

# KARNATAKA INDUSTRIAL AREAS DEVELOPMENT BOARD

(A Government of Karnataka Undertaking)

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

Date: 13/08/2021

To,

**The Ministry of Environment, Forest & Climate Change (MoEF&CC)**

Regional Office (Southern Zone), Kendriya Sadan,

4th floor, F-Wing, 17th main road, II block,

Koramangala, Bengaluru- 560 034.

Sir,

**Subject:** Submission of Half yearly point wise Environmental Compliance report for all the conditions stipulated in the Environmental Clearance issued with respect to Establishment of Sompura Industrial Area , 1st stage (Dobaspet 3rd phase) & 2nd stage, KIADB of Sompura Hobli, Nelamangala Taluk, Bangalore Rural District, Karnataka to an extent of 1358.5 Acres.

- Ref.:**
1. ToR issued by MoEF & CC on 09<sup>th</sup> September 2009.
  2. Environmental Public Hearing held on 09<sup>th</sup> January 2012.
  3. Environmental Clearance reference no.: F.No. 21-26/ 2009- I.A.III dated 10th January 2013.
  4. General Condition imposed in the Environmental Clearance for submission of Half yearly Compliance @ Condition No. 1.

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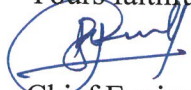
With reference to above subject, it is to be informed that MoEF&CC has issued Environmental Clearance for Establishment of Sompura Industrial Area, 1st stage (Dobaspet 3rd phase) & 2nd stage, KIADB of Sompura Hobli, Nelamangala Taluk, Bangalore Rural District, Karnataka to an extent of 1358.5 Acres, after finalizing the ToR granted dated 09th September 2009 and after conducting the public hearing on 09th January 2012.

In the said Environmental Clearance at the General Condition No. 1, it is stipulated that KIADB has to submit half yearly compliance report to all the conditions stipulated in the EC issued on 10th January 2013.

Hence, the detailed point wise compliance report to all the conditions stipulated in the Environmental Clearance issued to Sompura Industrial Area, 1st stage (Dobaspet 3rd phase) & 2nd stage is being submitted to MoEF&CC 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 Sompura Industrial Area , 1st stage (Dobaspet 3rd phase) & 2nd stage at Beeragondanahalli, Hosahalli & Makanakuppe of Thyamagondlu Hobli and Laxmanapura, Pemmanahalli, Nidavanda & Bharthipura Villages of Sompura Hobli, Nelamangala Taluk, Bangalore Rural 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.

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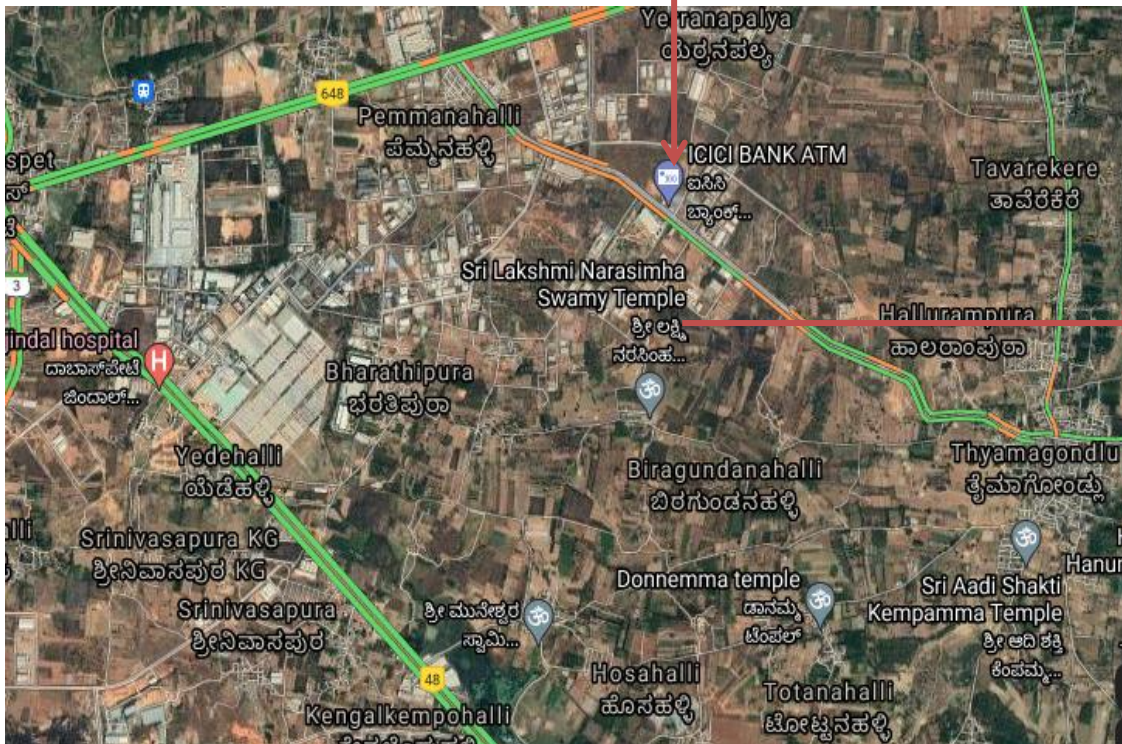
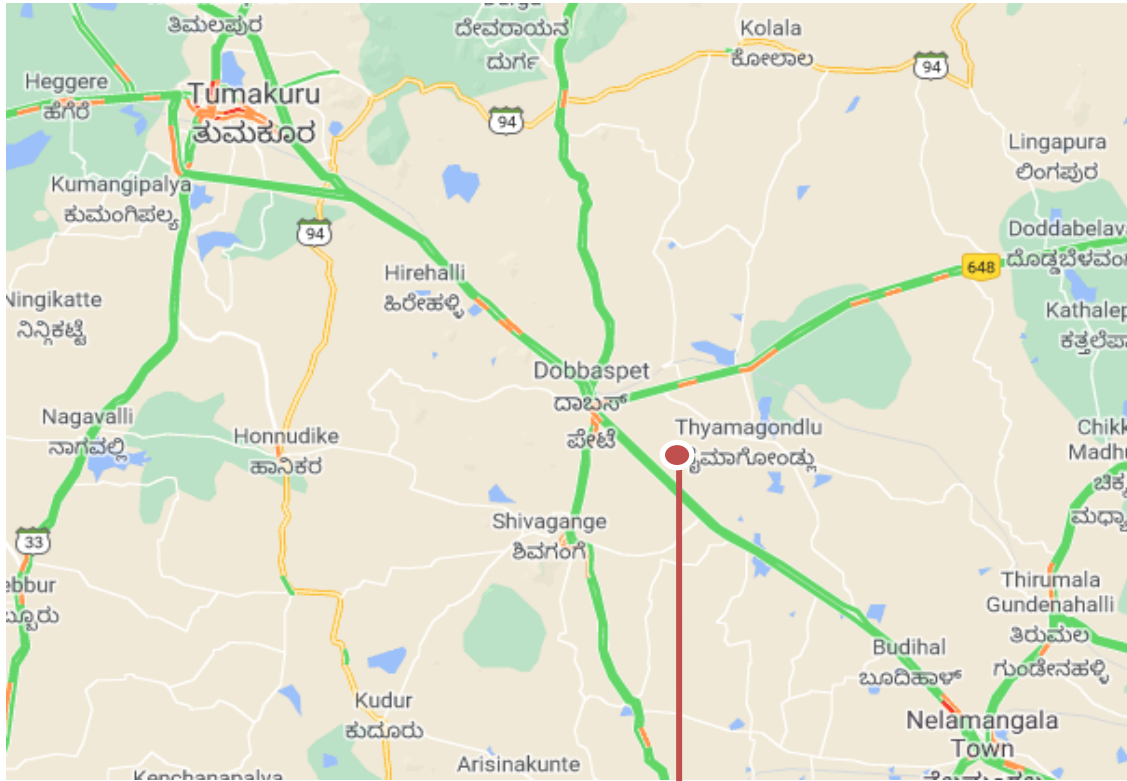
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## **1.0. PROJECT DETAILS:**

