

KARNATAKA INDUSTRIAL AREAS DEVELOPMENT BOARD

(A Government of Karnataka Undertaking)

49, 4th & 5th Floors, 'East Wing', Khanija Bhavan, Race Course Road, Bengaluru - 560 001

Phone : 080-22265383 Fax : 080-22267901

Website : www.kiadb.in email: ceoemkiadb@gmail.com

No. KIADB/JDTP/FCN:20456/5693/2021-22

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.

Respected Sir/ Madam,

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 Kittur Industrial Area, KIADB, Bailahongal Taluk, Belgaum District, Karnataka to an extent of 433.33 Acres.

- Ref.:**
1. ToR issued by SEIAA on 06th April 2013.
 2. Environmental Public Hearing held on 12th May 2015.
 3. Environmental Clearance reference no.: No. SEIAA 7 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 Kittur Industrial Area, KIADB at Bailahongal Taluk, Belgaum District, Karnataka to an extent of 433.33 Acres, after finalizing the ToR issued by SEIAA on 06th April 2013 and after conducting the public hearing on 12th May 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 Kittur Industrial Area 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-1

KIADB, Bengaluru

Half Yearly Environmental Compliance Report for all the Conditions Stipulated in the Environmental Clearance issued with respect to Establishment of Kittur Industrial Area, Bailahongal Taluk, Belgaum 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.)

Plot No.94, Thirumala Complex, 2nd Floor, NGEF Layout, Nagarabhavi Main Road,
Bengaluru - 560 072.

TABLE OF CONTENTS:

Sl.No.	List of Contents	Page No.
1.0	Project Details.	1
2.0	Location Map.	2
3.0	Half yearly Compliance reports with stipulated EC Conditions.	3-18
4.0	Environmental Monitoring Details:	19-22
4.1	Ambient Air Monitoring reports.	19
4.2	Ambient Noise Monitoring reports.	20
4.3	Surface/ Ground Water Analysis reports.	21
4.4	Soil Analysis reports.	22

LIST OF ANNEXURES:

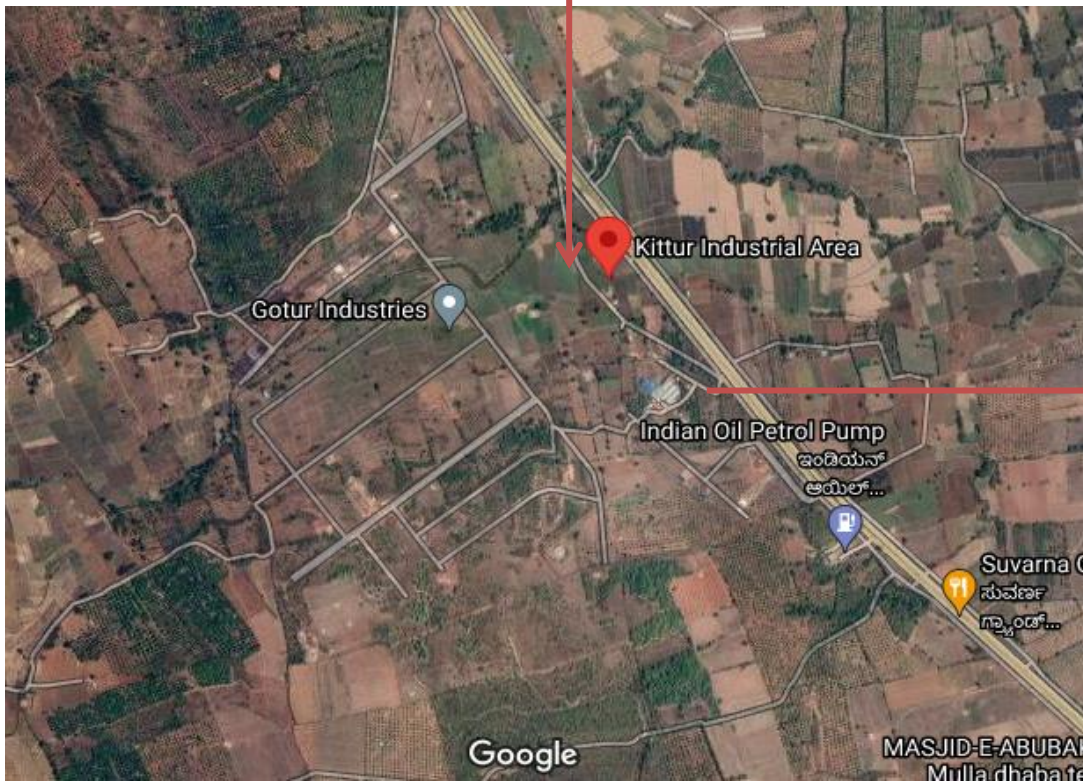
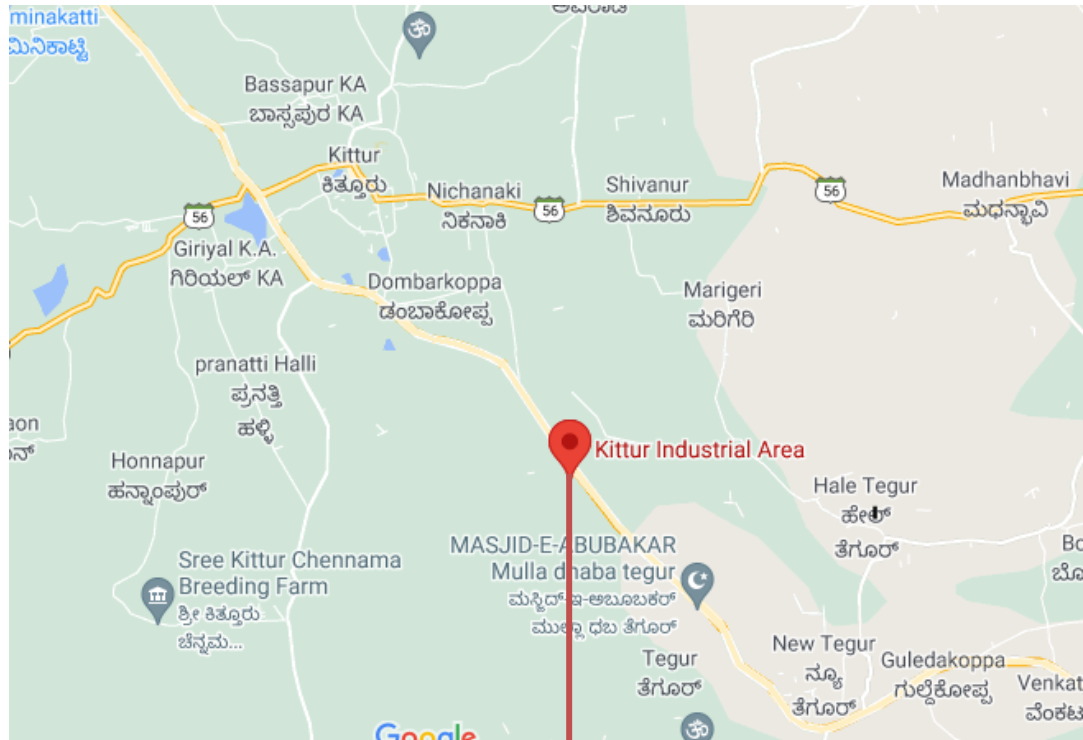
Annexure	List of Contents
Annexure-1	Copy of Environmental Clearance.
Annexure-2	“Consent for Establishment” obtained from KSPCB.
Annexure-3	Copy of Newspaper Advertisement.
Annexure-4	Ambient Air Quality Monitoring reports.
Annexure-5	Ambient Noise Quality Monitoring reports.
Annexure-6	Water Quality Monitoring reports.
Annexure-7	Soil Quality Monitoring reports.
Annexure-8	Copy of Public Hearing.

1.0. PROJECT DETAILS:

- 1) Name of the Project:** Establishment of Kittur Industrial Area at Kittur Village, Bailhongal Taluk, Belagavi District, Karnataka.
- 2) Environmental Clearance reference no.:** No. SEIAA 7 IND 2013 dated 26-07-2016.
- 3) Total Plot Area:** 433.33 Acres (175.31 Ha).
- 4) ToR issued:** Issued by SEIAA on 06th April 2013.
- 5) Public Hearing:** Public Hearing was conducted on 12th May 2015.
- 6) Category of Industries:** Orange and Green category.
- 7) Total Water requirement for the Industrial area:** 2808 KLD (Domestic: 270 KLD + Industrial: 1,361 KLD + Green Belt: 1,177 KLD) will be met from Malaprabha River and Borewell.
- 8) Total Wastewater generation:** 1,196 KLD (Domestic effluent: 243 KLD + Industrial effluent: 953 KLD).
- 9) Total Power Requirement:** 3MW will be sourced from KPTCL.
- 10) Project Cost:** Rs. 250 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:



Kittur Industrial Area, Belagavi.

Fig.1: Map showing Kittur Industrial Area, Belagavi.

3.0. Half Yearly Environmental Compliance Report for all the Conditions Stipulated in the Environmental Clearance issued with respect to Establishment of Kittur Industrial Area, Bailahongal Taluk, Belgaum District, Karnataka. (Ext-433.33 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 work 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 02 nd February 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 were 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.

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 adopt 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 and complied. 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.

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 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 treating 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.
25	The provision of Energy Conservation Building code 2006 shall be fully complied with.	Noted and will be adapted wherever possible. During the operation phase, individual industries will be provided directions 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 adapt 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 adapt 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 competent authorities for structural safety of the building due to earthquake, adequacy of fire fighting equipment's etc. as per the National Building Code (NBC) including protection measures for 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 eth 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 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 project proposed 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 will be informed about the conditions 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 Authorities will undertake all relevant measures, as indicated during the public hearing for improvising 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 in the EC for the industrial area will only be done after obtaining necessary approvals from the Competent Authority.
II Operation Phase		
1	The Company 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	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.	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.

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.	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.
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 adopt 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 month's 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. 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 the 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/ 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 shall be 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. During the operation phase, individual industries will be informed that the emissions should be kept within the limits by installing necessary pollution control systems wherever applicable.. If there are any failures in the operational efficiency of the pollution control system. Industries will be advised to take necessary steps immediately 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 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.	Noted. Necessary approvals from the competent authority will be obtained for the safe disposal of hazardous waste as per the applicable rules and regulations.

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 Trans boundary Movement) Rules, 2016. Authorization from the KSPCB must be obtained for collection/ treatment/ storage/ 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.
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.	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.
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).	Noted. Each industry will be informed to maintain the noise levels as per the CPCB /KSPCB norms. It will be advised to provide necessary Noise control measures wherever applicable.
9	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.
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.	Noted and will be complied.

11	<p>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 State Ecology and Environmental Department at http://seiaa.kar.nic.in or http://seiaa.karnataka.gov.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 same shall be forwarded to the MoEF Regional office at Bangalore/ KSPCB/ CPCB and the Department of Environment & Ecology, Government of Karnataka, Bangalore and Regional Director (Environment), Department of Ecology & Environment, Government of Karnataka, Belagavi.</p>	Noted.
12	<p>The Project authorities shall inform the MoEF, Regional Office, Bangalore/ KSPCB/ CPCB and the department of Ecology and Environment, Bangalore, and Regional Director (Environment), Department of Ecology & Environment, Government of Karnataka, Belagavi, the date of financial closure and final approval from the competent authorities and the date of start of the project.</p>	Noted and informed as suggested.
13	<p>The SEIAA, Karnataka may revoke or suspend the clearance if implementation of any of the above conditions is not satisfactory.</p>	Noted.
14	<p>The SEIAA, Karnataka reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner will implement these conditions.</p>	Noted.
15	<p>The above conditions will be enforced, inter-alia under the provisions of the water (Prevention & Control of pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous wastes (Management and Handling) Rules, 2003 and the Public Liability Insurance act, 1991 along with their amendments and rules.</p>	Noted.

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.	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.
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.	Noted.
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.	Noted.
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 at the documents submitted to MoEF / SEIAA should be forwarded to the CCF, Regional office of MoEF, Bangalore / Department of Ecology and Environment, Bangalore and Regional Director (Environment) Department of Ecology & Environment, Government of Karnataka, Belagavi.	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.
20	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.
21	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.

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 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.
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.	Noted.
24	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 Particular 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	53.8	60.3	56.6
2	Particulate Matter PM _{2.5} , µg/m ³	60	19.4	23.8	21.3
3	Nitrogen Dioxide NO ₂ , µg/m ³	80	15.7	20.1	18.0
4	Sulphur dioxide as SO ₂ , µg/m ³	80	9.8	14.8	11.6

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	Kittur Industrial Area- Project Site	60.0	51.8	55	45
2	Near Tegur Village	53.2	41.8	55	45
3	Near Marigeri Village	54.6	43.3	55	45
4	Near Kittur Village	53.9	44.1	75	70
5	Near Madhanbhavi Village	52.8	42.9	75	70
6	Near Pranatti Halli	53.1	43.6	55	45
7	Near Honnapur Village	52.9	43.6	55	45
8	Near Timmapur Village	52.9	42.4	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	7.39	7.2
4	Turbidity, NTU	0.1	1.2	0.6
5	Chloride as Cl, mg/L	161.43	200.6	182.2
6	Total hardness as CaCO ₃ , mg/L	208.26	289.9	254.7
7	Calcium as Ca, mg/L	57.22	73.6	65.2
8	Magnesium as Mg, mg/L	12.88	28.75	22.3
9	Total dissolved Solids, mg/L	420	598	499.6
10	Sulphate as SO ₄ , mg/L	10.82	53.21	25.6
11	Nitrate as NO ₃ , mg/L	6.51	26.81	16.8
12	Fluoride as F, mg/L	0.15	0.61	0.4
13	Iron as Fe, mg/L	0.11	0.24	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	0.15	0.42	0.30
17	Chromium as Cr, mg/L	BDL	BDL	BDL
18	Dissolved oxygen, mg/L	2.43	4.24	3.16

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)	7.52	8.01	7.8
2	Conductivity, $\mu\text{mhos/cm}$	98	204	137.1
3	Chloride as Cl, mg/Kg	362.2	578.8	471.1
4	Moisture, %	3.5	24.31	10.0
5	Organic Matter, %	0.1	0.36	0.2
6	Calcium as Ca, mg/Kg	575.39	1363.97	926.2
7	Magnesium Mg, mg/Kg	357.6	530.4	483.6
8	Colour	Brown	Brown	Brown
9	Sulphur as S, mg/Kg	1.44	9.05	5.1
10	Nitrogen as N, %	0.005	0.011	0.009
11	Phosphorous as P, mg/Kg	4.68	6.77	5.7
12	Potassium as K, mg/Kg	458.42	648	576.0
13	Copper as Cu, mg/Kg	4.4	19.9	9.9
14	Chromium as Cr, mg/Kg	4.78	10.21	6.9
15	Zinc as Zn, mg/Kg	13.33	40.28	30.2
16	Lead as Pb, mg/Kg	7.56	14.92	12.0
17	Nickel as Ni, mg/Kg	1.11	2.38	1.8
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 7 IND 2013

Date: 26-07-2016

To,

CEO & Executive Member
Karnataka Industrial Area Development Board (KIADB)
Office of the development officer, KIADB Zonal office,
Plot No.7/B, B.K Kangrali Industrial Area,
Belagavi-560 010

Sir,

Sub: Establishment of Kittur Industrial Area at Kittur Village,
Bailhongal Taluk, Belagavi District by Karnataka
Industrial Area Development Board (KIADB) - Issue of
Environmental Clearance- reg.

