Bengaluru
<div style="display: flex; justify-content: space-between; align-items: center;"> <div>  Verified by </div> <div>  Authorized Signatory </div> </div>			
Page 1 of 2			

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TEST REPORT

M/s. Karnataka Industrial Areas Development Board (KIADB).

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Karnataka 560 001.

Report No.	: RE/2021/00648
Report date	: 29/06/2021
Reference	: Test Request Form
Sample receipt date	: 24/06/2021
Job Order No	: RE/2021/00648
Date of Sampling	: 21/06/2021
Analysis start date	: 25/06/2021
Analysis completion date	: 28/06/2021
Sampling Protocol	: E/WP/77

Sample Qty: 1kg

Name of the Industrial Area: Nandur Kesaratagi Industrial Area, 2nd Phase, Gulbarga Taluk & District. (Ext -198.36 A).

Sample Particulars: One Soil Sample- Near Martur village.

Sl. No.	Test	Result	Protocol
8	Colour	Brown	Practical Manual for Hands on training GKV Bengaluru
9	Sulphur as S, mg/Kg	8.31	Practical Manual for Hands on training GKV Bengaluru
10	Nitrogen as N, %	0.008	Practical Manual for Hands on training GKV Bengaluru
11	Phosphorous as P, mg/Kg	4.57	Practical Manual for Hands on training GKV Bengaluru
12	Potassium as K, mg/Kg	176.4	Practical Manual for Hands on training GKV Bengaluru
13	Copper as Cu, mg/Kg	10.5	Practical Manual for Hands on training GKV Bengaluru
14	Chromium as Cr, mg/Kg	14.01	Practical Manual for Hands on training GKV Bengaluru
15	Zinc as Zn, mg/Kg	14.9	Practical Manual for Hands on training GKV Bengaluru
16	Lead as Pb, mg/Kg	13.2	Practical Manual for Hands on training GKV Bengaluru
17	Nickel as Ni, mg/Kg	0.37	Practical Manual for Hands on training GKV Bengaluru
18	Cadmium as Cd, mg/Kg	<0.1	Practical Manual for Hands on training GKV Bengaluru

-----END OF THE REPORT-----

Handwritten Signature
29/6/21
Verified by

Handwritten Signature
29/06/21
Authorized by

TEST REPORT



M/s. Karnataka Industrial Areas Development Board (KIADB).

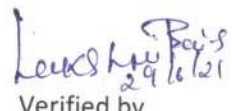
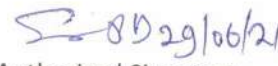
No. 49, 4th & 5th Floor, East Wing, Khanija Bhavan,
Race Course Road, Bengaluru,
Karnataka 560 001.

Report No.	: RE/2021/00649
Report date	: 29/06/2021
Reference	: Test Request Form
Sample receipt date	: 24/06/2021
Job Order No	: RE/2021/00649
Date of Sampling	: 21/06/2021
Analysis start date	: 25/06/2021
Analysis completion date	: 28/06/2021
Sampling Protocol	: E/WP/77

Sample Qty: 1kg

Name of the Industrial Area: Nandur Kesaratagi Industrial Area, 2nd Phase, Gulbarga Taluk & District. (Ext -198.36 A).

Sample Particulars: One Soil Sample- Near Sitnoor layout.

Sl. No.	Test	Result	Protocol
Description: Reddish brown Colored Soil.			
1	pH (20% Suspension)	7.95	Practical Manual for Hands on training GKV Bengaluru
2	Conductivity, $\mu\text{mhos/cm}$	61.0	Practical Manual for Hands on training GKV Bengaluru
3	Chloride as Cl, mg/Kg	264.7	Practical Manual for Hands on training GKV Bengaluru
4	Moisture, %	4.2	Practical Manual for Hands on training GKV Bengaluru
5	Organic Matter, %	1.73	Practical Manual for Hands on training GKV Bengaluru
6	Calcium as Ca, mg/Kg	1151.5	Practical Manual for Hands on training GKV Bengaluru
7	Magnesium Mg, mg/Kg	798.0	Practical Manual for Hands on training GKV Bengaluru
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;">  Verified by </div> <div style="text-align: center;">  Authorized Signatory </div> </div>			
Page 1 of 2			