- 1) Name of the Project:** Development of Sompura Industrial Area , 1st stage (Dobaspet 3rd phase) & 2nd stage at Beeragondanahalli, Hosahalli & Makanakuppe of Thyamagondlu Hobli and Laxmanapura, Pemmanahalli, Nidavanda & Bharthipura Villages of Sompura Hobli, Nelamangala Taluk, Bangalore Rural District, Karnataka .
- 2) Environmental Clearance reference no.:** F.No. 21-26/ 2009- I.A.III dated 10<sup>th</sup> January 2013.
- 3) Total Plot Area:** 550 Ha (1359.08 Acres).
- 4) ToR issued:** Issued by MoEF & CC on 09th September 2009.
- 5) Public hearing:** Public Hearing held on 09th January 2012.
- 6) Category of Industries:** Red, Orange and Green category.
- 7) Total Water requirement for the Industrial area:** 5 MLD (Domestic requirement: 3,520 KLD + Industrial requirement: 800 KLD).
- 8) Total Power Requirement:** 15.3 MVA.
- 9) Project Cost:** Rs. 106.84 Crores.
- 10) Schedule & Category:** 7 (C) & A category.
- 11) Address of the Correspondence:**

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

2.0. LOCATION MAP:



"Sompura Industrial Area, 1st and 2nd stage."

Fig.1: Map showing Sompura Industrial Area, 1st and 2nd stage.

**3.0. Half Yearly Environmental Compliance Report for all the Conditions Stipulated in the Environmental Clearance issued with respect to Development of Sompura Industrial Area , 1st stage (Dobaspet 3rd phase) & 2nd stage at Beeragondanahalli, Hosahalli & Makanakuppe of Thyamagondlu Hobli and Laxmanapura, Pemmanahalli, Nidavanda & Bharthipura Villages of Sompura Hobli, Nelamangala Taluk, Bangalore Rural District, Karnataka. (Ext- 1358.5 Acres).**

Sl. No.	CONDITIONS STIPULATED IN THE EC	COMPLIANCE STATUS
<b>A</b>	<b>SPECIFIC CONDITIONS</b>	
<b>I</b>	<b>Construction Phase</b>	
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 Ministry, 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, have been obtained on 20 <sup>th</sup> October 2012 for 1 <sup>st</sup> stage & on 12 <sup>th</sup> March 2013 for 2 <sup>nd</sup> Stage. Copy has been submitted to MoEF&CC, Regional Office, Bangalore.
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.	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	Sewage shall be treated and the treated sewage shall be used in dual plumbing system/ cooling makeup/ greenbelt etc. The disposal of the treated water shall conform the regulation of State Pollution Control Board.	Noted and Industries operating in the area will be informed to provide dual plumbing system wherever possible for efficient use of water.
4	There shall be no disposal of solid and liquid wastes on the surrounding areas. Solid waste Management shall be as per Municipal Solid (Management and Handling) Rules, 2000.	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.

5	Proposals for storm water drainage shall be worked out after analyzing the contour levels of the site and the surrounding area and the carrying capacity of storm water drains and their outfall.	Noted. Competent and qualified personal will be designated to carry out the design of storm water drainage systems and layout plans after analysing the contour levels and the surrounding area..
6	A First Aid room should be provided in the project both during construction and operation of the project.	Noted.
7	Provision shall be made for the housing of construction labourers within the site with all necessary infrastructures and facilities such as fuel for cooling, mobile toilets, mobile STP, safe drinking water, medical healthcare, crèche etc. The housing maybe in the form of temporary structures to be removed after the completion of the project.	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.
8	All the topsoil excavated during the construction activities should be stored for horticulture/ landscape development within the project site.	Complied. The topsoil excavated will be used for landscaping, levelling and plantation purposes in the project site.
9	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.
10	Soil and ground water samples should be tested to ascertain that there is no threat to ground water quality by leaching of heavy metals and or other toxic contaminants.	Noted. All necessary precautions will be taken to ensure that there is no contamination of soil and ground water.
11	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.
12	Any hazardous waste generated during construction phase, should be disposed off as per applicable rules and norms with necessary approvals of the Karnataka State Pollution Control Board.	Agreed. Necessary approvals from the competent authority will obtained for the safe disposal of generated hazardous waste as per the applicable rules and regulations.



13	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.
14	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.
15	Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate 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.
16	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 should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/ KSPCB.	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.
17	Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003.	Noted. As far as possible Fly ash should be used as building material during the construction phase. The individual Industrial units will be directed to strictly follow the provisions of Fly ash notification and use the fly ash products for building and construction purposes.
18	Ready mixed concrete must be used in building construction.	Noted.

19	Storm water control and its re-use as per CGWB and BIS standards for various applications.	Noted.
20	Water demand during construction should be reduced by use of premixed concrete, curing agents and other best practices referred.	Noted.
21	Permission to draw ground water shall be obtained from the competent Authority prior to construction/operation of the project.	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.
22	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.
23	Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control.	Noted and complied. To reduce the water consumption & wastewater generation, latest technologies are installed for efficient and limited use of water wherever possible. Industries will also be directed to conserve the water resource by adopting the same.
24	Use of glass may be reduced by up-to 40% to reduce the electricity consumption and load on-air conditioning. If necessary, use high quality double glass with special reflective coating in windows.	Noted and adapted wherever applicable. Industries are also advised to do the same.
25	Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfil requirement.	Noted and during the operation phase, Individual industries will adopt wherever possible as per ECBC, 2007 and its amendments.
26	Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code which is proposed to be mandatory for all air-conditioned spaces while it is aspirational for non-air-conditioned spaces by use of appropriate thermal insulation material to fulfil requirement.	Noted and during the operation phase, individual industries will be informed to adopt wherever possible.
27	The approval of the competent authority shall be obtained for structural safety of the buildings due to earthquake, adequacy of fire fighting equipment's, etc. as per National Building Code including protection measures from lightening etc.	Noted and the same will be informed to the industries before allotment of the plots.