This has reference to your applications dated 16th January 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 Kittur Industrial Area for establishment of Orange and Green category industries on a Total plot area of 433.33 Acres (175.31 Ha) [Details of the land is enclosed as Annexure-I]. Out of 433.33 Acres, 257.63 Acres area is for Industrial area, 20 Acres area is for KSSIDC area, 25.65 Acres area is for Parks, 33.98 Acres area is for Buffer, 10.24 Acres area is for Amenities, 5.55 Acres area is for commercial, 10.55 Acres area is for Public utility, 21.64 Acres area is for Parking and 47.95 Acre area is earmarked for Roads [Lay out plan is enclosed as Annexure-II]. Total water requirement for the industrial area is 2808 KLD (Domestic: 270 KLD + Industrial: 1361 KLD + Green belt: 1177 KLD) will be met from Malaprabha River and Bore well. Total

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

SEIAA 7 IND 2013

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

waste water generated is 1196 KLD (Domestic effluent: 243 KLD + Industrial effluent: 953 KLD). Domestic waste water will be treated in Common Sewage Treatment Plant of 1 No X 500 KLD and industrial effluent will be treated in Common Effluent Treatment Plant of 2 No's X 700 KLD capacity. Total power requirement is 3MW will be sourced from KPTCL. The project cost is Rs.250 Crores.

3. The project proposal has been considered by SEAC on 15th & 16th March 2013 and ToRs were issued vide letter dated 6th April 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 12th May 2015. The final EIA report was submitted on 28th September 2015.

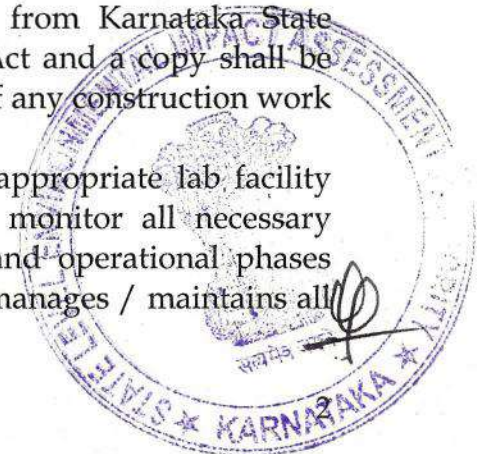
4. Based on the information submitted by you and presentation made by Environmental consultant, M/s. Ramky Enviro Engineers Limited, "Ramky House", 6-3-1089/G/16, Gulmohar Avenue, 1st Floor, Rajbhavan Road, Somajiguda, Hyderabad-500 082. The State Level Expert Appraisal Committee (SEAC) examined the proposal in the meeting held on 2nd & 3rd November 2015, 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:-

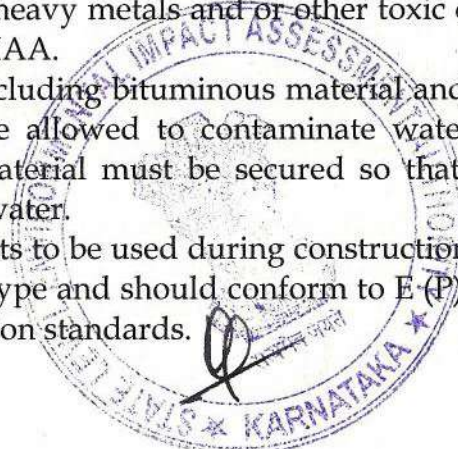
A- SPECIFIC CONDITIONS

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.

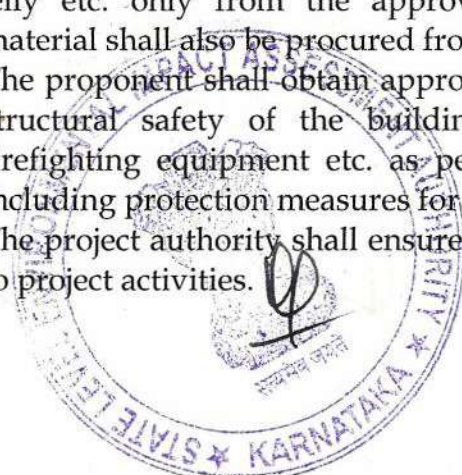


State Level Environment Impact Assessment Authority-Karnataka
(Constituted by MoEF, Government of India under section 3(3) of E(P) Act, 1986)

SEIAA 7 IND 2013

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

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 fulfill 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.



State Level Environment Impact Assessment Authority-Karnataka

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

SEIAA 7 IND 2013

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

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.

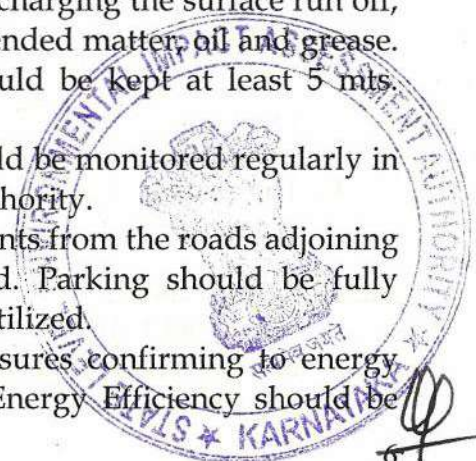


State Level Environment Impact Assessment Authority-Karnataka
(Constituted by MoEF, Government of India under section 3(3) of E(P) Act, 1986)

SEIAA 7 IND 2013

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

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



State Level Environment Impact Assessment Authority-Karnataka

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

SEIAA 7 IND 2013

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

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).

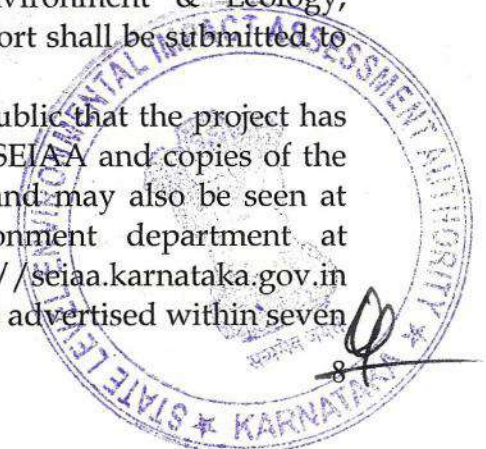


State Level Environment Impact Assessment Authority-Karnataka
(Constituted by MoEF, Government of India under section 3(3) of E(P) Act, 1986)

SEIAA 7 IND 2013

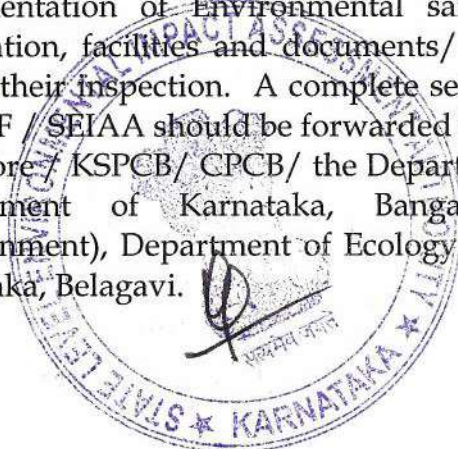
Establishment of Kittur Industrial Area
by Karnataka Industrial Areas Development Board (KIADB)

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



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, Belagavi.

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, Belagavi, 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 form 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, Belagavi.



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


SEIAA 7 IND 2013

Establishment of Kittur 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. The Regional Director (Environment), Department of Environment and Ecology, Government of Karnataka, No.1, Charanti Math Building, Shivalaya Road, Sadashiva Nagar, Belagavi.
5. Guard File.

ಫ್ಯಾಕ್ಸ್ / Fax : 080-25586321

ಈಮೇಲ್ / E-mail : ho@kspcb.gov.in

ವೆಬ್‌ಸೈಟ್ / Website : http://kspcb.gov.in



25581383, 25589112

25588151, 25588270

25588142, 25586520

ಕರ್ನಾಟಕ ರಾಜ್ಯ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿ Karnataka State Pollution Control Board

“ಪರಿಸರ ಭವನ”, 1 ರಿಂದ 5ನೇ ಮಹಡಿಗಳು, ನಂ. 49, ಚರ್ಚ್ ಸ್ಟ್ರೀಟ್, ಬೆಂಗಳೂರು - 560 001, ಕರ್ನಾಟಕ, ಭಾರತ
“Parisara Bhavana”, 1st to 5th Floor, # 49, Church Street, Bengaluru - 560 001, Karnataka, INDIA
HD Reg No. 134915 Dated: 04.09.2017.

KIADB - Kittur Village

NO. PCB/525/CNP/17/

10B-1425
/ BY REGD. POST WITH ACK. DUE /

DATE: -2 FEB 2018

(THIS ORDER CONTAINS 07 PAGES INCLUDING 14 PAGES OF ANNEXURE-I)

To

The Development Officer &
Executive Engineer,
Karnataka Industrial Area Development Board (KIADB),
KIADB Zonal Office, Plot No. 7/B,
B. K. Kangrali Industrial Area,
Belgaum.

Sir,

Sub: Consent for establishment to development of Industrial Theme Park in an area is about 175 Ha. (433.33 Acres) of land in the name of “Kittur Industrial Area” located at various survey numbers (Enclosed as Annexure - II) Kittur Village, Bailhongal Taluk, Belgaum District by M/s. Karnataka Industrial Area Development Board.

- Ref:
1. Application for consent for establishment received at Regional Office, KSPCB, Belgaum -1 on 04.09.2017.
 2. Inspection of the proposed project site by Officer of the Regional Office, KSPCB, Belgaum - 1 on 08.09.2017.
 3. E.C. issued vide No. SEIAA 7 IND 2013 dated 26.07.2016.
 4. Proceedings of the consent committee meeting held on 30.11.2017.



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 development of Industrial Theme Park in an area is about 175 Ha. (433.33 Acres) of land in the name of “Kittur Industrial Area” located at various survey numbers (Enclosed as Annexure - II) Kittur Village, Bailhongal Taluk, Belgaum District, subject to the following conditions.

- I. Environmental Aspects and Management during the course of construction:
 - a) The applicant should cover the project site from all sides by raising sufficiently tall barricades with sheets to ensure that pollutants should not spill to the surroundings.

(Sadig Ahmed)

SENIOR ENVIRONMENTAL OFFICER

- b) 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.
- c) The applicant shall control the movement of vehicles carrying construction materials in order to avoid noise pollution in the surrounding.
- d) **The project proponent shall strictly adhere to the conditions stipulated in the Environmental clearance issued from the MoEF & CC, Government of India, vide No. F.No. 21-67/2012-IA.III dated 21.07.2015.**
- e) **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 or as per any plan sanctioning authority.**
- f) **The applicant shall submit final approved plan from competent authority to the Board before taking up any construction activities.**
- g) **The applicant shall seek extension through a letter 45 days in advance of the expiry of validity period of CFE/CFExpn order with proper reasons for seeking such extension if required.**
- h) **The applicant to maintain 5 rows of plantation along the boundaries of the industrial area and to see that only green category industries are allotted towards the adjoining village limits.**
- i) **The applicant shall not discharge any kind of effluent into the tanks or to any water bodies.**
1. This consent for establishment shall be valid for a period of Five years from the date of issue of this Order.
 2. **The applicant shall maintain natural nallah and other such feature as in the Revenue Survey map.**
 3. The applicant shall not take expansion/diversification without the prior consent of the Board.
 4. The applicant shall obtain necessary licence/clearance from their relevant agencies before taking up construction.
 5. KIADB authorities shall earmark a dedicated area for common facilities like CETP and CSTP, common solid waste treatment and Hazardous waste management.
 6. The applicant shall maintain utilities including STP for a minimum period of five years.
 7. The applicant shall use treated sewage for secondary purposes including construction.
 8. This CFE is issued only from the point of water pollution control only and does not have any relevance over land dispute, any pending cases with any Departments/Hon'ble Courts.

(Sadiq Ahmed)
 SENIOR ENVIRONMENTAL OFFICER

9. Common Sewage Treatment Plant (CSTP) 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.

II. WATER CONSUMPTION:

1. The water consumption shall not exceed **2808 KLD (Mallaprabha River & Bore well)**.
2. No ground water is to be drawn without permission from the Central/State Ground Water Authority.

III. WATER POLLUTION CONTROL:

1. The quantity of waste water generation shall not exceed **1196 KLD**.
2. The applicant shall install common sewage treatment (CSTP) of capacity **2 x 500 KLD** and Common Effluent treatment plant (CETP) of capacity **2 x 700 KLD** for treatment of waste water generation from the proposed industrial layout.
3. The applicant shall submit the complete design details of the CETP along with treatment schemes and obtain prior approval from the Board before installation of the same to meet the standards stipulated by the Board regarding process effluents before utilizing for urban reuse viz. landscape irrigation, vehicle washing, toilet flushing, use in fire protection and commercial air conditioners.
4. The applicant shall treat the sewage to meet the following standards stipulated below before utilization for secondary purposes.

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

5. Applicant shall add appropriate disinfectant to the treated sewage to ensure some residual chlorine preferably in the range of 1 mg/l. to 3 mg/l.
6. The applicant shall treat pretreated waste water from individual units in their 2.0 MLD CETP.
7. The secondary and tertiary treated waste water will be supplied to industries for cooling, flushing & gardening.
8. If the treatment plant do not achieve the effluent standards stipulated 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.

(Sadiq Ahmed)
 SENIOR ENVIRONMENTAL OFFICER

9. All the treatment units shall be made impervious and there shall not be any discharge of sewage outside the premises.
10. The applicant shall provide separate energy meter to liquid waste treatment plant and STP and also shall provide flow meters. A log book of readings shall be maintained.
11. The applicant should make provisions for dual piping system to use the treated sewage water for toilet flushing, gardening and other purposes.
12. The applicant shall dispose excess treated sewage i.e. left after using for secondary purposes. The applicant shall maintain log book and vehicle details in this regard.

IV. AIR POLLUTION CONTROL:

1. The applicant during construction shall ensure that the Ambient Air Quality in its premises shall conform to the National Ambient Air Quality Standards specified in Environment (Protection) Rules.
2. The applicant shall provide acoustic measures to the DG Sets as per Sl. No. 94 in Schedule-I of Environment (Protection) Rules.
3. The applicant shall provide dust suppression systems with water sprinkling system during construction period.

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. 75 dB(A) Leq during day time and 70 dB(A) Leq during night time during and after construction.

VI. SOLID WASTE & 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.
5. (a) The applicant shall strictly follow Construction & Demolition Waste Management Rules, 2016.
(b) The applicant shall display the C& D waste Management Rules in site and ensure the compliances.

(Sadiq Ahmed)
SENIOR ENVIRONMENTAL OFFICER

6. The applicant shall earmark minimum of 5 acres and maximum of 25 acres of land for the purpose of establishing CETP, Hazardous Waste and Municipal Solid waste collection centers in the industrial area.

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 adhere to the Zonal Regulations norms of competent authority.
2. **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 Board.**
3. The existing water body, canals and rajakaluve and other drainage and water bound structures if any shall be retained unaltered with due buffer zone as applicable and maintained under tree cover.
4. 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.
5. Lakes and other water bodies within and/or at the vicinity of the project area shall be protected and conserved.
6. The project Authority shall allow only the Orange and Green category industries and strictly as proposed in the layout plan.
7. 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.
8. 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 adjoin roads and in the civic amenity area if there is any shortfall within the project site in the unavoidable circumstances.
9. The provision of Energy Conservation Building code, 2006 shall be fully complied with.
10. The project authority shall ensure that no water bodies are polluted due to project activities and the nala/water bodies if any within the project areas are well protected with sufficient buffer.