Note: 1. The results listed refer only to the tested samples and applicable parameters. 2. Test certificate should not be reproduced except in full, without written approval of the laboratory. 3. The submitted samples are drawn by the laboratory unless otherwise specified. 4. Endorsement of product is neither inferred nor implied. 5. Samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified. 6. This report cannot be used as evidence in the court of law & should not be used in any advertising media without our permission in writing. 7. Total liability of our lab is limited to the invoice amount and any disputes arising out of this report are subject to Bangalore jurisdiction only. 8. Laboratory is not responsible for the authenticity of photocopied test reports.

TEST REPORT

M/s. Karnataka Industrial Areas Development Board (KIADB).

No. 49, 4th & 5th Floor, East Wing, Khanija Bhavan,
Race Course Road, Bengaluru,
Karnataka 560 001.

Report No.	: RE/2021/00649
Report date	: 29/06/2021
Reference	: Test Request Form
Sample receipt date	: 24/06/2021
Job Order No	: RE/2021/00649
Date of Sampling	: 21/06/2021
Analysis start date	: 25/06/2021
Analysis completion date	: 28/06/2021
Sampling Protocol	: E/WP/77

Sample Qty: 1kg

Name of the Industrial Area: Nandur Kesaratagi Industrial Area, 2nd Phase, Gulbarga Taluk & District. (Ext -198.36 A).

Sample Particulars: One Soil Sample - Near Sitnoor layout.

Sl. No.	Test	Result	Protocol
8	Colour	Reddish brown	Practical Manual for Hands on training GKV Bengaluru
9	Sulphur as S, mg/Kg	3.48	Practical Manual for Hands on training GKV Bengaluru
10	Nitrogen as N, %	0.01	Practical Manual for Hands on training GKV Bengaluru
11	Phosphorous as P, mg/Kg	5.50	Practical Manual for Hands on training GKV Bengaluru
12	Potassium as K, mg/Kg	176.4	Practical Manual for Hands on training GKV Bengaluru
13	Copper as Cu, mg/Kg	7.8	Practical Manual for Hands on training GKV Bengaluru
14	Chromium as Cr, mg/Kg	8.27	Practical Manual for Hands on training GKV Bengaluru
15	Zinc as Zn, mg/Kg	7.70	Practical Manual for Hands on training GKV Bengaluru
16	Lead as Pb, mg/Kg	12.5	Practical Manual for Hands on training GKV Bengaluru
17	Nickel as Ni, mg/Kg	0.90	Practical Manual for Hands on training GKV Bengaluru
18	Cadmium as Cd, mg/Kg	<0.1	Practical Manual for Hands on training GKV Bengaluru

-----END OF THE REPORT-----

Perkashu Bais
29/6/21
Verified by

S-8D 29/06/21
Authorized by

KARNATAKA STATE POLLUTION CONTROL BOARD



ಪ್ರಾದೇಶಿಕ ಕಲ್ಯಾಣ, ಕಲಬುರಗಿ
ಪ್ಲಾಟ್ ನಂ:12/2, ಸಿ.ನಂ:19/P
ಮನ್ಸಫರ್ ಲಾಯೌಟ್, ಎಂ.ಜಿ.ರಸ್ತೆ,
ಸಂತ್ರಸ್ವಾದಿ, ಕಲಬುರಗಿ - 585 101.

REGIONAL OFFICE, KALABURAGI
Plot No.12/2, Sy.No.19/P,
Mansafdar Layout, M.G.Road,
Santraswadi, Kalaburagi - 585 101.