28	Regular supervision of the above and other measures for monitoring should be in place all through the construction phase, so as to avoid disturbance to the surroundings.	Complied. Regular supervision will be done to ensure that there was no disturbance to the surroundings during the construction phase
29	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.	Noted. No such actions will be taken without the prior approval..
<b>II</b>	<b>Operation Phase</b>	
1	The installation of the Sewage Treatment Plant (STP) should be certified by an independent expert and a report in this regard should be submitted to the Ministry before the project is commissioned for operation. Treated effluent emanating from STP shall be recycled reused to the maximum extent possible. Treatment of 100% grey water by decentralized treatment should be done. Discharge of unused treated affluent shall conform to the norms and standards of the Karnataka State Pollution Control Board. Necessary measures should be made to mitigate the odour problem from STP.	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.
2	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.

3	<p>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,</p>	<p>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.</p>
4	<p>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.</p>	<p>Noted. Each individual industry will be informed to maintain the noise levels as per the CPCB/KSPCB norms.</p>
5	<p>The green belt of 15 meter width arid density preferably with local species along the periphery of the plot shall be raised so as to provide protection against particulates and noise. Separate Green belt shall be provided for the chemical block.</p>	<p>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.</p>
6	<p>Weep holes in the compound walls shall be provided to ensure natural drainage of rain water in the catchment area during the monsoon period.</p>	<p>Noted and weep holes will be provided as suggested. Individual industries are advised to do the same.</p>
7	<p>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.</p>	<p>Noted. The project area and the industries proposed to operate within the area will be informed to provide with rain water harvesting systems and the industries will be advised to adapt pre-treatment facility as per the guidelines set by KSPCB/CPCB. The rainwater recharge well of sufficient capacity will be dug as per the guidelines.</p>

8	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.
9	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 width of 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.
10	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 Ministry in three month's time.	Noted.
11	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.
12	Adequate measures should be taken to prevent odour problem from solid waste processing plant and STP.	Noted and will be followed. Necessary steps will be taken to prevent odour problem. Individual industries will also be informed to do the same.
13	The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.	Noted. All construction and hazardous waste generated during the construction phase will be stored in safe and secure manner and disposed carefully, to prevent contamination of water environment. Individual Industrial units will also be advised to follow the same.

<b>B</b>	<b>GENERAL CONIDITIONS:</b>	
1	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective, Regional Office of MoEF, the respective Zonal Office of and the KSPCB.	Noted and will be complied.
2	Officials from the Regional Office of MOEF, Bengaluru 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 should be forwarded to the CCF, Regional office of MOEF, Bengaluru.	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.
3	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Ministry.	Noted. Any changes in the project approved, will be made as a fresh appraisal in front of the Competent Authority.
4	The Ministry 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 Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.	Noted.
5	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 will be strictly informed to do the same before starting any kind of activities.
6	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.

7	<p>The project proponent should advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded Environmental Clearance and copies of clearance letters are available with the Karnataka Pollution Control Board and may also be seen on the website of the Ministry of Environment and Forests at <a href="http://www.envfor.nic.in">http://www.envfor.nic.in</a>. The advertisement should be made within 10 days from the date of receipt of the Clearance letter and a copy of the same should be forwarded to the Regional office of this Ministry at Bengaluru.</p>	<p>Noted and complied.</p>
8	<p>This clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation v/s. Union of India in Writ Petition (Civil) No.460-of 2004 as may be applicable to this project.</p>	<p>Noted.</p>
9	<p>A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parisad/ Municipal Corporation, Urban -Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.</p>	<p>Noted and followed.</p>
10	<p>The proponent shall upload the status of compliance - of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO<sub>2</sub>, NO<sub>x</sub> (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.</p>	<p>Noted and will be complied.</p>
11	<p>The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.</p>	<p>Noted and will be complied.</p>

#### **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 (SO<sub>2</sub>) and Nitrogen Dioxide (NO<sub>2</sub>) 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<sub>x</sub> and NO<sub>x</sub>:

<b>Sl. No.</b>	<b>Parameters</b>	<b>Limits (As Per NAAQS) for 24hrs</b>	<b>Minimum Value</b>	<b>Maximum Value</b>	<b>Average Value</b>
1	Particulate Matter PM <sub>10</sub> , µg/m <sup>3</sup>	100	59.6	66.1	63.0
2	Particulate Matter PM <sub>2.5</sub> , µg/m <sup>3</sup>	60	21.5	25.8	23.8
3	Nitrogen Dioxide NO <sub>2</sub> , µg/m <sup>3</sup>	80	16.9	23.4	20.2
4	Sulphur dioxide as SO <sub>2</sub> , µg/m <sup>3</sup>	80	8.3	14.6	11.2

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	Near Beeragondanahalli Village	54.3	44.6	55	45
2	Near Laxmanapura Village	52.5	42.4	55	45
3	Near Pemmanahalli Village	54.2	44.8	55	45
4	Near Niduvanda Village	53.9	43.7	75	70
5	Near Hosahalli Village	52.3	42.4	75	70
6	Near Bharatipura Village	54.0	43.9	55	45
7	Near Maddenahalli Village	54.5	41.6	55	45
8	Near Thyamagondlu Village	53.6	42.9	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	7.3	8.3	7.8
4	Turbidity, NTU	0	11.3	3.4
5	Chloride as Cl, mg/L	83.9	126.3	107.9
6	Total hardness as CaCO <sub>3</sub> , mg/L	10.3	549.6	264.6
7	Calcium as Ca, mg/L	18.3	80.0	43.9
8	Magnesium as Mg, mg/L	2.2	122.5	41.8
9	Total dissolved Solids, mg/L	80	666	284.8
10	Sulphate as SO <sub>4</sub> , mg/L	1.23	41.6	21.4
11	Nitrate as NO <sub>3</sub> , mg/L	0.6	8.6	4.5
12	Fluoride as F, mg/L	0.2	1.1	0.6
13	Iron as Fe, mg/L	0.07	0.75	0.4
14	Lead as Pb, mg/L	BDL	BDL	BDL
15	Copper as Cu, mg/L	BDL	BDL	BDL
16	Zinc as Zn, mg/L	0.09	1.55	0.82
17	Chromium as Cr, mg/L	BDL	BDL	BDL
18	Dissolved oxygen, mg/L	2.36	3.34	2.94