(Sadiq Ahmed)

SENIOR ENVIRONMENTAL OFFICER

11. 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.
12. The authorities should include the condition while issuing plots to the prospective individual industries that they should develop greenbelt of 33% of the plot area allotted for them.
13. The project proponent shall ensure that the greenery of the area is maintained. Further 33% of the project area shall be dedicated for green belt development. The local Forest Department shall be associated for this purpose and requisite budget earmarked.
14. Adequate measures should be taken to prevent odour problem from solid waste processing plant and STP.
15. The project authorities shall bifurcate the industrial plots and residential plots with a thick and tall vegetative barrier green belt.
16. 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.
17. The applicant must create structure/storage facility for rain water harvesting and ground water recharge.
18. The applicant should make provisions for dual piping system to use the treated sewage water for toilet flushing, gardening and other purposes.
19. 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.
20. The applicant shall implement the Environmental Management Plan during construction and after construction as given under EMP report.
21. The applicant shall not change or alter (a) building plan (b) the quality, quantity or rate of discharge/ emissions and (c) install/replace/alter the water or air pollution control measures without the prior approval of the Board.
22. 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.
23. 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.

(Sadiq Ahmed)

SENIOR ENVIRONMENTAL OFFICER

24. 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.
25. The Board reserves the right to review, impose additional condition or conditions, revoke, change or alter the terms and conditions.
26. 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.
27. The application shall adopt Eco-sanitation system in the project.
28. 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.
29. 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.
30. The project authorities shall adopt green building concept.
31. The project authorities shall establish Environmental Cell during operation phase to comprehensively manage environment related issues.
32. Suitable local tree species shall be selected for greenery and minimum three rows of plant saplings shall be planted all-along the periphery of the site.
33. The CFE is issued without prejudice to the Court case pending in any Hon'ble Court.

Please note that separate consents of the Board for discharge of liquid effluent and the emissions to the air shall have to be obtained by remitting prescribed consent fee. The application for consent has to be made 45 days in advance to the completion of construction work of project. Issue of consent will be considered only after completion of Water pollution control measures, solid waste management facilities and installing air pollution control measures.

The receipt of this letter may please be acknowledged.

For and on behalf of
Karnataka State Pollution Control Board


SENIOR ENVIRONMENTAL OFFICER



Annexure I

Survey No's of proposed development of Kittur Industrial Area, Kittur Village,
Bailhongal Taluk, Belgaum District, Karnataka.

Survey No	Land Extent		Kharab Land		Total Land	
	Acres	Guntas	Acres	Guntas	Acres	Guntas
397/1	3	27	0	4	3	23
397/2	3	27	0	4	3	23
398/1+2	8	16	0	2	8	14
399	5	25	0	0	5	25
400/1	1	24	0	0	1	24
400/2	1	24	0	0	1	24
401/1+2	2	31.8	0	20	2	11.8
402	2	4	0	0	2	4
403	9	18	0	0	9	18
404	4	0	0	3	3	37
405/1	11	4	0	4	11	0
405/2A	8	34	0	0	8	34
405/2B	2	0	0	0	2	0
419	18	28	1	19	17	9
420/1	7	16	0	16	7	0
420/2	7	20	0	10	7	10
421/ A+B+4A+2A+4B	9	19	0	0	9	19
421/3A	4	17	0	0	4	17
422/1	5	0	0	0	5	0
422/2	6	5	0	0	6	5
423/1A	2	38	0	0	2	38
423/1B	4	39	0	0	4	39
423/2	3	39	0	0	3	39
424/1	4	38.12	0	1	4	37.12
424/2	4	38.12	0	1	4	37.12
424/3	4	37.8			4	37.8
425/1	7	29	0	1	7	28
425/2	7	29	0	1	7	28
426/1	4	30	0	0	4	30
426/2	4	30	0	0	4	30
426/3	4	30	0	0	4	30
427/1	5	21	0	0	5	21
427/2	5	21	0	0	5	21
428/1	4	35	0	0	4	35
428/2	4	36	0	0	4	36
429/1	3	3	0	0	3	3
429/2	3	3	0	0	3	3
429/3	3	3	0	0	3	3
429/4	3	3	0	0	3	3
429/5	3	2	0	0	3	2
430/1	3	5	0	0	3	5
430/2	3	5	0	0	3	5


DEVELOPMENT OFFICER
KIADB, BELGAUM.

430/3	3	5	0	0	3	5
430/4	3	6	0	0	3	6
430/5	3	7	0	0	3	7
431/1	11	13.8	0	0	11	13.8
431/2	7	0	0	0	7	0
432/1	16	2	0	0	16	2
432/2	5	0	0	0	5	0
433/1	3	11	0	0	3	11
433/2	3	0	0	0	3	0
433/3	3	0	0	0	3	0
433/4	3	0	0	0	3	0
433/5	5	0	0	0	5	0
434/1	10	19	1	0	9	19
434/2A	5	36	0	36	5	0
435/1	5	8	0	8	5	0
435/2	10	22	0	0	10	22
436	16	15	0	0	16	15
437	24	20	0	0	24	20
438	4	10	0	0	4	10
439/1	2	17	0	0	2	17
439/2	2	23	0	0	2	23
440	7	19	0	0	7	19
441/1	4	0	0	0	4	0
441/1B	8	0	0	0	8	0
441/2	1	38	0	0	1	38
442	2	33	0	0	2	33
443/1	1	36.8	0	0	1	36.8
443/2	14	20	0	0	14	20
444/1A+B+4A+2+4B+3+4A	12	34.12	0	0	12	34.12
445/1+2	3	39	0	0	3	39
446/1	1	9.8	0	0	1	9.8
446/2	1	9.8	0	0	1	9.8
446/3	1	9.8	0	0	1	9.8
446/4	1	9.8	0	0	1	9.8
Total	433	7.8	5	10	427	37.8
	Acres	Guntas	Acres	Guntas	Acres	Guntas



[Signature]
DEVELOPMENT OFFICER
KIADB, BELGAUM.

"Attested"

[Signature]
Scientific Officer Grade-I
Forest Ecology & Environment
K.G.S. M.S. Building,
Bengaluru - 560 001.

Combined national Tote pools in offering

Sd/- Executive Engineer, Project (West) Division

"Pay development charges, help to develop Bengaluru"

(4) ಪಾಂಡಿತಿ ಬಡ ತೆರೆಯುವ ಬಿಸಾಂಕ:
(5) ಆರ್ಥಿಕ ಬಡ ತೆರೆಯುವ
ಗಿ (ಸಾಧ್ಯವಾದಲ್ಲಿ ಮಾತ್ರ). ಬಾಕಿ ಉಳಿದ
ಕೆ ಬದಲಾವಣೆ ಇರುವುದಿಲ್ಲ. ಹೆಚ್ಚಿನ
a.gov.in ವೆಬ್‌ಸೈಟ್‌ನಲ್ಲಿ ಹಾಗೂ ಈ

ಸಹಿ/- ಕಾರ್ಯನಿರ್ವಾಹಕ ಇಂಜಿನಿಯರ್,
ವಾಡ್ ಇಂಜಿನಿಯರಿಂಗ್ ವಿಭಾಗ, ಕಾರವಾರ

ಸಂಖ್ಯೆ
ಉಳಿದಂತೆ
ಸಂಪರ್ಕಿಸಿ
ಸಂಪರ್ಕಿಸಿ



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. Vasanthanasapura 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) Vasanthanasapura 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

RAVARI NIGAM LIMITED

(Ravari 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
and Works consisting of Intake
in 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
ct, Karnataka" was called and
instead of Guddada Madhapura
(Madlur) LIS works's drawings
hence the Drawings of Guddada
ndum for the above said work
Further details are remains
tender notification and its
made in the said Corrigendum,
1) will be published in the
ed in the news papers. Further
e office of the undersigned
re No. (08373) - 267071. and

Sd/- U.T.P. Division, Ranebennur.

MINOR I
DEPART
MINOR II

PH M

No.EE /MID
SHC

Executive
Developn
item rate
Portal Sys
1. Constr
Ankalagi
Rs.99.99
period is
the worl
Division (C
up to C
<https://e>
upto 16.
on 07-04
all the D
a Notar
Enginee
such Tec

DIP/BGM/R

Bo



Robust
innovative solution for mankind

ROBUST MATERIALS TECHNOLOGY PVT. LTD.

(Recognised by MoEF&CC, DSIR-Government of India & Notified by FSSAI)
(Approved by Drug Control Department-GoK ; Certified by OHSAS-ISO 45001:2018)

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/2021/00788
	Report date	: 30/06/2021
	Ref.	: Test Request Form
	Date of Sampling	: 26/06/2021 to 27/06/2021
	Job Order No	: RE/2021/00788
	Date of Receipt	: 28/06/2021
	Analysis Start date	: 28/06/2021
Sample Particulars: Ambient Air Monitoring for 24 hrs.	Analysis Completed date	: 30/06/2021
Name of the Industrial Area: Kittur Industrial Area, Bailahongal Taluk, Belgaum District, Karnataka. (Ext- 433.33 A).		
Sample Location: Kittur Industrial Area- Project Site.		

Sl. No.	Parameters	Results	Limits (As Per NAAQS) For 24hrs	Protocol
1	Particulate Matter PM ₁₀ , µg/m ³	59.8	100	IS-5182 (P-23)
2	Particulate Matter PM _{2.5} , µg/m ³	22.6	60	IS-5182 (P-24)
3	Nitrogen Dioxide NO ₂ , µg/m ³	20.1	80	IS-5182 (P-06)
4	Sulphur dioxide as SO ₂ , µg/m ³	13.9	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-----

30/6/21
Verified by

30/06/21
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.



Robust
innovative solution for mankind

ROBUST MATERIALS TECHNOLOGY PVT. LTD.

(Recognised by MoEF&CC, DSIR-Government of India & Notified by FSSAI)
(Approved by Drug Control Department-GoK ; Certified by OHSAS-ISO 45001:2018)

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/2021/00789
	Report date	: 30/06/2021
	Ref.	: Test Request Form
	Date of Sampling	: 26/06/2021 to 27/06/2021
	Job Order No	: RE/2021/00789
	Date of Receipt	: 28/06/2021
	Analysis Start date	: 28/06/2021
Sample Particulars: Ambient Air Monitoring for 24 hrs.	Analysis Completed date	: 30/06/2021
Name of the Industrial Area: Kittur Industrial Area, Bailahongal Taluk, Belgaum District, Karnataka. (Ext- 433.33 A).		
Sample Location: Near Tegur Village.		

Sl. No.	Parameters	Results	Limits (As Per NAAQS) For 24hrs	Protocol
1	Particulate Matter PM ₁₀ , µg/m ³	58.3	100	IS-5182 (P-23)
2	Particulate Matter PM _{2.5} , µg/m ³	21.5	60	IS-5182 (P-24)
3	Nitrogen Dioxide NO ₂ , µg/m ³	18.2	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-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

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


30/6/21
Verified by


30/06/21
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.



Robust

innovative solution for mankind

ROBUST MATERIALS TECHNOLOGY PVT. LTD.

(Recognised by MoEF&CC, DSIR-Government of India & Notified by FSSAI)
(Approved by Drug Control Department-GoK ; Certified by OHSAS-ISO 45001:2018)

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/2021/00790
Report date	: 30/06/2021
Ref.	: Test Request Form
Date of Sampling	: 26/06/2021 to 27/06/2021
Job Order No	: RE/2021/00790
Date of Receipt	: 28/06/2021
Analysis Start date	: 28/06/2021
Analysis Completed date	: 30/06/2021

Sample Particulars: Ambient Air Monitoring for 24 hrs.

Name of the Industrial Area: Kittur Industrial Area, Bailahongal Taluk, Belgaum District, Karnataka. (Ext- 433.33 A).

Sample Location: Near Marigeri Village.

Sl. No.	Parameters	Results	Limits (As Per NAAQS) For 24hrs	Protocol
1	Particulate Matter PM ₁₀ , µg/m ³	56.7	100	IS-5182 (P-23)
2	Particulate Matter PM _{2.5} , µg/m ³	21.1	60	IS-5182 (P-24)
3	Nitrogen Dioxide NO ₂ , µg/m ³	17.3	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	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

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


30/6/21
Verified by


30/06/21
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.



Robust
innovative solution for mankind

ROBUST MATERIALS TECHNOLOGY PVT. LTD.

(Recognised by MoEF&CC, DSIR-Government of India & Notified by FSSAI)
(Approved by Drug Control Department-GoK ; Certified by OHSAS-ISO 45001:2018)

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/2021/00791
	Report date	: 30/06/2021
	Ref.	: Test Request Form
	Date of Sampling	: 26/06/2021 to 27/06/2021
	Job Order No	: RE/2021/00791
	Date of Receipt	: 28/06/2021
	Analysis Start date	: 28/06/2021
Sample Particulars: Ambient Air Monitoring for 24 hrs.	Analysis Completed date	: 30/06/2021
Name of the Industrial Area: Kittur Industrial Area, Bailahongal Taluk, Belgaum District, Karnataka. (Ext- 433.33 A).		
Sample Location: Near Kittur 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	23.8	60	IS-5182 (P-24)
3	Nitrogen Dioxide NO ₂ , µg/m ³	20.1	80	IS-5182 (P-06)
4	Sulphur dioxide as SO ₂ , µg/m ³	14.8	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-932	20-I-1165
Calibrated on date	16-12-2020	16-12-2020
Calibration due date	15-12-2021	15-12-2021

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


20/6/21
Verified by


30/06/21
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.



Robust

innovative solution for mankind

ROBUST MATERIALS TECHNOLOGY PVT. LTD.

(Recognised by MoEF&CC, DSIR-Government of India & Notified by FSSAI)
(Approved by Drug Control Department-GoK ; Certified by OHSAS-ISO 45001:2018)

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/2021/00792
	Report date	: 30/06/2021
	Ref.	: Test Request Form
	Date of Sampling	: 26/06/2021 to 27/06/2021
	Job Order No	: RE/2021/00792
	Date of Receipt	: 28/06/2021
	Analysis Start date	: 28/06/2021
Sample Particulars: Ambient Air Monitoring for 24 hrs.	Analysis Completed date	: 30/06/2021
Name of the Industrial Area: Kittur Industrial Area, Bailahongal Taluk, Belgaum District, Karnataka. (Ext- 433.33 A).		
Sample Location: Near Madhanbhavii Village.		

Sl. No.	Parameters	Results	Limits (As Per NAAQS) For 24hrs	Protocol
1	Particulate Matter PM ₁₀ , µg/m ³	54.9	100	IS-5182 (P-23)
2	Particulate Matter PM _{2.5} , µg/m ³	20.5	60	IS-5182 (P-24)
3	Nitrogen Dioxide NO ₂ , µg/m ³	15.7	80	IS-5182 (P-06)
4	Sulphur dioxide as SO ₂ , µg/m ³	9.8	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

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


30/6/21
Verified by


30/06/21
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.



Robust
innovative solution for mankind

ROBUST MATERIALS TECHNOLOGY PVT. LTD.

(Recognised by MoEF&CC, DSIR-Government of India & Notified by FSSAI)
(Approved by Drug Control Department-GoK ; Certified by OHSAS-ISO 45001:2018)

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/2021/00793
	Report date	: 30/06/2021
	Ref.	: Test Request Form
	Date of Sampling	: 26/06/2021 to 27/06/2021
	Job Order No	: RE/2021/00793
	Date of Receipt	: 28/06/2021
	Analysis Start date	: 28/06/2021
Sample Particulars: Ambient Air Monitoring for 24 hrs.	Analysis Completed date	: 30/06/2021
Name of the Industrial Area: Kittur Industrial Area, Bailahongal Taluk, Belgaum District, Karnataka. (Ext- 433.33 A).		
Sample Location: Near Pranatti Halli.		

Sl. No.	Parameters	Results	Limits (As Per NAAQS) For 24hrs	Protocol
1	Particulate Matter PM ₁₀ , µg/m ³	55.2	100	IS-5182 (P-23)
2	Particulate Matter PM _{2.5} , µg/m ³	21.3	60	IS-5182 (P-24)
3	Nitrogen Dioxide NO ₂ , µg/m ³	17.7	80	IS-5182 (P-06)
4	Sulphur dioxide as SO ₂ , µg/m ³	10.9	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

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


Verified by


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.