Tel:- 08472-256246
08472-250720

E-Mail: gulbarga@kspcb.gov.in

No: KSPCB/RO(KLB)/KIADB/PH/2015-16/131

Date: 22/5/2015

To,
The Development Officer,
KIADB, Kapnoor Industrial Area,
Kalaburagi.

Sir,

Sub: - Proceedings of Public Hearing of "Nandur - Kesaratagi, IInd Phase,
Industrial Area" - reg.

<<<<>>>>

Adverting to the above subject, please find herewith enclosed, Proceedings of Environmental Public Hearing of Karnataka Industrial Areas Development Board (KIADB), 2nd Phase at Nandur Kesaratagi Village, Tq and District Kalaburagi held on 10/04/2015 for kind information.

Your's faithfully,


Environmental Officer,

Regional Office, Kalaburagi.



PROCEEDINGS OF THE ENVIRONMENTAL PUBLIC HEARING FOR DEVELOPMENT OF NANDUR KESARTAGI 2ND PHASE INDUSTRIAL AREA IN AN AREA OF 80.12 HECTARES (198.36 ACRES) AT NANDUR KESARTAGI VILLAGE , TALUK AND DISTRICT KALABURAGI

DATE: 10.04.2015

TIME: 11.00 AM

VENUE: Nandur Kesartagi 2nd Phase Industrial at Nandur Kesartagi Village , Taluk and District Kalaburagi

Karnataka Industrial Area development Board, Bangalore, has proposed for development of Nandur Kesartagi 2nd Phase Industrial at Nandur Kesartagi Village, Taluk and District Kalaburagi

Details of the Project Location:

Nandur Kesartagi 2nd Phase Industrial at Nandur Kesartagi Village , Taluk and District Kalaburagi

OFFICERS PRESENT:

The Public Hearing was conducted as per the EIA Notification of MoEF, Government of India, 14-09-2006 and subsequent amendment dated 01-12-2009.

Public Hearing Panel:

Public Hearing Panel		
1	Sri, Vipul Bansal, I.A.S. Deputy Commissioner, Kalaburagi District	Chairperson

OFFICERS OF KARNATAKA STATE POLLUTION CONTROL BOARD

1	Sri. Gopal Krishna Sanatangi,	Senior Environmental Officer, Zonal Office, KSPCB, Bellary.
2	Sri. Diwakar. D,	Environmental Officer, Regional Office, KSPCB, Kalaburagi.
3	Sri.Adamsab.M.Patel	Assistant Environmental Officer, Regional Office, KSPCB, Kalaburagi.

REPRESENTATIVE OF KARNATAKA INDUSTRIAL AREA DEVELOPMENT BOARD,
BANGALORE

1	Shri.R.B.Bandiwaddar	Development Officer
2	Shri K.S.Bidarkar	Deputy Development Officer
3	Shri Subash Lokanaik	Assistant Engineer

REPRESENTATIVE OF DISTRICT INDUSTRIES CENTRE, KALABURAGI

1	Sri.Doddabasavaraj	Joint Director
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As per the Notification issued by the Ministry of Environment and Forests, Government of India, on 14-09-2006, it is a prerequisite to get the Environmental Clearance from the Ministry of Environment and Forests and it is mandatory that Environmental Public Hearing at the Project Site is held under the chairmanship of an Officer not below the Rank of Additional Deputy Commissioner.

As per the STATE LEVEL EXPERT APPRAISAL COMMITTEE(SEAC), KARNATAKA (Constituted by MOEF, Govt. of India), Terms of Reference letter dated 28-09-2013, and the request of project proponent for conducting Environmental Public Hearing vide letter 11-08-2014 and 19-11-2014, the Public Hearing was organized by the Karnataka State Pollution Control Board on 10-04-2015 at the Project Site.