**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)	6.76	7.49	7.1
2	Conductivity, $\mu$ mhos/cm	48	121	86.0
3	Chloride as Cl, mg/Kg	347.9	896.7	576.0
4	Moisture, %	2.9	9.1	5.4
5	Organic Matter, %	0.16	0.4	0.3
6	Calcium as Ca, mg/Kg	18.5	519.9	81.7
7	Magnesium Mg, mg/Kg	29.2	540	228.1
8	Colour	Brown	Brown	Brown
9	Sulphur as S, mg/Kg	4.3	17.8	8.7
10	Nitrogen as N, %	0.004	0.008	0.006
11	Phosphorous as P, mg/Kg	1.4	9.7	3.3
12	Potassium as K, mg/Kg	74.7	591.4	226.8
13	Copper as Cu, mg/Kg	8.05	51.7	17.7
14	Chromium as Cr, mg/Kg	3.68	37.8	13.3
15	Zinc as Zn, mg/Kg	16.8	39.5	24.7
16	Lead as Pb, mg/Kg	4.2	17.5	10.5
17	Nickel as Ni, mg/Kg	4.9	23.9	9.5
18	Cadmium as Cd, mg/Kg	<0.1	<0.1	<0.1



F.No. 21-26/2009-IA.III  
Government of India  
Ministry of Environment & Forests  
(IA.III Division)

Paryavaran Bhawan,  
CGO Complex, Lodhi Road,  
New Delhi-110 003.

Dated: 10<sup>th</sup> January, 2013

To  
M/s. Karnataka Industrial Area Development Board,  
4/3, 2<sup>nd</sup> Floor, Ratrothanaparishat Building,  
Nrupathunga Road, Bangaluru - 560 001.  
Karnataka

Subject: Environmental Clearance for establishment of Industrial estate at Sompura, Karnataka by M/s. Karnataka Industrial Area Development Board - Reg.

50/90/12  
23/5  
Sir  
This has reference to your application No. Nil dated Nil and subsequent letters dated 29.05.2012 and 09.08.2012 seeking prior Environmental Clearance for the above project under the EIA Notification, 2006. The proposal has been appraised as per prescribed procedure in the lights of provisions under the EIA Notification, 2006 on the basis of the mandatory documents enclosed with the application viz., the Form-1 & 1A, Conceptual Plans and the additional clarifications furnished in response to the observations of the Expert Appraisal Committee constituted by the competent authority in its meetings held on 16<sup>th</sup> - 17<sup>th</sup> April, 2012, 9<sup>th</sup> - 10<sup>th</sup> July, 2012 and 16<sup>th</sup> - 17<sup>th</sup> August, 2012 and recommended environmental clearance for the project.

2. It is, interalia, noted that the project involves development of Industrial Park on a plot area of 550 ha. Out of which 137.65 ha is for residential and social infrastructure purpose. The total water requirement is 5 MLD (domestic requirement-3520 KLD + industrial requirement-800 KLD). The solid waste generation will be 15.5 T/day. The power requirement is 15.3 MVA. The total truck terminal handling is about 300-400 vehicles and a total land of 2,05,494 Sq.m is provided for traffic. The total cost of the project is about Rs. 106.84 Crores.

3. The project was examined by the EAC in its 75<sup>th</sup> meeting held on 6<sup>th</sup> - 7<sup>th</sup> October, 2009 and finalized the ToR for further study including conduct of Public Hearing. The ToR was issued on 09.09.2009. Public Hearing was conducted on 09.01.2012 at Niduvanda Colony, Sompura Hobli, Nelamangla Taluk, Bangalore Rural District.

3. The Expert Appraisal Committee, after due consideration of the relevant documents submitted by the project proponent have recommended for the grant of Environmental Clearance for the project mentioned above,

1  
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Accordingly, the Ministry hereby accord necessary Environmental Clearance for the above project as per the provisions of Environmental Impact Assessment Notification – 2006 and its subsequent amendments, subject to strict compliance of the terms and conditions as follows:

## **PART A – SPECIFIC CONDITIONS**

### **I. Construction Phase**

- (i) "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 Ministry before start of any construction work at the site.
- (ii) An Environmental 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.
- (iii) Sewage shall be treated and the treated sewage shall be used in dual plumbing system/cooling makeup/green belt etc. The disposal of treated water shall conform the regulation of State Pollution Control Board.
- (iv) There shall be no disposal of solid or liquid wastes on the surrounding areas. Solid waste Management shall be as per Municipal Solid (Management and Handling) Rules, 2000.
- (v) Proposals for storm water drainage shall be worked out after analyzing the contour levels of the site and the surrounding area and the carrying capacity of storm water drains and their outfall.
- (vi) Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- (vii) A First Aid Room will be provided in the project both during construction and operation of the project.
- (viii) All the topsoil excavated during construction activities should be stored for use in horticulture/landscape development within the project site.
- (ix) Disposal of muck 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.



- (x) Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants.
- (xi) 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.
- (xii) Any hazardous waste generated during construction phase, should be disposed off as per applicable rules and norms with necessary approvals of the Karnataka State Pollution Control Board.
- (xiii) 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.
- (xiv) 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.
- (xv) Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.
- (xvi) 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 should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/ KSPCB.
- (xvii) 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 27<sup>th</sup> August, 2003.
- (xviii) Ready mixed concrete must be used in building construction.
- (xix) Storm water control and its re-use as per CGWB and BIS standards for various applications.
- (xx) Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- (xxi) Permission to draw ground water shall be obtained from the competent Authority prior to construction/operation of the project.
- (xxii) Separation of grey and black water should be done by the use of dual plumbing line for separation of grey and black water.

- (xxiii) Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control.
- (xxiv) Use of glass may be reduced by up-to 40% to reduce the electricity consumption and load on air-conditioning. If necessary, use high quality double glass with special reflective coating in windows.
- (xxv) Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.
- (xxvi) Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code which is proposed to be mandatory for all air-conditioned spaces while it is aspirational for non-airconditioned spaces by use of appropriate thermal insulation material to fulfill requirement.
- (xxvii) The approval of the competent authority shall be obtained for structural safety of the buildings due to earthquake, adequacy of fire fighting equipments, etc. as per National Building Code including protection measures from lightening etc.
- (xxviii) Regular supervision of the above and other measures for monitoring should be in place all through the construction phase, so as to avoid disturbance to the surroundings.
- (xxix) 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.

## **II. Operation Phase**

- i) The installation of the Sewage Treatment Plant (STP) should be certified by an independent expert and a report in this regard should be submitted to the Ministry before the project is commissioned for operation. Treated affluent emanating from STP shall be recycled/ reused to the maximum extent possible. Treatment of 100% grey water by decentralized treatment should be done. Discharge of unused treated affluent shall conform to the norms and standards of the Karnataka State Pollution Control Board. Necessary measures should be made to mitigate the odour problem from STP.
- ii) 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.