Robust

innovative solution for mankind

ROBUST MATERIALS TECHNOLOGY PVT. LTD.

(Recognised by MoEF&CC, DSIR-Government of India & Notified by FSSAI)
(Approved by Drug Control Department-GoK ; Certified by OHSAS-ISO 45001:2018)

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/2021/00794
	Report date	: 30/06/2021
	Ref.	: Test Request Form
	Date of Sampling	: 26/06/2021 to 27/06/2021
	Job Order No	: RE/2021/00794
	Date of Receipt	: 28/06/2021
	Analysis Start date	: 28/06/2021
Sample Particulars: Ambient Air Monitoring for 24 hrs.	Analysis Completed date	: 30/06/2021
Name of the Industrial Area: Kittur Industrial Area, Bailahongal Taluk, Belgaum District, Karnataka. (Ext- 433.33 A).		
Sample Location: Near Honnapur Village.		

Sl. No.	Parameters	Results	Limits (As Per NAAQS) For 24hrs	Protocol
1	Particulate Matter PM ₁₀ , µg/m ³	53.8	100	IS-5182 (P-23)
2	Particulate Matter PM _{2.5} , µg/m ³	19.4	60	IS-5182 (P-24)
3	Nitrogen Dioxide NO ₂ , µg/m ³	17.1	80	IS-5182 (P-06)
4	Sulphur dioxide as SO ₂ , µg/m ³	10.5	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

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

30/6/21

Verified by

30/06/21
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.



Robust

innovative solution for mankind

ROBUST MATERIALS TECHNOLOGY PVT. LTD.

(Recognised by MoEF&CC, DSIR-Government of India & Notified by FSSAI)
(Approved by Drug Control Department-GoK ; Certified by OHSAS-ISO 45001:2018)

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/2021/00795
	Report date	: 30/06/2021
	Ref.	: Test Request Form
	Date of Sampling	: 26/06/2021 to 27/06/2021
	Job Order No	: RE/2021/00795
	Date of Receipt	: 28/06/2021
	Analysis Start date	: 28/06/2021
Sample Particulars: Ambient Air Monitoring for 24 hrs.	Analysis Completed date	: 30/06/2021
Name of the Industrial Area: Kittur Industrial Area, Bailahongal Taluk, Belgaum District, Karnataka. (Ext- 433.33 A).		
Sample Location: Near Timmapur Village.		

Sl. No.	Parameters	Results	Limits (As Per NAAQS) For 24hrs	Protocol
1	Particulate Matter PM ₁₀ , µg/m ³	54.1	100	IS-5182 (P-23)
2	Particulate Matter PM _{2.5} , µg/m ³	20.3	60	IS-5182 (P-24)
3	Nitrogen Dioxide NO ₂ , µg/m ³	17.5	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

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


30/06/21
Verified by


30/06/21
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.



Robust
innovative solution for mankind

ROBUST MATERIALS TECHNOLOGY PVT. LTD.

(Recognised by MoEF&CC, DSIR-Government of India & Notified by FSSAI)
(Approved by Drug Control Department-GoK ; Certified by OHSAS-ISO 45001:2018)

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/2021/00796
Report date	: 30/06/2021
Ref.	: Test Request Form
Date of Sampling	: 26/06/2021 to 27/06/2021
Job Order No	: RE/2021/00796
Date of Receipt	: 28/06/2021
Analysis Start date	: 28/06/2021
Analysis Completed date	: 30/06/2021

Name of the Industrial Area: Kittur Industrial Area, Bailahongal Taluk, Belgaum District, Karnataka. (Ext- 433.33 A).

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/2021/00454	Kittur Industrial Area- Project Site	6:01 AM to 10:00 PM	48.2	74.6	60.0
		10:01 PM to 6:00 AM	47.1	56.9	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.

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


30/6/21
Verified by


30/6/21
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.

TEST REPORT


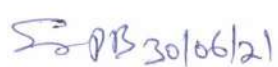


M/s. Karnataka Industrial Areas Development Board (KIADB). No. 49, 4th & 5th Floor, East Wing, Khanija Bhavan, Race Course Road, Bengaluru, Karnataka 560 001.	Report No.	: RE/2021/00797
	Report date	: 30/06/2021
	Ref.	: Test Request Form
	Date of Sampling	: 26/06/2021 to 27/06/2021
	Job Order No	: RE/2021/00797
	Date of Receipt	: 28/06/2021
	Analysis Start date	: 28/06/2021
	Analysis Completed date	: 30/06/2021
Name of the Industrial Area: Kittur Industrial Area, Bailahongal Taluk, Belgaum District, Karnataka. (Ext- 433.33 A).		
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/2021/00456	Near Tegur Village	6:01 AM to 10:00 PM	48.9	57.9	53.2
		10:01 PM to 6:00 AM	38.6	45.2	41.8

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.
-----END OF THE REPORT-----	
 Verified by	 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/2021/00798
	Report date	: 30/06/2021
	Ref.	: Test Request Form
	Date of Sampling	: 26/06/2021 to 27/06/2021
	Job Order No	: RE/2021/00798
	Date of Receipt	: 28/06/2021
	Analysis Start date	: 28/06/2021
	Analysis Completed date	: 30/06/2021
Name of the Industrial Area: Kittur Industrial Area, Bailahongal Taluk, Belgaum District, Karnataka. (Ext- 433.33 A).		
Sample Particulars: Noise Monitoring for 24 hrs.		

J.O.No.	Location	Time Frequency	L min dB(A)	L max dB(A)	Leq dB(A)
RE/2021/00458	Near Marigeri Village	6:01 AM to 10:00 PM	50.3	59.2	54.6
		10:01 PM to 6:00 AM	39.5	47.5	43.3

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.
_____ 30/6/21 Verified by	-----END OF THE REPORT----- _____ 30/06/21 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/2021/00799
	Report date	: 30/06/2021
	Ref.	: Test Request Form
	Date of Sampling	: 26/06/2021 to 27/06/2021
	Job Order No	: RE/2021/00799
	Date of Receipt	: 28/06/2021
	Analysis Start date	: 28/06/2021
	Analysis Completed date	: 30/06/2021
Name of the Industrial Area: Kittur Industrial Area, Bailahongal Taluk, Belgaum District, Karnataka. (Ext- 433.33 A).		
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/2021/00460	Near Kittur Village	6:01 AM to 10:00 PM	40.2	72.2	53.9
		10:01 PM to 6:00 AM	37.2	52.2	44.1

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.

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


30/6/21
Verified by


30/06/21
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/2021/00800
	Report date	: 30/06/2021
	Ref.	: Test Request Form
	Date of Sampling	: 26/06/2021 to 27/06/2021
	Job Order No	: RE/2021/00800
	Date of Receipt	: 28/06/2021
	Analysis Start date	: 28/06/2021
	Analysis Completed date	: 30/06/2021
Name of the Industrial Area: Kittur Industrial Area, Bailahongal Taluk, Belgaum District, Karnataka. (Ext- 433.33 A).		
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/2021/00462	Near Madhanbhavii Village	6:01 AM to 10:00 PM	37.9	73.5	52.8
		10:01 PM to 6:00 AM	36.2	50.9	42.9

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)

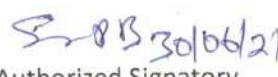
- Day Time is reckoned between 6 A.M and 10 P.M.
- Night Time is reckoned between 10 P.M and 6 A.M.
- Leq: It is energy mean of the noise level over a specified period.
- *-dB (A) Leq denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.
-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

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



20/6/21
Verified by



30/06/21
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/2021/00801
	Report date	: 30/06/2021
	Ref.	: Test Request Form
	Date of Sampling	: 26/06/2021 to 27/06/2021
	Job Order No	: RE/2021/00801
	Date of Receipt	: 28/06/2021
	Analysis Start date	: 28/06/2021
	Analysis Completed date	: 30/06/2021
Name of the Industrial Area: Kittur Industrial Area, Bailahongal Taluk, Belgaum District, Karnataka. (Ext- 433.33 A).		
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/2021/00464	Near Pranatti Halli	6:01 AM to 10:00 PM	40.1	70.2	53.1
		10:01 PM to 6:00 AM	36.4	52.3	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.
- *-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.
------------------	--

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


 30/6/21
 Verified by


 30/06/21
 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/2021/00802
	Report date	: 30/06/2021
	Ref.	: Test Request Form
	Date of Sampling	: 26/06/2021 to 27/06/2021
	Job Order No	: RE/2021/00802
	Date of Receipt	: 28/06/2021
	Analysis Start date	: 28/06/2021
	Analysis Completed date	: 30/06/2021
Name of the Industrial Area: Kittur Industrial Area, Bailahongal Taluk, Belgaum District, Karnataka. (Ext- 433.33 A).		
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/2021/00466	Near Honnapur Village	6:01 AM to 10:00 PM	42.3	66.2	52.9
		10:01 PM to 6:00 AM	36.4	52.3	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.
- *-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.
------------------	--

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


 30/6/21
 Verified by


 30/06/21
 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/2021/00803
	Report date	: 30/06/2021
	Ref.	: Test Request Form
	Date of Sampling	: 26/06/2021 to 27/06/2021
	Job Order No	: RE/2021/00803
	Date of Receipt	: 28/06/2021
	Analysis Start date	: 28/06/2021
	Analysis Completed date	: 30/06/2021
Name of the Industrial Area: Kittur Industrial Area, Bailahongal Taluk, Belgaum District, Karnataka. (Ext- 433.33 A).		
Sample Particulars: Noise Monitoring for 24 hrs.		

J.O.No.	Location	Time Frequency	L min dB(A)	L max dB(A)	Leq dB(A)
RE/2021/00468	Near Timmapur Village	6:01 AM to 10:00 PM	39.5	70.9	52.9
		10:01 PM to 6:00 AM	35.7	50.4	42.4

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.
------------------	--

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


 30/6/21
 Verified by


 30/06/21
 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.



Robust
innovative solution for mankind

ROBUST MATERIALS TECHNOLOGY PVT. LTD.

(Recognised by MoEF&CC, DSIR-Government of India & Notified by FSSAI)
(Approved by Drug Control Department-GoK ; Certified by OHSAS-ISO 45001:2018)

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/2021/00804
Report date	: 30/06/2021
Reference	: Test Request Form
Sample receipt date	: 28/06/2021
Job Order No	: RE/2021/00804
Date of Sampling	: 26/06/2021
Analysis start date	: 28/06/2021
Analysis completion date	: 30/06/2021
Sampling Protocol	: E/WP/65

Sample Qty: 2 Ltrs

Name of the Industrial Area: Kittur Industrial Area, Bailahongal Taluk, Belgaum District, Karnataka. (Ext-433.33 A).

Sample Particulars: One sample of Borewell Water – Near Kittur Industrial Area- Project Site.

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	7.21	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	200.57	250	1000	IS 3025 (Part – 32): 1988 Reaff.2019
6	Total hardness as CaCO ₃ , mg/L	289.94	200	600	IS 3025 (Part – 21): 2009 Reaff.2019
7	Calcium as Ca, mg/L	73.56	75	200	IS 3025 (Part – 40): 1991 Reaff.2019
8	Magnesium as Mg, mg/L	25.77	30	100	IS 3025 (Part – 46): 1994 Reaff.2019
9	Total dissolved Solids, mg/L	598.0	500	2000	IS 3025 (Part – 16): 1984 Reaff.2017
10	Sulphate as SO ₄ , mg/L	53.21	200	400	IS 3025 (Part – 24): 1986 Reaff.2019
11	Nitrate as NO ₃ , mg/L	14.6	45.0	No relaxation	APHA 23 rd Edition
12	Fluoride as F, mg/L	0.56	1.0	1.5	APHA 23 rd Edition
13	Iron as Fe, mg/L	0.15	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	BDL	5	15	IS 3025 (Part – 49): 1994 Reaff. 2019

Laxshya Jais
20/06/21
Verified by

S. B. S.
30/06/21
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.



Robust
innovative solution for mankind

ROBUST MATERIALS TECHNOLOGY PVT. LTD.

(Recognised by MoEF&CC, DSIR-Government of India & Notified by FSSAI)
(Approved by Drug Control Department-GoK ; Certified by OHSAS-ISO 45001:2018)

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/2021/00804
	Report date	: 30/06/2021
	Reference	: Test Request Form
	Sample receipt date	: 28/06/2021
	Job Order No	: RE/2021/00804
	Date of Sampling	: 26/06/2021
	Analysis start date	: 28/06/2021
	Analysis completion date	: 30/06/2021
	Sampling Protocol	: E/WP/65
Sample Qty: 2 Ltrs		
Name of the Industrial Area: Kittur Industrial Area, Bailahongal Taluk, Belgaum District, Karnataka. (Ext-433.33 A).		
Sample Particulars: One sample of Borewell Water – Near Kittur Industrial Area- Project Site.		

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	4.24	-	-	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
30/6/21
Verified by

S. B. D. S. D.
30/6/21
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.



Robust
innovative solution for mankind

ROBUST MATERIALS TECHNOLOGY PVT. LTD.

(Recognised by MoEF&CC, DSIR-Government of India & Notified by FSSAI)
(Approved by Drug Control Department-GoK ; Certified by OHSAS-ISO 45001:2018)

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/2021/00805
	Report date	: 30/06/2021
	Reference	: Test Request Form
	Sample receipt date	: 28/06/2021
	Job Order No	: RE/2021/00805
	Date of Sampling	: 26/06/2021
	Analysis start date	: 28/06/2021
	Analysis completion date	: 30/06/2021
Sample Qty: 2 Ltrs	Sampling Protocol	: E/WP/65
Name of the Industrial Area: Kittur Industrial Area, Bailahongal Taluk, Belgaum District, Karnataka. (Ext-433.33 A).		
Sample Particulars: One sample of Borewell Water – Near Tegur 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	0.6	1	5	IS 3025 (Part – 10): 1984 Reaff.2017
5	Chloride as Cl, mg/L	185.9	250	1000	IS 3025 (Part – 32): 1988 Reaff.2019
6	Total hardness as CaCO ₃ , mg/L	265.43	200	600	IS 3025 (Part – 21): 2009 Reaff.2019
7	Calcium as Ca, mg/L	63.75	75	200	IS 3025 (Part – 40): 1991 Reaff.2019
8	Magnesium as Mg, mg/L	25.77	30	100	IS 3025 (Part – 46): 1994 Reaff.2019
9	Total dissolved Solids, mg/L	492.0	500	2000	IS 3025 (Part – 16): 1984 Reaff.2017
10	Sulphate as SO ₄ , mg/L	13.45	200	400	IS 3025 (Part – 24): 1986 Reaff.2019
11	Nitrate as NO ₃ , mg/L	24.6	45.0	No relaxation	APHA 23 rd Edition
12	Fluoride as F, mg/L	0.42	1.0	1.5	APHA 23 rd Edition
13	Iron as Fe, mg/L	0.24	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	BDL	5	15	IS 3025 (Part – 49): 1994 Reaff 2019

Verified by
30/6/21

Authorized by
30/6/21

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.



Robust
innovative solution for mankind

ROBUST MATERIALS TECHNOLOGY PVT. LTD.

(Recognised by MoEF&CC, DSIR-Government of India & Notified by FSSAI)
(Approved by Drug Control Department-GoK ; Certified by OHSAS-ISO 45001:2018)

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/2021/00805
	Report date	: 30/06/2021
	Reference	: Test Request Form
	Sample receipt date	: 28/06/2021
	Job Order No	: RE/2021/00805
	Date of Sampling	: 26/06/2021
	Analysis start date	: 28/06/2021
	Analysis completion date	: 30/06/2021
	Sampling Protocol	: E/WP/65
Sample Qty: 2 Ltrs		
Name of the Industrial Area: Kittur Industrial Area, Bailahongal Taluk, Belgaum District, Karnataka. (Ext-433.33 A).		
Sample Particulars: One sample of Borewell Water – Near Tegur 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	3.52	-	-	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-----

Loakeshree P. S.
30/6/21
Verified by

S. S. S.
30/6/21
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.



Robust
innovative solution for mankind

ROBUST MATERIALS TECHNOLOGY PVT. LTD.