As per the EIA Notification, the Karnataka State Pollution Control Board gave the Notification regarding public hearing, 30 days in advance. The advertisement to this effect was published in the Kannada daily news paper "Samyukta Karnataka" and English daily news paper "Times of India" on 10th March, 2015 and local daily "Praja Vani" on 11th March, 2015. The Suggestions/views/comments and objections of the interested bonafide residents, Environmental Groups and others located at the Project site likely to be affected by the proposed project were invited. Affected people could send their suggestions, objections, grievances, etc., either orally or written or through e-mail to the Karnataka State Pollution Control Board / Chairman, Environment Public Hearing Committee, within 30 days from the date of publication of the Notification.

The copy of the EIA draft report and executive summary of the EIA report both in Kannada and English have been placed at the following places for the references to the General Public.

1. Office of the Deputy Commissioner, Kalaburagi.
2. Office of the Chief Executive officer, Zilla Panchayath, Kalaburagi.
3. District Industries Centre, Kalaburagi.
4. City Corporation, Kalaburagi.
5. Grampanchayat Office, Nandur (K).
6. Karnataka Industrial Area Development Board, Kalaburagi.
7. Regional Office, Karnataka State Pollution Control Board, Kalaburagi.
8. South Zone Office, Ministry of Environment and Forests, Government of India, Bangalore.
9. Help Desk, KSPCB, Parisar Bhavan, Church street, Bangalore.

The Deputy Commissioner and Chairman of the Public Hearing panel, Kalaburagi verified the Notifications issued in the newspapers and ascertained whether the sufficient publicity had been made as required under the statute.

On 10th April, 2015, Shri. Diwakar. D, Environmental Officer, Karnataka State Pollution Control Board, Kalaburagi extended a warm welcome to the Deputy Commissioner, Kalaburagi, all the publics, the officials of different departments, members and the staff of the Company and media who were present on the occasion. He briefly explained the need for Environmental Clearance from the Ministry of Environment and Forest, Government of India and the Environmental Public Hearing as per the EIA Notification. He informed that accordingly publicity was given in the newspapers 30 days in advance and explained the procedure of the Public Hearing and the documents kept for the Public Hearing. He requested the Deputy Commissioner, Chairman of the Environmental Public Hearing to preside over the Public Hearing, and requested the public to interact and to discuss about the project and to present all their submissions either written or orally, which would be a part of both written record and entire proceedings is Videographed.

He requested Sri.Vipul Bansal, Deputy Commissioner, Kalaburagi District to start the proceedings.

Sri.Vipul Bansal, Deputy Commissioner, briefed the audience about the Public Hearing and explained the procedure of conducting the Public Hearing. He also informed the gathering to express their views/comments/objections pertaining to the environmental aspect on the proposed "DEVELOPMENT of NANDUR KESARTAGI 2ND PHASE INDUSTRIAL AREA IN AN AREA OF 80.12 HECTARES (198.36 ACRES) AT NANDUR KESARTAGI VILLAGE , TALUK AND DISTRICT KALABURAGI"

If there is any Environmental impact, those affected should express their objection/suggestions either verbally or by representation in writing without any hesitation.

The Deputy Commissioner Kalaburagi, explained about the development of KIADB, Nandur, Kesratgi II phase, Kalaburagi and for development of the project environmental clearance is required from State Level Environmental Impact Assessment Agency.

The Chair person of the Environmental Public Hearing Committee requested the assembled public, farmers, land losers to express their views, suggestions , grievances and also complaints about environmental pollution which is all being videographed. The views and expressions aired during the meeting which is videographed will be examined by the SEIAA before issue of Environmental Clearance and requested the assembled public to individually express their opinions.

1. Sri Veeranna Gowda Patil- Nandur K Village

He expressed that he is a farmer and also given land to KIADB. In this regard he went on to express that the farmers received a notice on 20-10-2010 and was informed and that good price will be given to land loser. In this regard the land losers had requested the Deputy Commissioner that they would not be willing to part land for amount below Rs.25 Lakhs.

However the Deputy Commissioner had explained to the farmers that the land price as per the statutory requirement will be recommended to the government and also if the farmers still not satisfied with recommendation they can approach the court.