- iii) 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.
- iv) 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.
- v) The green belt of 15 meter width and density preferably with local species along the periphery of the plot shall be raised so as to provide protection against particulates and noise. Separate Green belt shall be provided for the chemical block.
- vi) Weep holes in the compound walls shall be provided to ensure natural drainage of rain water in the catchment area during the monsoon period.
- vii) 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.
- viii) The ground water level and its quality should be monitored regularly in consultation with Central Ground Water Authority.
- ix) 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.
- x) 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 Ministry in three months time.
- xi) 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.



- xii) Adequate measures should be taken to prevent odour problem from solid waste processing plant and STP.
- xiii) The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.

#### **PART - B. GENERAL CONDITIONS**

- i) The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the KSPCB.
4. Officials from the Regional Office of MOEF, Bangaluru 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 should be forwarded to the CCF, Regional office of MOEF, Bangaluru.
  5. In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Ministry.
  6. The Ministry 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 Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.
  7. 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.
  8. 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.
  9. The project proponent should advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded Environmental Clearance and copies of clearance letters are available with the Karnataka Pollution Control Board and may also be seen on the website of the Ministry of Environment and Forests at <http://www.envfor.nic.in>. The advertisement should be made within 10 days from the date of receipt of the Clearance letter and a copy of the same should be forwarded to the Regional office of this Ministry at Bangaluru.

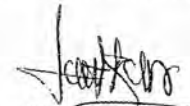
10. This clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation v/s. Union of India in Writ Petition (Civil) No.460 of 2004 as may be applicable to this project.

11. A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parisad/Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.

12. The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO<sub>2</sub>, NO<sub>x</sub> (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.

13. The environmental statement for each financial year ending 31<sup>st</sup> March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.

**Yours faithfully,**



**(Lalit Kapur)**  
**Director (IA.III)**

Copy to:

- (1) The Secretary, Department of Environment, Government of Karnataka, Bangaluru, Karnataka.
- (2) The Member Secretary, Karnataka State Pollution Control Board, Paryavaran Parisar, 4<sup>th</sup> & 5<sup>th</sup> Floor, # 49, Church Street, Bangaluru - 560001
- (3) The CCF, Regional Office, Ministry of Environment & Forests(SZ), Kendriya Sadan, IVth floor, E&F wings, 17<sup>th</sup> Main Road, Koramangala II Block, Bangaluru - 560 034.
- (4) IA - Division, Monitoring Cell, MOEF, New Delhi - 110003.
- (5) Guard file.

**(Lalit Kapur)**  
**Director (IA.III)**



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**Karnataka State Pollution Control Board**

"ಪರಿಸರಭವನ", 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

KIADB-430 Sompura 2<sup>nd</sup> Stage

/ BY REGD. POST WITH ACK. DUE /

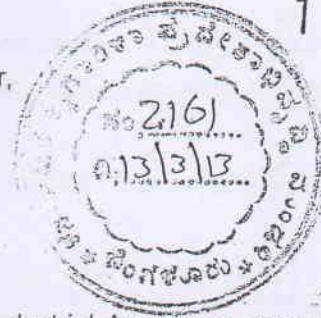
(This document contains 02 pages including Annexures)

NO. PCB/341/CNP/10/ H1733

Dated:

12 MAR 2013

To  
The Development Officer-III & Executive Engineer,  
Karnataka Industrial Area Development Board,  
KIADB Zonal Office,  
Arvind Bhavan, 1<sup>st</sup> Floor, N.T. Road,  
**Bangalore - 560 001.**



DDO-II/AE  
Pl. note & take  
13

Sir,

Sub: Consent for establishment to develop an Industrial Area in an area of 530 Acres at Sompura Industrial Area 2<sup>nd</sup> Stage in various Sy. Nos. (as per Annexure-I) of Beeragondanahalli, Hosahalli & Mankanakuppe Villages of Thyamagondlu Hobli and Laxmanapura, Pemmanahalli, Niduvanda & Bharathipura Village of Sompura Hobli, Nelamangala Taluk, Bangalore Rural District by M/s. Karnataka Industrial Area Development Board.

AE) 14/

- Ref: 1. CFE issued by the Board vide No. PCB/341/CNP/10/H-1359 dated 11.01.2013.  
2. Project proponent letter dated 17.01.2013.  
3. Regional Officer, Nelamangala letter vide No. 613 dated 08.02.2013.  
4. E.C. dated 10.01.2013 issued by Ministry of Environment and Forests.

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**Preamble:**

The Board vide ref.(1) has issued consent for establishment to M/s. Karnataka Industrial Area Development Board, to develop an Industrial Area in an area of 430 Acres 06 Guntas at Sompura Industrial Area 2<sup>nd</sup> Stage in various Sy. Nos. (as per Annexure-I) of Beeragondanahalli, Hosahalli & Mankanakuppe Villages of Thyamagondlu Hobli and Laxmanapura, Pemmanahalli, Niduvanda & Bharathipura Village of Sompura Hobli, Nelamangala Taluk, Bangalore Rural District as per the Regional Officer recommendation. Further the proponent has obtained E.C. for area of 550 Ha. From Ministry of Environment and Forests vide dated 10.01.2013.

*A. Udaya Kumar*  
Senior Environmental Officer (I/c)

Now, the project proponent vide ref. (2), has requested to amend the CFE at ref. (2) for an extent of land is 530 Acres instead of 430 Acres, 06 Guntas for which Notification is issued and layout plan is drawn. Considering the request, following addendum is issued to CFE cited at ref. (1).

**ADDENDUM**

In the consent for establishment issued vide ref. (1), the extent of land mentioned as 430 Acres 06 Guntas shall be replaced and read as 530 Acres.

All other terms and conditions remain same and unaltered.

The receipt of this letter may please be acknowledged

For and on behalf of  
Karnataka State Pollution Control Board

*A. Udaya Kumar*  
Senior Environmental Officer (I/c)



ಕರ್ನಾಟಕ ರಾಜ್ಯ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿ  
Karnataka State Pollution Control Board

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

KIADB-430 Sompura 2<sup>nd</sup> Stage

/ BY REGD. POST WITH ACK. DUE /

(This document contains 06 pages including Annexures)

NO. PCB/341/CNP/10/ H1359

Dated: 11 JAN 2013

To  
The Development Officer-III & Executive Engineer,  
Karnataka Industrial Area Development Board,  
KIADB Zonal Office,  
Arvind Bhavan, 1<sup>st</sup> Floor, N.T. Road,  
Bangalore - 560 001.

Sir,

Sub: Consent for establishment to develop an Industrial Area in an area of 430 Acres 06 Guntas at Sompura Industrial Area 2<sup>nd</sup> Stage in various Sy. Nos. (as per Annexure-I) of Beeragondanahalli, Hosahalli & Makanakuppe Villages of Thyamagondlu Hobli and Laxmanapura, Pemmanahalli, Niduvanda & Bharathipoura Village of Sompura Hobli, Nelamangala Taluk, Bangalore Rural District by M/s. Karnataka Industrial Area Development Board.