(Recognised by MoEF&CC, DSIR-Government of India & Notified by FSSAI)
(Approved by Drug Control Department-GoK ; Certified by OHSAS-ISO 45001:2018)

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/2021/00806
Report date	: 30/06/2021
Reference	: Test Request Form
Sample receipt date	: 28/06/2021
Job Order No	: RE/2021/00806
Date of Sampling	: 26/06/2021
Analysis start date	: 28/06/2021
Analysis completion date	: 30/06/2021
Sampling Protocol	: E/WP/65

Sample Qty: 2 Ltrs

Name of the Industrial Area: Kittur Industrial Area, Bailahongal Taluk, Belgaum District, Karnataka. (Ext-433.33 A).

Sample Particulars: One sample of Borewell Water – Near Marigeri 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	7.32	6.5 – 8.5	No relaxation	IS 3025 (Part – 11): 1983 Reaff.2017
4	Turbidity, NTU	0.2	1	5	IS 3025 (Part – 10): 1984 Reaff.2017
5	Chloride as Cl, mg/L	190.79	250	1000	IS 3025 (Part – 32): 1988 Reaff.2019
6	Total hardness as CaCO ₃ , mg/L	281.77	200	600	IS 3025 (Part – 21): 2009 Reaff.2019
7	Calcium as Ca, mg/L	65.39	75	200	IS 3025 (Part – 40): 1991 Reaff.2019
8	Magnesium as Mg, mg/L	28.75	30	100	IS 3025 (Part – 46): 1994 Reaff.2019
9	Total dissolved Solids, mg/L	521.0	500	2000	IS 3025 (Part – 16): 1984 Reaff.2017
10	Sulphate as SO ₄ , mg/L	35.12	200	400	IS 3025 (Part – 24): 1986 Reaff.2019
11	Nitrate as NO ₃ , mg/L	21.34	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	0.11	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	0.32	5	15	IS 3025 (Part – 49): 1994 Reaff 2019

Janakshri Bai's
30/6/21
Verified by

S. S. S.
30/6/21
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.



Robust
innovative solution for mankind

ROBUST MATERIALS TECHNOLOGY PVT. LTD.

(Recognised by MoEF&CC, DSIR-Government of India & Notified by FSSAI)
(Approved by Drug Control Department-GoK ; Certified by OHSAS-ISO 45001:2018)

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/2021/00806
	Report date	: 30/06/2021
	Reference	: Test Request Form
	Sample receipt date	: 28/06/2021
	Job Order No	: RE/2021/00806
	Date of Sampling	: 26/06/2021
	Analysis start date	: 28/06/2021
Analysis completion date	: 30/06/2021	
Sample Qty: 2 Ltrs	Sampling Protocol	: E/WP/65
Name of the Industrial Area: Kittur Industrial Area, Bailahongal Taluk, Belgaum District, Karnataka. (Ext-433.33 A).		
Sample Particulars: One sample of Borewell Water – Near Marigeri 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	3.82	-	-	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
20/6/21
Verified by

S. B. 30/6/21
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.



Robust
innovative solution for mankind

ROBUST MATERIALS TECHNOLOGY PVT. LTD.

(Recognised by MoEF&CC, DSIR-Government of India & Notified by FSSAI)
(Approved by Drug Control Department-GoK ; Certified by OHSAS-ISO 45001:2018)

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/2021/00807
	Report date	: 30/06/2021
	Reference	: Test Request Form
	Sample receipt date	: 28/06/2021
	Job Order No	: RE/2021/00807
	Date of Sampling	: 26/06/2021
	Analysis start date	: 28/06/2021
	Analysis completion date	: 30/06/2021
Sample Qty: 2 Ltrs	Sampling Protocol	: E/WP/65
Name of the Industrial Area: Kittur Industrial Area, Bailahongal Taluk, Belgaum District, Karnataka. (Ext-433.33 A).		
Sample Particulars: One sample of Borewell Water – Near Kittur 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	7.05	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	176.11	250	1000	IS 3025 (Part – 32): 1988 Reaff.2019
6	Total hardness as CaCO ₃ , mg/L	240.93	200	600	IS 3025 (Part – 21): 2009 Reaff.2019
7	Calcium as Ca, mg/L	57.22	75	200	IS 3025 (Part – 40): 1991 Reaff.2019
8	Magnesium as Mg, mg/L	23.79	30	100	IS 3025 (Part – 46): 1994 Reaff.2019
9	Total dissolved Solids, mg/L	503.0	500	2000	IS 3025 (Part – 16): 1984 Reaff.2017
10	Sulphate as SO ₄ , mg/L	30.21	200	400	IS 3025 (Part – 24): 1986 Reaff.2019
11	Nitrate as NO ₃ , mg/L	14.92	45.0	No relaxation	APHA 23 rd Edition
12	Fluoride as F, mg/L	0.24	1.0	1.5	APHA 23 rd Edition
13	Iron as Fe, mg/L	0.20	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

Verified by
30/06/21

Authorized by
30/06/21

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.



Robust
innovative solution for mankind

ROBUST MATERIALS TECHNOLOGY PVT. LTD.

(Recognised by MoEF&CC, DSIR-Government of India & Notified by FSSAI)
(Approved by Drug Control Department-GoK ; Certified by OHSAS-ISO 45001:2018)

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/2021/00807
	Report date	: 30/06/2021
	Reference	: Test Request Form
	Sample receipt date	: 28/06/2021
	Job Order No	: RE/2021/00807
	Date of Sampling	: 26/06/2021
	Analysis start date	: 28/06/2021
	Analysis completion date	: 30/06/2021
	Sampling Protocol	: E/WP/65
	Sample Qty: 2 Ltrs	

Name of the Industrial Area: Kittur Industrial Area, Bailahongal Taluk, Belgaum District, Karnataka. (Ext-433.33 A).

Sample Particulars: One sample of **Borewell Water – Near Kittur 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	2.45	-	-	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 Pais
30/6/21
Verified by

S. S. S.
30/6/21
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.



Robust

innovative solution for mankind

ROBUST MATERIALS TECHNOLOGY PVT. LTD.

(Recognised by MoEF&CC, DSIR-Government of India & Notified by FSSAI)
(Approved by Drug Control Department-GoK ; Certified by OHSAS-ISO 45001:2018)

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/2021/00808
	Report date	: 30/06/2021
	Reference	: Test Request Form
	Sample receipt date	: 28/06/2021
	Job Order No	: RE/2021/00808
	Date of Sampling	: 26/06/2021
	Analysis start date	: 28/06/2021
	Analysis completion date	: 30/06/2021
Sample Qty: 2 Ltrs	Sampling Protocol	: E/WP/65
Name of the Industrial Area: Kittur Industrial Area, Bailahongal Taluk, Belgaum District, Karnataka. (Ext-433.33 A).		
Sample Particulars: One sample of Borewell Water – Near Madhanbhavi 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	7.39	6.5 – 8.5	No relaxation	IS 3025 (Part – 11): 1983 Reaff.2017
4	Turbidity, NTU	0.7	1	5	IS 3025 (Part – 10): 1984 Reaff.2017
5	Chloride as Cl, mg/L	181.0	250	1000	IS 3025 (Part – 32): 1988 Reaff.2019
6	Total hardness as CaCO ₃ , mg/L	249.10	200	600	IS 3025 (Part – 21): 2009 Reaff.2019
7	Calcium as Ca, mg/L	68.66	75	200	IS 3025 (Part – 40): 1991 Reaff.2019
8	Magnesium as Mg, mg/L	18.83	30	100	IS 3025 (Part – 46): 1994 Reaff.2019
9	Total dissolved Solids, mg/L	523.0	500	2000	IS 3025 (Part – 16): 1984 Reaff.2017
10	Sulphate as SO ₄ , mg/L	30.52	200	400	IS 3025 (Part – 24): 1986 Reaff.2019
11	Nitrate as NO ₃ , mg/L	26.81	45.0	No relaxation	APHA 23 rd Edition
12	Fluoride as F, mg/L	0.61	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	0.23	5	15	IS 3025 (Part – 49): 1994 Reaff 2019

Laxshya S
30/6/21
Verified by

S B S
30/06/21
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.



Robust
innovative solution for mankind

ROBUST MATERIALS TECHNOLOGY PVT. LTD.

(Recognised by MoEF&CC, DSIR-Government of India & Notified by FSSAI)
(Approved by Drug Control Department-GoK ; Certified by OHSAS-ISO 45001:2018)

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/2021/00808
	Report date	: 30/06/2021
	Reference	: Test Request Form
	Sample receipt date	: 28/06/2021
	Job Order No	: RE/2021/00808
	Date of Sampling	: 26/06/2021
	Analysis start date	: 28/06/2021
	Analysis completion date	: 30/06/2021
	Sampling Protocol	: E/WP/65
Sample Qty: 2 Ltrs		
Name of the Industrial Area: Kittur Industrial Area, Bailahongal Taluk, Belgaum District, Karnataka. (Ext-433.33 A).		
Sample Particulars: One sample of Borewell Water – Near Madhanbhavi 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	2.43	-	-	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-----

Jacky Poo
30/6/21
Verified by

C. B. S. 30/6/21
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.



Robust
innovative solution for mankind

ROBUST MATERIALS TECHNOLOGY PVT. LTD.

(Recognised by MoEF&CC, DSIR-Government of India & Notified by FSSAI)
(Approved by Drug Control Department-GoK ; Certified by OHSAS-ISO 45001:2018)

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/2021/00809
	Report date	: 30/06/2021
	Reference	: Test Request Form
	Sample receipt date	: 28/06/2021
	Job Order No	: RE/2021/00809
	Date of Sampling	: 26/06/2021
	Analysis start date	: 28/06/2021
	Analysis completion date	: 30/06/2021
Sample Qty: 2 Ltrs	Sampling Protocol	: E/WP/65
Name of the Industrial Area: Kittur Industrial Area, Bailahongal Taluk, Belgaum District, Karnataka. (Ext-433.33 A).		
Sample Particulars: One sample of Borewell Water - Near Pranatti Halli.		

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	7.30	6.5 – 8.5	No relaxation	IS 3025 (Part – 11): 1983 Reaff.2017
4	Turbidity, NTU	0.8	1	5	IS 3025 (Part – 10): 1984 Reaff.2017
5	Chloride as Cl, mg/L	161.43	250	1000	IS 3025 (Part – 32): 1988 Reaff.2019
6	Total hardness as CaCO ₃ , mg/L	273.60	200	600	IS 3025 (Part – 21): 2009 Reaff.2019
7	Calcium as Ca, mg/L	63.75	75	200	IS 3025 (Part – 40): 1991 Reaff.2019
8	Magnesium as Mg, mg/L	27.76	30	100	IS 3025 (Part – 46): 1994 Reaff.2019
9	Total dissolved Solids, mg/L	462.0	500	2000	IS 3025 (Part – 16): 1984 Reaff.2017
10	Sulphate as SO ₄ , mg/L	19.52	200	400	IS 3025 (Part – 24): 1986 Reaff.2019
11	Nitrate as NO ₃ , mg/L	17.31	45.0	No relaxation	APHA 23 rd Edition
12	Fluoride as F, mg/L	0.21	1.0	1.5	APHA 23 rd Edition
13	Iron as Fe, mg/L	0.18	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	BDL	5	15	IS 3025 (Part – 49): 1994 Reaff 2019

Lakshmi S
30/6/21
Verified by

S 30/06/21
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.



Robust
innovative solution for mankind

ROBUST MATERIALS TECHNOLOGY PVT. LTD.

(Recognised by MoEF&CC, DSIR-Government of India & Notified by FSSAI)
(Approved by Drug Control Department-GoK ; Certified by OHSAS-ISO 45001:2018)

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/2021/00809
	Report date	: 30/06/2021
	Reference	: Test Request Form
	Sample receipt date	: 28/06/2021
	Job Order No	: RE/2021/00809
	Date of Sampling	: 26/06/2021
	Analysis start date	: 28/06/2021
	Analysis completion date	: 30/06/2021
Sample Qty: 2 Ltrs	Sampling Protocol	: E/WP/65
Name of the Industrial Area: Kittur Industrial Area, Bailahongal Taluk, Belgaum District, Karnataka. (Ext-433.33 A).		
Sample Particulars: One sample of Borewell Water – Near Pranatti Halli.		

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	2.56	-	-	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 Patis
30/06/21
Verified by

S. B. S. 30/06/21
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.



Robust
innovative solution for mankind

ROBUST MATERIALS TECHNOLOGY PVT. LTD.

(Recognised by MoEF&CC, DSIR-Government of India & Notified by FSSAI)
(Approved by Drug Control Department-GoK ; Certified by OHSAS-ISO 45001:2018)

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/2021/00810
	Report date	: 30/06/2021
	Reference	: Test Request Form
	Sample receipt date	: 28/06/2021
	Job Order No	: RE/2021/00810
	Date of Sampling	: 26/06/2021
	Analysis start date	: 28/06/2021
	Analysis completion date	: 30/06/2021
Sample Qty: 2 Ltrs	Sampling Protocol	: E/WP/65
Name of the Industrial Area: Kittur Industrial Area, Bailahongal Taluk, Belgaum District, Karnataka. (Ext-433.33 A).		
Sample Particulars: One sample of Borewell Water – Near Honnapur 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	7.18	6.5 – 8.5	No relaxation	IS 3025 (Part – 11): 1983 Reaff.2017
4	Turbidity, NTU	0.1	1	5	IS 3025 (Part – 10): 1984 Reaff.2017
5	Chloride as Cl, mg/L	171.22	250	1000	IS 3025 (Part – 32): 1988 Reaff.2019
6	Total hardness as CaCO ₃ , mg/L	208.26	200	600	IS 3025 (Part – 21): 2009 Reaff.2019
7	Calcium as Ca, mg/L	62.12	75	200	IS 3025 (Part – 40): 1991 Reaff.2019
8	Magnesium as Mg, mg/L	12.88	30	100	IS 3025 (Part – 46): 1994 Reaff.2019
9	Total dissolved Solids, mg/L	478.0	500	2000	IS 3025 (Part – 16): 1984 Reaff.2017
10	Sulphate as SO ₄ , mg/L	10.82	200	400	IS 3025 (Part – 24): 1986 Reaff.2019
11	Nitrate as NO ₃ , mg/L	6.51	45.0	No relaxation	APHA 23 rd Edition
12	Fluoride as F, mg/L	0.15	1.0	1.5	APHA 23 rd Edition
13	Iron as Fe, mg/L	0.24	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	0.42	5	15	IS 3025 (Part – 49): 1994 Reaff 2019

Lakshmi P S
30/6/21
Verified by

S. S. S. S.
30/06/21
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.



Robust
innovative solution for mankind

ROBUST MATERIALS TECHNOLOGY PVT. LTD.

(Recognised by MoEF&CC, DSIR-Government of India & Notified by FSSAI)
(Approved by Drug Control Department-GoK ; Certified by OHSAS-ISO 45001:2018)

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/2021/00810
	Report date	: 30/06/2021
	Reference	: Test Request Form
	Sample receipt date	: 28/06/2021
	Job Order No	: RE/2021/00810
	Date of Sampling	: 26/06/2021
	Analysis start date	: 28/06/2021
	Analysis completion date	: 30/06/2021
	Sampling Protocol	: E/WP/65
	Sample Qty: 2 Ltrs	
Name of the Industrial Area: Kittur Industrial Area, Bailahongal Taluk, Belgaum District, Karnataka. (Ext-433.33 A).		
Sample Particulars: One sample of Borewell Water – Near Honnapur 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	2.58	-	-	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 Raj
30/6/21
Verified by

S. B. S. 30/06/21
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.



Robust
innovative solution for mankind

ROBUST MATERIALS TECHNOLOGY PVT. LTD.