However some affected people have already obtained amount of Rs.18 Lakhs as compensation by KIADB. It was also informed that land facing road side, irrigated land would be paid extra rates but even after valuation no payment has been made by KIADB. The forest office, horticulture office have already visited and estimates sent to KIADB and requested the Deputy commissioner to make the pending payment as early as possible and also to allot plot 100 feet by 100 feet at subsidized rate or to provide employment to each land losers.

The Deputy Commissioner informed the public that the issue has been discussed with KIADB and pending payments to the land losers will be made by the KIADB within 30th April 2015 and also requested that this meeting is with respect to environmental aspect for the proposed development of the project and to give views suggestions accordingly.

2. Veeranna Gowda-Nandur K Village

He expressed that KIADB has developed land 600 Acres and industries such as Dal Mill, Plastic industry have established in which there is no employment to the Locals. It is better to encourage industries such as IT and BT parks which will create employment protection and also aid the land losers family members to get employment locally and also prevent migration of the locals to other areas. However some industries have established, promised employment to the locals but they have not commissioned and taken subsidy from government and not functioning and these type of activity should stopped by the government. He also expressed that KIADB should develop employment resources by developing industries which will create good economy and employment. He also expressed that maintaining good environment is necessary in the industrial area and no industry has developed greenery for which concerned authorities should develop good environment in and around industry.

The Environmental Officer informed that in the proposed development of project Orange and Green category industry including IT/BT will come up as informed by KIADB authorities.

3. Sharnappa S/o Devendrappa-Nandur(K) Village

He expressed that land of extent 8 Acres 10 Guntas has been given to KIADB out of which payment has not been made for 2 Acres 6 Guntas and requested to give suitable directions to concerned authority for making balance payment.

4. Shivsharnappa Madugunki-Industrialist Nandur(K)

He expressed that he already has industry in industrial area and have some grievances regarding no proper approach road to KIADB.

The Deputy Commissioner intervened and requested to give views on the environmental aspects of the proposed project.

The Deputy Commissioner requested project proponent to give technical presentation on the proposed project.

M/s. Ramky Enviro Engineers Ltd, Consultant to the KIADB explained briefly about the proposed project which comes under the 7 (c) , Category B of EIA notification and proposed estimate for the project is Rs. 144.52 Crores. He also explained about the water requirement for the industrial development for which it is proposed to set up Common Sewage Treatment plant, Common Effluent Treatment plant and also ear marked area of 2.75 Acres for solid waste management and green belt of extent 28.82 Acres along the boundary of the industrial area will be developed.

The Environmental Officer informed public that only one written memorandum has been received in the Regional Office, KSPCB, Kalaburagi which has already been aired by Sri. Veeranna Gowda Patil and no other written memorandum has not been received during the course of public hearing.

The function of Public Hearing was completed with vote of thanks by Sri. Diwakar D, Environmental Officer, KSPCB and also has brought to the notice of the public that, the proceedings will be submitted to the Government.

The whole proceedings of 10-04-2015 have been videographed in accordance with EIA Notification dtd.14-9-2006.

The particulars contained in the annexure to the proceedings public hearing held on 10-04-2015 pertaining to "DEVELOPMENT of NANDUR KESARTAGI 2ND PHASE INDUSTRIAL AREA IN AN AREA OF 80.12 HECTARES (198.36 ACRES) AT NANDUR KESARTAGI VILLAGE, TALUK AND DISTRICT KALABURAGI"

1. The hard copy of the presentation is enclosed as Annexure-1.
2. The list of participants who attended the public hearing is enclosed as Annexure-2
3. Memorandum received from Nandur Kesartagi Villagers enclosed as Annexure-3

(Sri,Vipul Bansal, I.A.S)
Deputy Commissioner
And Chairperson of the Environmental Public Hearing Committee,
Kalaburagi, Karnataka