- Ref: 1. CFE applications received at Regional Office, KSPCB, Nelamangala on 18.10.2012.  
2. Inspection of the proposed project site by Officer of the Regional Office, KSPCB, Nelamangala on 08.11.2012.  
3. Proceedings of the consent committee meeting held on 22.12.2012.

ಬಿಬಿಬಿಬಿ

With reference to the above, it is to be informed that this Board hereby accords Consent for Establishment under the Water (Prevention & Control of Pollution) Act 1974 to develop an Industrial Area in an area of 430 Acres 06 Guntas at Sompura Industrial Area 2<sup>nd</sup> Stage in various Sy. Nos. (as per Annexure-I) of Beeragondanahalli, Hosahalli & Makanakuppe Villages of Thyamagondlu Hobli and Laxmanapura, Pemmanahalli, Niduvanda & Bharathipoura Village of Sompura Hobli, Nelamangala Taluk, Bangalore Rural District by M/s. Karnataka Industrial Area Development Board, subject to the following conditions.

I. T.G. HALLI CATCHMENT AREA REGULATION:

1. This CFE is issued without prejudice to any court cases pending in any Hon'ble Court.
2. The KIADB authorities shall strictly follow T.G. Halli catchment Area Regulation Notification issued by Government of Karnataka on 18.11.2003.

A. Uday Kumar  
Senior Environmental Officer (I/c)



DDO-II/AE  
Pl. verify &  
take na.

15/11/13

pl discuss

AE) 16/

3. As the Sy. Nos. 35/1, 2A, 2B, 2C, 3, 4A, 4B & 35/5 of Makanakuppe and Sy. Nos. 129/2P3 of Niduvanda are coming in Zone-III of T.G. Halli catchment Area Regulation Notification dated 18.11.2003, no industrial activities or any other activities in contrary to the said notification shall be taken up.
4. The KIADB authorities shall strictly follow T.G. Halli catchment area Notification dated 18.11.2003 in allotment.
5. The Sy. Nos. given in Annexure-I is as furnished by the KIADB authorities and they shall ensure the same in compliance to T.G. Halli in respect of Zonal regulation in allotment of Plots.
6. Individual units allotted shall obtain separate CFE and CFO from the Board.
7. As the proposed area comes under T.G.Halli reservoir catchment area the applicant shall strictly follow the below directions issued by the Government of Karnataka on T.G. Halli reservoir catchment area vide Notification dated 18.11.2003.
  - a) Over exploitation of ground water shall not be made.
  - b) Solid and liquid waste shall be disposed scientifically.
  - c) Rain water harvesting systems shall be adopted.
  - d) Organic farming including bio-fertilizer and bio-pesticide shall be promoted.

**II. Environmental Aspects and Management during the course of construction:**

- a) The applicant shall arrange services like housing facility, water supply, sewage facilities on a temporary basis at construction site and same shall be maintained without any adverse impact on the environment.
- b) The applicant shall control the movement of vehicles carrying construction materials in order to avoid noise pollution in the surrounding.

**III. WATER CONSUMPTION:**

1. The total water consumption for the above project activity shall not exceed 2000 KLD.

**IV. WATER POLLUTION CONTROL:**

1. Individual Units shall install effluent treatment Plants/Sewage Treatment Plants in their units after obtaining separate CFE from the Board.

**IV. AIR POLLUTION CONTROL:**

1. Individual units shall obtain CFE and CFO for installation of air pollution sources to be installed in their premises.
2. The applicant shall provide dust suppression systems with water sprinkling system during construction period.
3. The applicant should make provisions for dual piping system to use the treated sewage water for toilet flushing, gardening and other purposes

#### V. NOISE POLLUTION CONTROL:

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

#### VI. MoEF E.C. CONDITIONS:

- i) An Environmental Management Cell with appropriate lab facility shall be created as the project starts. They shall monitor all necessary parameters and activities during construction and operational phases from day one.
- ii) Sewage shall be treated and the treated sewage shall be used in dual plumbing systems/cooling make-up/green belt etc.,. The disposal of treated waste water shall conform to the regulation of State Pollution Control Board.
- iii) There shall be no disposal of solid or liquid wastes on coastal area. Solid waste Management shall be as per Municipal Solid (Management and Handling) Rules, 2000.

#### VII. SOLID 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 other than wastes covered under the Hazardous Waste (Management & Handling) Rules in such manner so as not to cause environmental pollution.
2. The applicant shall provide dedicated solid waste management facility in the form of organic converter within the layout for treatment of Solid wastes generated.

#### VIII. 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.

#### IX. GENERAL:

1. The applicant shall adhere to the Zonal Regulations norms of competent authority.
2. The applicant shall comply with the provisions of Water (Prevention and Control of Pollution) Cess Act, 1977.
3. The applicant must create structure/facility for rain water harvesting and ground water recharge.

*A. Udaya Kumar*

4. The applicant shall provide dual piping system in the layout in order to use the treated sewage for toilet flushing, gardening and other secondary purposes.
5. The applicant shall arrange for alternate power supply to run and operate the essential units of effluent Treatment Plants/sewage treatment plants, in event of brake down of regular supply from Electricity Board.
6. Exact date of commissioning of the sewage treatment plant shall be informed to this Board 45 days in advance so as to make necessary inspection of the plant and the pollution control measures provided by the applicant
7. The applicant shall appoint a qualified Environmental Engineer/ Scientist for the Management of Environmental aspects and also establish Environmental Cell to oversee the operation of ETPs/STPs.
8. The applicant shall make provisions for wooded Buffer zone all along the periphery of the layout.
9. The applicant shall implement the Environmental Management Plan during construction and after construction as given under EMP report.
10. The applicant shall not change or alter (a) number of Sites (b) Layout plan (c) the quality, quantity or rate of discharge/ emissions and (d) install/replace/alter the water or air pollution control measures without the prior approval of the Board.
11. The applicant shall immediately report to the Board of any accident or unforeseen act or event resulting in release of discharge of effluents or emissions or solid wastes etc., in excess of the standards stipulated, and the applicant shall immediately take appropriate corrective and preventive actions under intimation.
12. The Board reserves the right to review, impose additional condition or conditions, revoke, change or alter the terms and conditions.
13. The validity of this consent for establishment shall be Co-terminous with validity of Environmental clearance to be obtained.
14. This CFE does not give any right to the Party/Project Authority to forego any legal requirement, which is necessary for setting/operation of the project.
15. The project authorities shall dispose scientifically Bio-Medical waste and electronic waste to authorized common disposal facility and authorized recyclers respectively by entering into agreement.
16. 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.
17. The Guarantee money deposited towards STP, organic converter and plantation shall be returned without any interest only after establishment of STP and organic converter and successful operation other-wise the Guarantee money deposited may be subjected to forfeiture.