(Recognised by MoEF&CC, DSIR-Government of India & Notified by FSSAI)
(Approved by Drug Control Department-GoK ; Certified by OHSAS-ISO 45001:2018)

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/2021/00811
	Report date	: 30/06/2021
	Reference	: Test Request Form
	Sample receipt date	: 28/06/2021
	Job Order No	: RE/2021/00811
	Date of Sampling	: 26/06/2021
	Analysis start date	: 28/06/2021
	Analysis completion date	: 30/06/2021
Sample Qty: 2 Ltrs	Sampling Protocol	: E/WP/65
Name of the Industrial Area: Kittur Industrial Area, Bailahongal Taluk, Belgaum District, Karnataka. (Ext-433.33 A).		
Sample Particulars: One sample of Borewell Water – Near Timmapur 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	7.05	6.5 – 8.5	No relaxation	IS 3025 (Part – 11): 1983 Reaff.2017
4	Turbidity, NTU	1.2	1	5	IS 3025 (Part – 10): 1984 Reaff.2017
5	Chloride as Cl, mg/L	190.79	250	1000	IS 3025 (Part – 32): 1988 Reaff.2019
6	Total hardness as CaCO ₃ , mg/L	228.68	200	600	IS 3025 (Part – 21): 2009 Reaff.2019
7	Calcium as Ca, mg/L	67.02	75	200	IS 3025 (Part – 40): 1991 Reaff.2019
8	Magnesium as Mg, mg/L	14.87	30	100	IS 3025 (Part – 46): 1994 Reaff.2019
9	Total dissolved Solids, mg/L	420.0	500	2000	IS 3025 (Part – 16): 1984 Reaff.2017
10	Sulphate as SO ₄ , mg/L	11.58	200	400	IS 3025 (Part – 24): 1986 Reaff.2019
11	Nitrate as NO ₃ , mg/L	7.92	45.0	No relaxation	APHA 23 rd Edition
12	Fluoride as F, mg/L	0.21	1.0	1.5	APHA 23 rd Edition
13	Iron as Fe, mg/L	0.14	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	0.38	5	15	IS 3025 (Part – 49): 1994 Reaff 2019

Verified by
30/6/21

Authorized by
30/6/21

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/2021/00812
	Report date	: 30/06/2021
	reference	: Test Request Form
	Sample receipt date	: 28/06/2021
	Job Order No	: RE/2021/00812
	Date of Sampling	: 25/06/2021
	Analysis start date	: 28/06/2021
	Analysis completion date	: 30/06/2021
Sample Qty: 1kg	Sampling Protocol	: E/WP/77
Name of the Industrial Area: Kittur Industrial Area, Bailahongal Taluk, Belgaum District, Karnataka. (Ext-433.33 A).		
Sample Particulars: One Soil Sample- Near Kittur Industrial Area- Project Site.		

Sl. No.	Test	Result	Protocol
Description: Brown Colored Soil.			
1	pH (20% Suspension)	8.01	Practical Manual for Hands on training GKVK Bengaluru
2	Conductivity, $\mu\text{mhos/cm}$	123.0	Practical Manual for Hands on training GKVK Bengaluru
3	Chloride as Cl, mg/Kg	578.8	Practical Manual for Hands on training GKVK Bengaluru
4	Moisture, %	3.5	Practical Manual for Hands on training GKVK Bengaluru
5	Organic Matter, %	0.34	Practical Manual for Hands on training GKVK Bengaluru
6	Calcium as Ca, mg/Kg	1363.97	Practical Manual for Hands on training GKVK Bengaluru
7	Magnesium Mg, mg/Kg	492.0	Practical Manual for Hands on training GKVK Bengaluru
<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p><i>Leekshu P. S.</i> 30/6/21 Verified by</p> </div> <div style="text-align: center;"> <p><i>S. S. S.</i> 30/6/21 Authorized Signatory</p> </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/2021/00812
Report date	: 30/06/2021
reference	: Test Request Form
Sample receipt date	: 28/06/2021
Job Order No	: RE/2021/00812
Date of Sampling	: 25/06/2021
Analysis start date	: 28/06/2021
Analysis completion date	: 30/06/2021
Sampling Protocol	: E/WP/77

Sample Qty: 1kg

Name of the Industrial Area: Kittur Industrial Area, Bailahongal Taluk, Belgaum District, Karnataka. (Ext-433.33 A).

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

Sl. No.	Test	Result	Protocol
8	Colour	Brown	Practical Manual for Hands on training GKVK Bengaluru
9	Sulphur as S, mg/Kg	9.05	Practical Manual for Hands on training GKVK Bengaluru
10	Nitrogen as N, %	0.008	Practical Manual for Hands on training GKVK Bengaluru
11	Phosphorous as P, mg/Kg	5.96	Practical Manual for Hands on training GKVK Bengaluru
12	Potassium as K, mg/Kg	598.0	Practical Manual for Hands on training GKVK Bengaluru
13	Copper as Cu, mg/Kg	6.62	Practical Manual for Hands on training GKVK Bengaluru
14	Chromium as Cr, mg/Kg	4.87	Practical Manual for Hands on training GKVK Bengaluru
15	Zinc as Zn, mg/Kg	21.23	Practical Manual for Hands on training GKVK Bengaluru
16	Lead as Pb, mg/Kg	14.48	Practical Manual for Hands on training GKVK Bengaluru
17	Nickel as Ni, mg/Kg	2.38	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 Devi
30/6/21
Verified by

S. S. S.
30/06/21
Authorized by



Robust
innovative solution for mankind

ROBUST MATERIALS TECHNOLOGY PVT. LTD.

(Recognised by MoEF&CC, DSIR-Government of India & Notified by FSSAI)
(Approved by Drug Control Department-GoK ; Certified by OHSAS-ISO 45001:2018)

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/2021/00813
Report date	: 30/06/2021
reference	: Test Request Form
Sample receipt date	: 28/06/2021
Job Order No	: RE/2021/00813
Date of Sampling	: 25/06/2021
Analysis start date	: 28/06/2021
Analysis completion date	: 30/06/2021
Sampling Protocol	: E/WP/77

Sample Qty: 1kg

Name of the Industrial Area: Kittur Industrial Area, Bailahongal Taluk, Belgaum District, Karnataka. (Ext-433.33 A).

Sample Particulars: One Soil Sample – Near Tegur Village.

Sl. No.	Test	Result	Protocol
Description: Brown Colored Soil.			
1	pH (20% Suspension)	7.82	Practical Manual for Hands on training GKVK Bengaluru
2	Conductivity, μ mhos/cm	98.0	Practical Manual for Hands on training GKVK Bengaluru
3	Chloride as Cl, mg/Kg	362.20	Practical Manual for Hands on training GKVK Bengaluru
4	Moisture, %	5.86	Practical Manual for Hands on training GKVK Bengaluru
5	Organic Matter, %	0.10	Practical Manual for Hands on training GKVK Bengaluru
6	Calcium as Ca, mg/Kg	954.69	Practical Manual for Hands on training GKVK Bengaluru
7	Magnesium Mg, mg/Kg	526.8	Practical Manual for Hands on training GKVK Bengaluru

Verified by
30/6/21

Authorized Signatory
30/06/21

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/2021/00813
Report date	: 30/06/2021
reference	: Test Request Form
Sample receipt date	: 28/06/2021
Job Order No	: RE/2021/00813
Date of Sampling	: 25/06/2021
Analysis start date	: 28/06/2021
Analysis completion date	: 30/06/2021
Sampling Protocol	: E/WP/77

Sample Qty: 1kg

Name of the Industrial Area: Kittur Industrial Area, Bailahongal Taluk, Belgaum District, Karnataka. (Ext-433.33 A).

Sample Particulars: One Soil Sample – Near Tegur Village.

Sl. No.	Test	Result	Protocol
8	Colour	Brown	Practical Manual for Hands on training GKVK Bengaluru
9	Sulphur as S, mg/Kg	3.24	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	6.46	Practical Manual for Hands on training GKVK Bengaluru
12	Potassium as K, mg/Kg	573.2	Practical Manual for Hands on training GKVK Bengaluru
13	Copper as Cu, mg/Kg	13.46	Practical Manual for Hands on training GKVK Bengaluru
14	Chromium as Cr, mg/Kg	7.79	Practical Manual for Hands on training GKVK Bengaluru
15	Zinc as Zn, mg/Kg	29.60	Practical Manual for Hands on training GKVK Bengaluru
16	Lead as Pb, mg/Kg	12.76	Practical Manual for Hands on training GKVK Bengaluru
17	Nickel as Ni, mg/Kg	1.27	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-----

Leela Sais
30/6/21
Verified by

Sais
30/6/21
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/2021/00814
	Report date	: 30/06/2021
	reference	: Test Request Form
	Sample receipt date	: 28/06/2021
	Job Order No	: RE/2021/00814
	Date of Sampling	: 25/06/2021
	Analysis start date	: 28/06/2021
	Analysis completion date	: 30/06/2021
Sample Qty: 1kg	Sampling Protocol	: E/WP/77
Name of the Industrial Area: Kittur Industrial Area, Bailahongal Taluk, Belgaum District, Karnataka. (Ext-433.33 A).		
Sample Particulars: One Soil Sample - Near Marigeri Village.		

Sl. No.	Test	Result	Protocol
Description: Reddish brown Colored Soil.			
1	pH (20% Suspension)	7.61	Practical Manual for Hands on training GKVK Bengaluru
2	Conductivity, μ mhos/cm	107.0	Practical Manual for Hands on training GKVK Bengaluru
3	Chloride as Cl, mg/Kg	439.12	Practical Manual for Hands on training GKVK Bengaluru
4	Moisture, %	10.56	Practical Manual for Hands on training GKVK Bengaluru
5	Organic Matter, %	0.17	Practical Manual for Hands on training GKVK Bengaluru
6	Calcium as Ca, mg/Kg	1176.56	Practical Manual for Hands on training GKVK Bengaluru
7	Magnesium Mg, mg/Kg	357.6	Practical Manual for Hands on training GKVK Bengaluru
<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p><i>Laxmi Kulkarni</i> 30/6/21 Verified by</p> </div> <div style="text-align: center;"> <p><i>S.S.D.</i> 30/06/21 Authorized Signatory</p> </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/2021/00814
	Report date	: 30/06/2021
	reference	: Test Request Form
	Sample receipt date	: 28/06/2021
	Job Order No	: RE/2021/00814
	Date of Sampling	: 25/06/2021
	Analysis start date	: 28/06/2021
	Analysis completion date	: 30/06/2021
Sample Qty: 1kg	Sampling Protocol	: E/WP/77
Name of the Industrial Area: Kittur Industrial Area, Bailahongal Taluk, Belgaum District, Karnataka. (Ext-433.33 A).		
Sample Particulars: One Soil Sample – Near Marigeri Village.		

Sl. No.	Test	Result	Protocol
8	Colour	Brown	Practical Manual for Hands on training GKV Bengaluru
9	Sulphur as S, mg/Kg	1.44	Practical Manual for Hands on training GKV Bengaluru
10	Nitrogen as N, %	0.011	Practical Manual for Hands on training GKV Bengaluru
11	Phosphorous as P, mg/Kg	5.72	Practical Manual for Hands on training GKV Bengaluru
12	Potassium as K, mg/Kg	648.0	Practical Manual for Hands on training GKV Bengaluru
13	Copper as Cu, mg/Kg	4.40	Practical Manual for Hands on training GKV Bengaluru
14	Chromium as Cr, mg/Kg	7.31	Practical Manual for Hands on training GKV Bengaluru
15	Zinc as Zn, mg/Kg	13.33	Practical Manual for Hands on training GKV Bengaluru
16	Lead as Pb, mg/Kg	7.56	Practical Manual for Hands on training GKV Bengaluru
17	Nickel as Ni, mg/Kg	1.11	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-----

Jayashree S
28/6/21
Verified by

S. K. S
30/06/21
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/2021/00815
	Report date	: 30/06/2021
	reference	: Test Request Form
	Sample receipt date	: 28/06/2021
	Job Order No	: RE/2021/00815
	Date of Sampling	: 25/06/2021
	Analysis start date	: 28/06/2021
	Analysis completion date	: 30/06/2021
Sample Qty: 1kg	Sampling Protocol	: E/WP/77
Name of the Industrial Area: Kittur Industrial Area, Bailahongal Taluk, Belgaum District, Karnataka. (Ext-433.33 A).		
Sample Particulars: One Soil Sample – Near Kittur Village.		

Sl. No.	Test	Result	Protocol
Description: Reddish brown Colored Soil.			
1	pH (20% Suspension)	7.78	Practical Manual for Hands on training GKV Bengaluru
2	Conductivity, μ mhos/cm	153.0	Practical Manual for Hands on training GKV Bengaluru
3	Chloride as Cl, mg/Kg	479.50	Practical Manual for Hands on training GKV Bengaluru
4	Moisture, %	15.21	Practical Manual for Hands on training GKV Bengaluru
5	Organic Matter, %	0.36	Practical Manual for Hands on training GKV Bengaluru
6	Calcium as Ca, mg/Kg	1073.96	Practical Manual for Hands on training GKV Bengaluru
7	Magnesium Mg, mg/Kg	530.4	Practical Manual for Hands on training GKV Bengaluru

Laxesh kumar
30/6/21
Verified by

S. B. S. 30/06/21
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/2021/00815
	Report date	: 30/06/2021
	reference	: Test Request Form
	Sample receipt date	: 28/06/2021
	Job Order No	: RE/2021/00815
	Date of Sampling	: 25/06/2021
	Analysis start date	: 28/06/2021
	Analysis completion date	: 30/06/2021
Sample Qty: 1kg	Sampling Protocol	: E/WP/77
Name of the Industrial Area: Kittur Industrial Area, Bailahongal Taluk, Belgaum District, Karnataka. (Ext-433.33 A).		
Sample Particulars: One Soil Sample - Near Kittur Village.		

Sl. No.	Test	Result	Protocol
8	Colour	Brown	Practical Manual for Hands on training GVKV Bengaluru
9	Sulphur as S, mg/Kg	7.88	Practical Manual for Hands on training GVKV Bengaluru
10	Nitrogen as N, %	0.005	Practical Manual for Hands on training GVKV Bengaluru
11	Phosphorous as P, mg/Kg	6.77	Practical Manual for Hands on training GVKV Bengaluru
12	Potassium as K, mg/Kg	614.02	Practical Manual for Hands on training GVKV Bengaluru
13	Copper as Cu, mg/Kg	15.16	Practical Manual for Hands on training GVKV Bengaluru
14	Chromium as Cr, mg/Kg	7.77	Practical Manual for Hands on training GVKV Bengaluru
15	Zinc as Zn, mg/Kg	37.89	Practical Manual for Hands on training GVKV Bengaluru
16	Lead as Pb, mg/Kg	8.60	Practical Manual for Hands on training GVKV Bengaluru
17	Nickel as Ni, mg/Kg	2.11	Practical Manual for Hands on training GVKV Bengaluru
18	Cadmium as Cd, mg/Kg	<0.1	Practical Manual for Hands on training GVKV Bengaluru

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

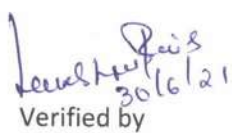

Verified by
30/6/21

Authorized by
30/6/21

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/2021/00816
	Report date	: 30/06/2021
	reference	: Test Request Form
	Sample receipt date	: 28/06/2021
	Job Order No	: RE/2021/00816
	Date of Sampling	: 25/06/2021
	Analysis start date	: 28/06/2021
	Analysis completion date	: 30/06/2021
Sample Qty: 1kg	Sampling Protocol	: E/WP/77
Name of the Industrial Area: Kittur Industrial Area, Bailahongal Taluk, Belgaum District, Karnataka. (Ext-433.33 A).		
Sample Particulars: One Soil Sample – Near Madhanbhavi Village.		

Sl. No.	Test	Result	Protocol
Description: Brown Colored Soil.			
1	pH (20% Suspension)	7.52	Practical Manual for Hands on training GKVK Bengaluru
2	Conductivity, μ mhos/cm	204.0	Practical Manual for Hands on training GKVK Bengaluru
3	Chloride as Cl, mg/Kg	482.93	Practical Manual for Hands on training GKVK Bengaluru
4	Moisture, %	6.34	Practical Manual for Hands on training GKVK Bengaluru
5	Organic Matter, %	0.29	Practical Manual for Hands on training GKVK Bengaluru
6	Calcium as Ca, mg/Kg	653.98	Practical Manual for Hands on training GKVK Bengaluru
7	Magnesium Mg, mg/Kg	392.4	Practical Manual for Hands on training GKVK Bengaluru
<div style="display: flex; justify-content: space-around; 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/2021/00816
	Report date	: 30/06/2021
	reference	: Test Request Form
	Sample receipt date	: 28/06/2021
	Job Order No	: RE/2021/00816
	Date of Sampling	: 25/06/2021
	Analysis start date	: 28/06/2021
	Analysis completion date	: 30/06/2021
Sample Qty: 1kg	Sampling Protocol	: E/WP/77
Name of the Industrial Area: Kittur Industrial Area, Bailahongal Taluk, Belgaum District, Karnataka. (Ext-433.33 A).		
Sample Particulars: One Soil Sample – Near Madhanbhavi Village.		

Sl. No.	Test	Result	Protocol
8	Colour	Brown	Practical Manual for Hands on training GKVK Bengaluru
9	Sulphur as S, mg/Kg	6.13	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	4.68	Practical Manual for Hands on training GKVK Bengaluru
12	Potassium as K, mg/Kg	573.1	Practical Manual for Hands on training GKVK Bengaluru
13	Copper as Cu, mg/Kg	19.90	Practical Manual for Hands on training GKVK Bengaluru
14	Chromium as Cr, mg/Kg	7.12	Practical Manual for Hands on training GKVK Bengaluru
15	Zinc as Zn, mg/Kg	31.73	Practical Manual for Hands on training GKVK Bengaluru
16	Lead as Pb, mg/Kg	14.92	Practical Manual for Hands on training GKVK Bengaluru
17	Nickel as Ni, mg/Kg	1.75	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
30/6/21
Verified by

SAB 30/6/21
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/2021/00817
	Report date	: 30/06/2021
	reference	: Test Request Form
	Sample receipt date	: 28/06/2021
	Job Order No	: RE/2021/00817
	Date of Sampling	: 25/06/2021
	Analysis start date	: 28/06/2021
	Analysis completion date	: 30/06/2021
Sample Qty: 1kg	Sampling Protocol	: E/WP/77
Name of the Industrial Area: Kittur Industrial Area, Bailahongal Taluk, Belgaum District, Karnataka. (Ext-433.33 A).		
Sample Particulars: One Soil Sample – Near Pranatti Halli.		

Sl. No.	Test	Result	Protocol
Description: Reddish brown Colored Soil.			
1	pH (20% Suspension)	7.9	Practical Manual for Hands on training GKVK Bengaluru
2	Conductivity, μ mhos/cm	154.0	Practical Manual for Hands on training GKVK Bengaluru
3	Chloride as Cl, mg/Kg	458.70	Practical Manual for Hands on training GKVK Bengaluru
4	Moisture, %	7.89	Practical Manual for Hands on training GKVK Bengaluru
5	Organic Matter, %	0.25	Practical Manual for Hands on training GKVK Bengaluru
6	Calcium as Ca, mg/Kg	690.64	Practical Manual for Hands on training GKVK Bengaluru
7	Magnesium Mg, mg/Kg	511.2	Practical Manual for Hands on training GKVK Bengaluru
<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p><i>Lakshmi Raj</i> 30/06/21 Verified by</p> </div> <div style="text-align: center;"> <p><i>S. S. S.</i> 30/06/21 Authorized Signatory</p> </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/2021/00817
	Report date	: 30/06/2021
	reference	: Test Request Form
	Sample receipt date	: 28/06/2021
	Job Order No	: RE/2021/00817
	Date of Sampling	: 25/06/2021
	Analysis start date	: 28/06/2021
	Analysis completion date	: 30/06/2021
Sample Qty: 1kg	Sampling Protocol	: E/WP/77
Name of the Industrial Area: Kittur Industrial Area, Bailahongal Taluk, Belgaum District, Karnataka. (Ext-433.33 A).		
Sample Particulars: One Soil Sample - Near Pranatti Halli.		

Sl. No.	Test	Result	Protocol
8	Colour	Brown	Practical Manual for Hands on training GKVK Bengaluru
9	Sulphur as S, mg/Kg	6.49	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	5.48	Practical Manual for Hands on training GKVK Bengaluru
12	Potassium as K, mg/Kg	458.42	Practical Manual for Hands on training GKVK Bengaluru
13	Copper as Cu, mg/Kg	5.63	Practical Manual for Hands on training GKVK Bengaluru
14	Chromium as Cr, mg/Kg	4.78	Practical Manual for Hands on training GKVK Bengaluru
15	Zinc as Zn, mg/Kg	37.37	Practical Manual for Hands on training GKVK Bengaluru
16	Lead as Pb, mg/Kg	14.89	Practical Manual for Hands on training GKVK Bengaluru
17	Nickel as Ni, mg/Kg	1.54	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-----


 Verified by


 Authorized by



Robust
innovative solution for mankind

ROBUST MATERIALS TECHNOLOGY PVT. LTD.

(Recognised by MoEF&CC, DSIR-Government of India & Notified by FSSAI)
(Approved by Drug Control Department-GoK ; Certified by OHSAS-ISO 45001:2018)

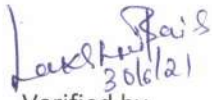

No. 94, 2nd Floor, Thirumala Complex, Nagarabhavi Main Road, NGEF Layout,
Nagarabhavi, Bengaluru - 560 072. Tel : 080 2318 6230

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/2021/00818
	Report date	: 30/06/2021
	reference	: Test Request Form
	Sample receipt date	: 28/06/2021
	Job Order No	: RE/2021/00818
	Date of Sampling	: 25/06/2021
	Analysis start date	: 28/06/2021
	Analysis completion date	: 30/06/2021
Sample Qty: 1kg	Sampling Protocol	: E/WP/77
Name of the Industrial Area: Kittur Industrial Area, Bailahongal Taluk, Belgaum District, Karnataka. (Ext-433.33 A).		
Sample Particulars: One Soil Sample – Near Honnapur Village.		

Sl. No.	Test	Result	Protocol
Description: Brown Colored Soil.			
1	pH (20% Suspension)	7.61	Practical Manual for Hands on training GKVK Bengaluru
2	Conductivity, μ mhos/cm	124.0	Practical Manual for Hands on training GKVK Bengaluru
3	Chloride as Cl, mg/Kg	452.06	Practical Manual for Hands on training GKVK Bengaluru
4	Moisture, %	24.31	Practical Manual for Hands on training GKVK Bengaluru
5	Organic Matter, %	0.11	Practical Manual for Hands on training GKVK Bengaluru
6	Calcium as Ca, mg/Kg	920.54	Practical Manual for Hands on training GKVK Bengaluru
7	Magnesium Mg, mg/Kg	529.2	Practical Manual for Hands on training GKVK Bengaluru
<div style="display: flex; justify-content: space-around; 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/2021/00818
	Report date	: 30/06/2021
	reference	: Test Request Form
	Sample receipt date	: 28/06/2021
	Job Order No	: RE/2021/00818
	Date of Sampling	: 25/06/2021
	Analysis start date	: 28/06/2021
	Analysis completion date	: 30/06/2021
Sample Qty: 1kg	Sampling Protocol	: E/WP/77
Name of the Industrial Area: Kittur Industrial Area, Bailahongal Taluk, Belgaum District, Karnataka. (Ext-433.33 A).		
Sample Particulars: One Soil Sample – Near Honnapur Village.		

Sl. No.	Test	Result	Protocol
8	Colour	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, %	0.010	Practical Manual for Hands on training GKV Bengaluru
11	Phosphorous as P, mg/Kg	5.28	Practical Manual for Hands on training GKV Bengaluru
12	Potassium as K, mg/Kg	548.98	Practical Manual for Hands on training GKV Bengaluru
13	Copper as Cu, mg/Kg	4.84	Practical Manual for Hands on training GKV Bengaluru
14	Chromium as Cr, mg/Kg	10.21	Practical Manual for Hands on training GKV Bengaluru
15	Zinc as Zn, mg/Kg	40.28	Practical Manual for Hands on training GKV Bengaluru
16	Lead as Pb, mg/Kg	10.86	Practical Manual for Hands on training GKV Bengaluru
17	Nickel as Ni, mg/Kg	2.20	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-----

Jeeshu B S
30/6/21
Verified by

S S 30/06/21
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/2021/00819
	Report date	: 30/06/2021
	reference	: Test Request Form
	Sample receipt date	: 28/06/2021
	Job Order No	: RE/2021/00819
	Date of Sampling	: 25/06/2021
	Analysis start date	: 28/06/2021
	Analysis completion date	: 30/06/2021
Sample Qty: 1kg	Sampling Protocol	: E/WP/77
Name of the Industrial Area: Kittur Industrial Area, Bailahongal Taluk, Belgaum District, Karnataka. (Ext-433.33 A).		
Sample Particulars: One Soil Sample – Near Timmapur Village.		

Sl. No.	Test	Result	Protocol
Description: Reddish brown Colored Soil.			
1	pH (20% Suspension)	7.75	Practical Manual for Hands on training GKVK Bengaluru
2	Conductivity, $\mu\text{mhos/cm}$	134.0	Practical Manual for Hands on training GKVK Bengaluru
3	Chloride as Cl, mg/Kg	515.72	Practical Manual for Hands on training GKVK Bengaluru
4	Moisture, %	6.48	Practical Manual for Hands on training GKVK Bengaluru
5	Organic Matter, %	0.33	Practical Manual for Hands on training GKVK Bengaluru
6	Calcium as Ca, mg/Kg	575.39	Practical Manual for Hands on training GKVK Bengaluru
7	Magnesium Mg, mg/Kg	529.2	Practical Manual for Hands on training GKVK Bengaluru
<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p><i>Deekshu Pais</i> 30/6/21 Verified by</p> </div> <div style="text-align: center;"> <p><i>S 0130/06/21</i> Authorized Signatory</p> </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/2021/00819
	Report date	: 30/06/2021
	reference	: Test Request Form
	Sample receipt date	: 28/06/2021
	Job Order No	: RE/2021/00819
	Date of Sampling	: 25/06/2021
	Analysis start date	: 28/06/2021
	Analysis completion date	: 30/06/2021
Sample Qty: 1kg	Sampling Protocol	: E/WP/77
Name of the Industrial Area: Kittur Industrial Area, Bailahongal Taluk, Belgaum District, Karnataka. (Ext-433.33 A).		
Sample Particulars: One Soil Sample - Near Timmapur Village.		

Sl. No.	Test	Result	Protocol
8	Colour	Brown	Practical Manual for Hands on training GKV Bengaluru
9	Sulphur as S, mg/Kg	2.79	Practical Manual for Hands on training GKV Bengaluru
10	Nitrogen as N, %	0.010	Practical Manual for Hands on training GKV Bengaluru
11	Phosphorous as P, mg/Kg	5.35	Practical Manual for Hands on training GKV Bengaluru
12	Potassium as K, mg/Kg	594.41	Practical Manual for Hands on training GKV Bengaluru
13	Copper as Cu, mg/Kg	9.37	Practical Manual for Hands on training GKV Bengaluru
14	Chromium as Cr, mg/Kg	5.19	Practical Manual for Hands on training GKV Bengaluru
15	Zinc as Zn, mg/Kg	30.11	Practical Manual for Hands on training GKV Bengaluru
16	Lead as Pb, mg/Kg	11.76	Practical Manual for Hands on training GKV Bengaluru
17	Nickel as Ni, mg/Kg	2.24	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
30/6/21
Verified by

S 813 30/06/21
Authorized by

Proceeding of the Public Hearing of proposed Development of the Karnataka Industrial Areas Development Board, Kittur-village, Bailhongal Taluk, Belagavi Dist.

Date : 12.05.2015
Time : 11.00 AM
Venue : Shree Veerbhadreshwara Samudaya Bhavan, Opp to Police station, Guruwarpeth, Kittur, Bailhongal Taluk, Belagavi Dist.

Karnataka Industrial Areas Development Board has proposed to develop Kittur industrial area in an area of 175.31 hectare (433.19 Acres) at Kittur-village, Bailhongal Taluk, Belagavi Dist. In view of this the Public Hearing was held on 12.05.2015 at 11.00 AM under the Chairmanship of the Deputy Commissioner and District Magistrate, Belagavi. The Proceedings of the public hearing is as under:

Public Hearing held at : Shree Veerbhadreshwara Samudaya Bhavan, Opp to Police, station, Guruwarpeth, Kittur, Bailhongal Taluk, Belagavi Dist.

Name of the Officers Present : Annexure-1

Representatives/Officers of the Project Present : Annexure-2

Details of Public Participated : Annexure-3

Details of awareness conducted for public hearing : Annexure-4

Reply given by the consultant of the proposed Project : Annexure-5

Preamble: Karnataka Industrial Areas Development Board has proposed to develop Kittur industrial area in an area of 175.31 hectare (433.19 Acres) at Kittur-village, Bailhongal Taluk, Belagavi Dist. As per the Environmental Impact Assessment (EIA) dated: 14-09-2006 (amendment date: 01-12-2009) project proponents needs to obtain environmental clearance certificate from the State Level Environmental Impact Assessment Authority, Karnataka. In view of the above, Karnataka State Pollution Control Board conducted public hearing as per Terms of Reference (TOR) of State Level Expert appraisal committee (SEAC), Karnataka, letter No. KSEAC/MEETING/2013, dated: 06-04-2013 and as per the requisition letter submitted by the project proponent on 20-11-2014.

In this context, Karnataka Industrial Areas Development Board has proposed to develop Kittur industrial area in an area of 175.31 hectare (433.19 Acres) at Kittur-village, Bailhongal Taluk, Belagavi Dist and they have submitted the detailed EIA report along with the Executive Summary pertaining to the proposed project in Kannada and English to the Karnataka State Pollution

Control Board. As per the Environmental Impact Assessment Notification, the Karnataka State Pollution control Board issued paper Notification 30 days in advance so as to inform to the public about conducting the Environment Public Hearing. The advertisement has been given to the state level daily news papers THE TIMES OF INDIA (English) and SAMYUKTHA KARNATAKA (Kannada) on 12-04-2015 and to the VIJAYA KARNATAKA local edition (Kannada). The suggestions/views, comments and objection of the interested bonafide residents, environmental groups and others located at the project site likely to be affected by the proposed project were invited and it is informed in the notification that they can send their suggestions/ views, comments and objection either orally or in written or through email to Karnataka State Pollution Control Board/ Deputy commissioner, Belagavi. Along with this the proponent has advertised the details of conducting public hearing and distributed the pamphlets in surrounding areas of Dombarkoppa and Kittur.