  
Senior Environmental Officer (W)



18. The CFE is issued without prejudice to the Court case pending in any Hon'ble Courts.

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

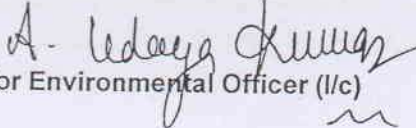
The receipt of this letter may please be acknowledged.

For and on behalf of  
Karnataka State Pollution Control Board

*A. Vedaya Kumar*  
Senior Environmental Officer (I/c)

**ANNEXURE-I**

Hobli.	Village Name.	Survey Nos.	Falls under Zone as per TGRCA Notification dated 18.11.2003.	Remarks.
Thyama-gondlu.	Beeragon-danahalli.	All Sy. Nos.	Zone-I.	For all type industries allowed.
	Hosahalli.	60P & (3).	Zone-I.	For all type industries allowed.
	Makanakuppe.	27/12 & 27/13	Zone-IV.	For Green category industries Allowed.
		35/1, 2A, 2B, 2C, 3, 4A, 4B & 35/5	Zone-III.	No industrial activities allowed.
Sompura.	Laxmanpura.	10, 12, 13, 14, 15/1A, 1B, 2, 16/1, 2, 3, 4, 5, 6, 7, 17/1, 2, 3, 4, 18/1, 2, 3, 4, 5, 20/1A, 1B, 2, 21/1 & 21/2.	Zone-IV.	For Green category industries Allowed.
		22P, 23/1, 2, 24, 25/1, 2, 3, 26, 27P, 28P, 29/1, 2 & 30.	Zone-I.	For all type industries allowed.
		31, 32/1, 32/2, 34/1,2, 3, 4 & 34/5.	Zone-IV.	For Green category industries Allowed.
		35, 36, 37 & 38.	Zone-I.	For all type industries allowed.
	Pemmanahalli.	47 & 51.	Zone-I.	For all type industries allowed.
	Niduvanda.	129/2P3	Zone-III.	No industrial activities allowed.
	Bharathipura.	111C	Zone-I.	For all type industries allowed.

  
 Senior Environmental Officer (I/c)



ಕರ್ನಾಟಕ ರಾಜ್ಯ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿ  
**Karnataka State Pollution Control Board**

“ಪರಿಸರಭವನ”, 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

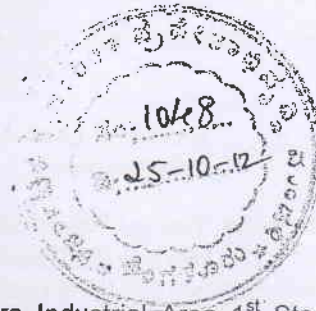
KIADB-Sompura-794

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

NO. PCB/341/CNP/10/ H832

Dated: 20 OCT 2012

To  
The Development Officer-III,  
Karnataka Industrial Area Development Board,  
KIADB Zonal Office, Kheny Building,  
No. 3/2, 4<sup>th</sup> Floor, 1<sup>st</sup> Cross, Gandhinagar,  
Bangalore - 560 009.



DDO-II/AE-  
Pl. verify &  
take na  
30/11

Sir,

Sub: Consent for establishment to develop Sompura Industrial Area 1<sup>st</sup> Stage (Dabaspeta, 3<sup>rd</sup> Phase) with an area of 794.23 Acres at various Sy. Nos. and Villages given in Annexure-I Sompura, Nelamangala Taluk, Bangalore Rural District by M/s. Karnataka Industrial Area Development Board.

AE) 2/11'

- Ref: 1. CFE applications received at Regional Office, KSPCB, Bangalore North-2 on 22.08.2011.  
2. This Board letter No. 409 dated 14.09.2011.  
3. Proceedings of the consent committee meeting held on 16.09.2011.  
4. Proceedings of the Public Hearing held on 09.01.2012.  
5. Project proponent letter dated 17.09.2012.  
6. Proceedings of the consent committee meeting held on 04.10.2012.

ಶಾಂತಿಶಾಂತಿ

With reference to the above, it is to be informed that this Board hereby accords Consent for Establishment under the Water (Prevention & Control of Pollution) Act 1974 to develop Sompura Industrial Area 1<sup>st</sup> Stage (Dabaspeta, 3<sup>rd</sup> Phase) with an area of 794.23 Acres at various Sy. Nos. and Villages given in Annexure-I Sompura, Nelamangala Taluk, Bangalore Rural District by M/s. Karnataka Industrial Area Development Board, subject to the following conditions.

I. T.G. HALLI CATCHMENT AREA REGULATION:

1. This CFE is issued without prejudice to any court cases pending in any Hon'ble Court.
2. The KIADB authorities shall strictly follow T.G. Halli catchment Area Regulation Notification issued by Government of Karnataka on 18.11.2003.
3. The KIADB authorities shall strictly follow directions given in the this Board Office letter cited at ref. (3) with respect to allocation of Plots for industries in Zone-I and catchment Notification, as per the category designated.

A. Udave Kumar

4. The Sy. Nos. given in Annexure-I is as furnished by the KIADB authorities and their shall ensure the same in compliance to T.G. Halli, in respect of Zonal regulation in allotment of Plots.
5. Individual units allotted shall obtain separate CFE and CFO from the Board.
6. As the proposed area comes under T.G.Halli reservoir catchment area the applicant shall strictly follow the below directions issued by the Government of Karnataka on T.G. Halli reservoir catchment area vide Notification dated 18.11.2003.
  - a) Over exploitation of ground water shall not be made.
  - b) Solid and liquid waste shall be disposed scientifically.
  - c) Rain water harvesting systems shall be adopted.
  - d) Organic farming including bio-fertilizer and bio-pesticide shall be promoted.

**II. Environmental Aspects and Management during the course of construction:**

- a) The applicant shall arrange services like housing facility, water supply, sewage facilities on a temporary basis at construction site and same shall be maintained without any adverse impact on the environment.
- b) The applicant shall control the movement of vehicles carrying construction materials in order to avoid noise pollution in the surrounding.

**III. WATER CONSUMPTION:**

1. The total water consumption for the above project activity shall not exceed 3500 KLD.

**IV. WATER POLLUTION CONTROL:**

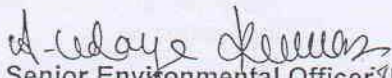
1. Individual Units shall install effluent treatment Plants/Sewage Treatment Plants in their units after obtaining separate CFE from the Board.