The Environmental public hearing was conducted at Shree Veerbhadreshwara Samudaya Bhavan, Opp to Police station, Guruwarpeth, Kittur, Bailhongal Taluk, Belagavi Dist on 12-05-2015 under the chairmanship of Deputy Commissioner & District Magistrate, Belagavi.

The Environmental Officer, Karnataka State Pollution Control Board, Belagavi-1 has extended warm welcome to N. Jayaram, Deputy Commissioner & District Magistrate and he has also extended the welcome to all officials of the different Departments, representatives of the project, all surrounding villagers, public, media and environmentalists. He briefly explained the need for Environmental clearance from the State Level Environmental Impact Assessment Authority, Karnataka and the Environmental Public Hearing as per EIA Notification and explained the procedure of the Public hearing and about the project documents kept for the Public Hearing at seven different offices.

He informed the participants of the meeting that they shall express their views; share their opinions, suggestions, interpretations & the objections related to the environmental issues without repeating the subject. He requested the Deputy Commissioner and District Magistrate and also the Presiding officer of the Environment Public Hearing to conduct the proceedings. Later informed the representative of the project and their consultants to make the presentation about the Kittur Industrial area development project.

Representatives of Ramky Enviro Engineers Limited, an Environment Consultant for the project, explained about the environmental impacts and mitigation measures recommended for the proposed development of the Kittur Industrial area in an area of 175.31 hectare (433.19 Acres) through power point presentation. The copy of the power point presentation is also enclosed with the proceedings vide Annexure-6.

The Deputy Commissioner & District Magistrate while addressing to the gathering, said that on behalf of the KIADB, Ramky Enviro Engineers Limited have explained about the effects on Environment and control measures proposed in the developmental project. He said to the audience to express their views, suggestions, objections and petitions about the environmental aspects pertaining to the today's public hearing.

The views expressed by the public are as follows:

1. Sri.Madivalappa S Gudagi, Dambarkoppa:-

He expressed that there will be problem to their village (Dambarkoppa) from the proposed Kittur Industrial area development project. Project proponents have proposed to control pollution by installing the 30 m chimneys to the industry. But dust, noise and smell nuisance will affect since, the village is only half KM from the proposed project area. Further, questioned the proponents that people can work in industry by wearing masks but, what are the control measures you have proposed towards protecting the residents of the surrounding villages and asked them to provide the same information.

2. Sri.M Sajid Sayyad, Belagavi:-

He felt that the upcoming project will be very useful because, most of the people from the surrounding villages of the Belagavi and from the Belagavi city are migrating towards the Pune, Mumbai, Bengaluru and Madras in search of jobs. But now the standard industrial area is coming in the Belagavi district. Further, he said that the problems may arise from the proposed project but our Government, district administration and KIADB officers already started the survey and from the current survey they will conquer the possible problems. Since our Deputy Commissioner has already formed the committee to solve the public problems and it will help our district. Proposed project will reduce the situation of working in outside the State and thereby managing the family from outside. It will also reduce the mental pressure of thinking the welfare of the family while working outside the state for 4-5 months. He said educated unemployed can become the owner of the industry if he has been allotted the site in upcoming industrial area and thus will not face the situation of working under others. It will improve the financial status of the Kittur if the industries which produce all variety of the products are established unlike at the industrial area of Belagavi.

3. Sri.Abubukar, Belagavi :-

He expressed that there will be no problems for transportation of the products, electricity connection and for labors since, the proposed area is near to the national highway and exists in between the Hubli-Dharwar and Belagavi. It will help the transportation of products since Goa is nearer to Kittur. He said that the upcoming industrial area will

help the people of Kittur and nearby villages and it needs the cooperation of the surrounding residents, employees and officers to develop the Kittur Industrial area.

4. **Basavaraj Kuppasagoudar- Chairman, Bailahongal-Kittur Kannada Sahitya Parishat :-**

He felt that it's the matter of pleasure as the unemployment problem will be solved due to the establishment of the industrial area at Kittur. He said we are daily listening/reading in the media about the impact on air, water, groundwater, agricultural crops and buildings even though industries adopt the measures to control the environmental pollution. He requested the pollution control board on behalf of the public of this part not to allow industries to harm the historical place, Kittur. He felt that there was lack of public participation since there was improper advertisement. He asked to take measures so as to control the air pollution, noise pollution, effect to agricultural crops and impact on buildings. The farmers those who have given their land to the industrial area should continue the agricultural activities in their remaining land and there will not be any pollutants added to their agricultural lands. He asked to inform where the emission will reach if it is made to disperse at a height of 30 m through chimney. Further, he stated that project proponent should ensure that the effluent released from the industries should not reach the surrounding well, lakes and not to cause harmful effects on the animals, birds and reptiles. Actions should be taken as per the opinions of the public participated here and he requested the Deputy Commissioner, Belagavi to form a committee to conquer the problems expected from the proposed project and the permission should be given to the industrial area only after the inspection of the control measures they have taken as per their report. He said since Kittur is one of the historical place there will be increase in the numbers of tourists hence, project proponent should install the instruments with modern technology to combat the noise, water and air pollution. He asked the project proponent that you have stated to give the masks for the employees of the industry but you should also take care of the surrounding residents and must inform the measures taken. You should implement these measures scientifically rather than showing it on the papers and only after implementations of the measures the industries needs to be established. The information is given about the control measures and felt happy for conducting the public hearing. But, public cooperation will be available only if the developmental activity takes place by taking care of the environment. He concluded his talk by saying that if project proponent has fails to take proper measures then they will protest against the project.

5. Dr. Venkatesh, Kittur:-

He expressed that; development of the industrial area in Kittur is a matter of good opportunity for the unemployed and he accepted the view of Sri.Kuppasagowda and only after taking measures to control air pollution, water pollution and wastes and after giving the solutions to the problems, industries should establish. He also expressed his concern towards the unemployed of the Kittur since they are waiting for the vehicles at highway to travel daily to other cities to reach the working place and some of them died in the accidents also. He requested the KIADB to give preference to the suffered ladies and boys, qualified and unqualified of the local area. The public of the Kittur will make use of the opportunity originated by the development of industrial area. He requested to give preference to the local residents.

6. Sri.Ashok Dhanavade, Yaksamba Village:-

He expressed that, he belongs to the territory of Yaksamba village and felt happy about the upcoming industrial area. He owns the industry at the Autonagar, Belagavi and said that he worked for about 20 years at Pune and Mumbai and he is staying in Belagavi from the past 20 years. Further he quoted that every works will have their merits and demerits. Project proponents are talking about the project in a generalized way but, we don't know about whether a chemical or general engineering industry may establish. Every industry will have separate rules and norms so we need not to worry; if a chemical industry established they will have to obey the rules and norms they bound with. He said that we should ask the government officer is it possible to run an industry by following the rules even after there are problems to the industry. No industry will face any problems if they comply with the rules and regulations. He asked the public to support the project, if any big industries established they will adopt effluent treatment plant. So all of should support.


7. Shree. J B Nayak, Honaga

He expressed that Karnataka Industrial Authority Development Board has proposed to develop Kittur industrial area in an area of 175.31 hectare (433.19 Acres) at Kittur-village, Bailhongal Taluk, Belagavi Dist.Variety of industries will be established in future. Officers of KIADB and KSPCB should take care of pollution from these industries.

Project consultant, M/s.Ramky Enviro Engineers, Hyderabad answering to the questions raised by the public pertaining to the air and noise pollution, said that chimneys will be installed to the industries as per the norms to control the air pollution so that it will disperse at a higher altitude. The waste water will be used for gardening within the industrial premises after treatment to grow trees.

The Deputy Commissioner & District Magistrate addressed to the gathering that public opinion and their views were collected about the proposed project and details of the merits and demerits, pertaining to the development of the Kittur industrial area has been expressed. Experts have studied both the merits and demerits of this project and they have presented the report before you. In the first stage of the project there will be making of the layouts, different industries will come only after allotting the lay-outs. Usually the financial activities will activate due to the industrialization but we cannot rely only on the financial development, we have to know the impact on the environment. Project proponents have studied the control measures that can be implemented so as to control the possible pollution and the effects of pollution on the local people, animals, birds and agricultural lands. As per the reports everything will be under the limits. However, the project proponents have recommended the action about control measures so as to avoid the problems to the people. The control measures will be supervised by the concerned departments once the development of the industrial area occurs. He felt there should not be any sort of effect to the historical place, Kittur. Experts have given their opinion in the report that proposed project will not cause any major harmful effects to the surrounding villages. He expressed that he will consolidate the public opinions and the KIADB report and the consolidated report will be send to the Karnataka State Pollution Control Board and State level environmental impact assessment authority, Karnataka and they will take suitable decision as per the proceedings of the Public hearing and the details submitted by the KIADB in their report. He thanked all the public.

The hearing concluded with vote of thanks.


(N Jayaram I.A.S)
Deputy Commissioner &
District Magistrate &
Environmental Public
Hearing President

Date: 12.05.2015

Public Hearing Proceedings

S.No	Name & Address	Comments & Remarks	Reply given by KIADB	Action Plan
1	Sri. Madivalappa S Gudai, Dombarkoppa	He expressed that there will be problem to their village (Dombarkoppa) from the proposed Kittur Industrial Area development project. Project proponents have proposed to control pollution by installing the 30m chimneys to the industry. But dust, noise and smell nuisance will affect since, the village is only half km from the proposed project area. Further, questioned the proponents that people can work in industry by wearing masks but, what are the control measures you have proposed towards protecting the residents of the surrounding villages and asked them to provide the same information	KIADB will be developing industrial layout with required infrastructure (roads, drainage, water & wastewater treatment, etc.), the proposed project is for orange and green category industries, individual industries will provide necessary control measures as per the requirement related to their activities.	KIADB will insist all industrial units to follow the conditions mentioned in the EC/CFE/CFO for pollution control measures. KIADB will provide 15 m wide greenbelt along the boundary, and individual units will provide greenbelt within their units in setback areas. Overall 33% of the area will be under greenbelt
2	Sri.M.SajidSayyad, Belgavi	He felt that the upcoming project will be very useful because it will reduce migration of educated youth to other places for jobs. Due to establishment of various types of industrial units, the proposed industrial area will develop and locals can become owners of the industrial units	KIADB is proposed the industrial area for all types of orange and green category industries depending upon the demand.	Preference of allotment of industrial plots will be given for local residents, so that their financial status can improve
3	Sri. Abubukar, Belgavi	He expressed that there will be no problems for transportation of the products, electricity connection and for labor since, the proposed area is near to the national highway and exists in between the Hubli- Dharwar and Belgavi. It will help the transportation of products since Goa is nearer to Kittur. He said that the upcoming	The proposed industrial area will be planned as per the existing norms by providing power, water, roads, greenbelt, etc., so that industries can start their units without any hassles	KIADB will take all statutory clearances such as EC, CFE, CFO, before handing over the industrial plots

EIA Report for the Proposed Industrial Area, Kittur Village, Bailhongal Taluk, Belgaum District, Karnataka.

		<p>industrial area will help the people of Kittur and nearby villages and it needs the cooperation of the surrounding residents, employees and officers to develop the Kittur Industrial Area.</p>		
4	<p>Basavaraj Kuppasagoudar- Chairman, Bailhongal- Kittur Kannada SahityaParishat</p>	<p>He said we are daily listening/ reading in the media about the impact on air, water, ground water, agricultural crops and buildings even though industries adopt the measures to control the environmental pollution. He requested the pollution control board on behalf of the public of this part not to allow industries to harm historical place, Kittur.</p> <p>The farmers those who have given their land to the industrial area should continue the agricultural activities in their remaining land and there will not be any pollutants added to their agricultural lands. He asked to inform where the emission will reach if it is made to disperse at a height of 30m through chimney.</p> <p>Further, he stated that project proponent should ensure that the effluent released from the industries should not reach the surrounding well, lakes. Actions should be taken as per the opinions of the public participated here and he requested the Deputy Commissioner, Belgavi to form a committee to conquer the problems expected from the proposed project and the permission should be given to the industrial area only after the inspection of the control measures they have taken as per their report.</p>	<p>Air emissions coming from boiler stacks will be controlled by providing necessary multi cyclone followed by stack height meeting MOEFCC guidelines, whereas DG sets are used only during power failure for emergency needs, to control air emission stack height meeting MOEFCC guidelines and to minimize the noise generation acoustic enclosure will be provided</p> <p>Individual industries will treat the wastewater in their premises to CETP inlet standards, the further treatment will be done at CETP and treated water is reused for greenbelt and other industrial uses and ZERO Discharge concept will be followed.</p> <p>Greenbelt will be developed as per the MOEFCC guidelines (33% of the area), 15m wide along the boundary and in open areas,</p>	<p>KIADB will insist all industrial units to follow the conditions mentioned in the EC/CFE/CFO for pollution control measures.</p> <p>KIADB will provide 15 m wide greenbelt along the boundary, and individual units will provide greenbelt within their units in setback areas. Overall 33% of the area will be under greenbelt</p>

EIA Report for the Proposed Industrial Area, Kittur Village, Bailhongal Taluk, Belgaum District, Karnataka.

5	Dr.Venkatesh, Kittur	He expressed that development of the industrial area in Kittur is a matter of good opportunity for the unemployed and he accepted the view of Sri. Kuppasagowda and only after taking measures to control air pollution, water pollution and wastes and after giving the solutions to the problems, industries should establish. He also expressed his concern towards the unemployed of the kittur since they are waiting for the vehicles at highway to travel daily to other cities to reach the working place and some of them died in the accidents also. He requested the KIADB to give preference to the suffered ladies and boys, qualified and unqualified of the local area. The public of the Kittur will make use of the opportunity originated by the development of industrial area. He requested to give preference to the local residents.	KIADB will advise the industries to give preference in jobs for weaker sections, handicapped persons, widows, and others of local villages.	KIADB and industrial units under CSR activities will provide training to local youth in various skills development.
6	Sri. Ashok Dhanavade, Yaksamba Village	He expressed that, he belongs to the territory of Yaksamba village and felt happy about the upcoming industrial area. He owns the industry at the Autonagar, Belgavi and said that he worked for about 20 years at Pune and Mumbai and he is staying in Belgavi from the past 20 years. Further he quoted that every works will have their merits and demerits. Project proponents are talking about the project in generalized way but, we don't know whether a chemical or general engineering industry may establish. Every industry will have separate rules and norms so we need not to worry, if a chemical industry established they will have to obey the rules and norms they bound with. He said that	All industrial units will take up necessary permissions from state pollution control board giving the details of the products being manufactured, process details, pollution loads and pollution control measures.	KIADB and industries will abide with EC, CFE, CFO conditions, and will submit the compliance reports to PCB and regional MOEFCC at regular intervals

EIA Report for the Proposed Industrial Area, Kittur Village, Bailhongal Taluk, Belgaum District, Karnataka.

		we should ask the government officer is it possible to run an industry by following the rules even after there are problems to the industry. No industry will face any problems if they comply with the rules and regulations. He asked the public to support the project, if any big industries established they will adopt effluent treatment plant. So all of should support.		
7	Shree.JBNayak, Honaga	He expressed that Karnataka Industrial Authority Development Board has proposed to develop Kittur industrial area in an area of 175.31 Ha (433.19 Acres) at Kittur village, Bailhongal Taluk, Belgavi Dist. Variety of industries will be established in future. Officers of KIADB and KSPCB should take care of pollution from these industries.	Officials of KIADB and regional office of State Pollution Control Board will be inspecting the industrial units as per the norms and will see that all industrial units abide the conditions of EC, CFE & CFO.	KIADB and industries will abide with EC, CFE, CFO conditions, and will submit the compliance reports to PCB and regional MOEFCC at regular intervals

Public Hearing Photographs



EIA Report for the Proposed Industrial Area, Kittur Village, Bailhongal Taluk, Belgaum District, Karnataka.