**IV. AIR POLLUTION CONTROL:**

1. Individual units shall obtain CFE and CFO for installation of air pollution sources to be installed in their premises.
2. The applicant shall provide dust suppression systems with water sprinkling system during construction period.
3. The applicant should make provisions for dual piping system to use the treated sewage water for toilet flushing, gardening and other purposes

**V. NOISE POLLUTION CONTROL:**

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

  
Senior Environmental Officer (I/c)

#### VI. MoEF E.C. CONDITIONS:

- i) An Environmental Management Cell with appropriate lab facility shall be created as the project starts. They shall monitor all necessary parameters and activities during construction and operational phases from day one.
- ii) Sewage shall be treated and the treated sewage shall be used in dual plumbing systems/cooling make-up/green belt etc.,. The disposal of treated waste water shall conform to the regulation of State Pollution Control Board.
- iii) There shall be no disposal of solid or liquid wastes on coastal area. Solid waste Management shall be as per Municipal Solid (Management and Handling) Rules, 2000.-

#### VII. SOLID WASTE DISPOSAL:

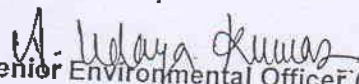
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2. The applicant shall provide dedicated solid waste management facility in the form of organic converter within the layout for treatment of Solid wastes generated.

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1. The applicant shall provide all necessary healthcare facilities to workers and shall carry out routine health survey among workers..
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1. The applicant shall adhere to the Zonal Regulations norms of competent authority.
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3. The applicant must create structure/facility for rain water harvesting and ground water recharge.
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5. The applicant shall arrange for alternate power supply to run and operate the essential units of effluent Treatment Plants/sewage treatment plants, in event of brake down of regular supply from Electricity Board.

  
Senior Environmental Officer (I/c)

6. Exact date of commissioning of the sewage treatment plant shall be informed to this Board 45 days in advance so as to make necessary inspection of the plant and the pollution control measures provided by the applicant
7. The applicant shall appoint a qualified Environmental Engineer/ Scientist for the Management of Environmental aspects and also establish Environmental Cell to oversee the operation of ETPs/STPs.
8. The applicant shall make provisions for wooded Buffer zone all along the periphery of the layout.
9. The applicant shall implement the Environmental Management Plan during construction and after construction as given under EMP report.
10. The applicant shall not change or alter (a) number of Sites (b) Layout plan (c) the quality, quantity or rate of discharge/ emissions and (d) install/replace/alter the water or air pollution control measures without the prior approval of the Board.
11. The applicant shall immediately report to the Board of any accident or unforeseen act or event resulting in release of discharge of effluents or emissions or solid wastes etc., in excess of the standards stipulated, and the applicant shall immediately take appropriate corrective and preventive actions under intimation.
12. The Board reserves the right to review, impose additional condition or conditions, revoke, change or alter the terms and conditions.
13. The validity of this consent for establishment shall be Co-terminous with validity of Environmental clearance to be obtained.
14. This CFE does not give any right to the Party/Project Authority to forego any legal requirement, which is necessary for setting/operation of the project.
15. The project authorities shall dispose scientifically Bio-Medical waste and electronic waste to authorized common disposal facility and authorized recyclers respectively by entering into agreement.
16. 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.
17. The Guarantee money deposited towards STP, organic converter and plantation shall be returned without any interest only after establishment of STP and organic converter and successful operation other-wise the Guarantee money deposited may be subjected to forfeiture.

*A. Uday Kumar*  
Senior Environmental Officer (I/c)

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

The receipt of this letter may please be acknowledged.

For and on behalf of  
Karnataka State Pollution Control Board

*A. Udaya Kumar*  
Senior Environmental Officer (I/c)

**ANNEXURE - I**

**Details of Sy. Nos. and Villages coming under KIADB, Sompura Indl. Area -  
Phase I Project**

Sl. No.	Village Name	Sy. Nos.
1	Pemanahalli	8/1, 8/2, 8/3, 8/4, 9/1, 9/2, 9/3, 9/4, 9/5, 10, 11/1, 11/2, 11/3, 11/4, 12, 13/1,13/2, 14, 15/2, 15/3, 15/4, 24/1, 24/2, 24/3, 24/4, 25/1, 25/2, 25/3, 25/4, 25/5, 25/6, 25/7, 25/8, 25/9, 40/1, 40/2, 41/1, 41/2, 42/1, 42/2, 43, 44/2, 44/2, 45, 46, 47, 48, 49, 50/1, 51, 51/1, 52/2,52/3, 56/1, 56/2, 56/3, 57/1,57/2,58/1, 58/2, 58/3, 59/1, 59/2, 60, 61/1, 61/2, 62
2	Niduvanda	2, 3, 4, 5/1, 5/2, 5/63,5/4, 5/5, 5/6,6, 7, 8, 9/1, 9/2, 9/3,9/4,9/5, 120/3, 127/1A, 127/1B, 127/1C, 127/1D, 127/2, 128, 129/1, 129/2, 129/3, 129/4, 130, 131/1, 131/2, 131/3, 132, 133/1, 133/3, 133/4, 133/5A, 133/5B, 133/6A, 133/6B, 133/7, 140, 141/1, 141/2, 141/3, 141/4, 141/5, 141/6, 141/7, 142/1, 142/2A, 142/2B, 142/3A, 142/3B, 143, 144/1, 144/2, 144/3, 145, 146/1, 146/2, 146/3, 153/1, 153/2, 155, 156, 157, 158, 159/1, 159/2A, 159/2B, 159/2C, 159/3, 159/4, 159/5, 159/6, 159/7, 159/8, 160/1, 160/2, 160/3, 160/4, 161/1, 161/2, 162, 163, 164, 165, 166, 167/1A, 167/1B, 167/2, 168/1, 168/2, 168/3A, 168/3B, 168/4, 169, 170/1, 170/2, 170/3, 170/4, 170/5, 171, 172/1A, 172/1B, 172/2, 173, 174, 175/1, 177, 178, 179, 180/1, 180/2, 181/1, 181/2, 182, 183, 184/1, 184/2, 184/3, 185/1A, 185/1B,185/2, 185/3, 185/4A, 185/4B, 185/5, 186/6, 186/1, 186/2, 186/3, 186/4, 186/5, 187, 188, 188/P2, 189, 191/1, 191/2, 192/1, 192/2, 192/3, 192/4, 192/5, 192/6, 192/7, 192/8, 193/1, 193/2, 19*3/3, 193/4, 193/5, 193/6, 193/7, 193/8, 193/9, 193/9, 193/10, 193/11, 193/12, 193/13, 193/14, 193/15, 194/1, 194/2, 194/3, 195/1, 199/3, 199/4, 200/1, 200/2, 201, 202/1, 202/2, 202/3, 202/4
3	Makanakuppe	12/1A, 12/1B, 12/1C, 12/1D, 13/1, 13/2, 13/3, 21/1, 21/2, 22, 26, 27/1A, 27/1B, 27/2, 27/3, 27/4, 27/5, 27/6, 27/7, 27/8, 27/9, 27/10, 27/11, 27/14, 27/15, 27/16, 27/17, 27/18, 27/19, 27/20, 27/21, 27/22, 27/23, 27/24, 27/25, 27/26, 27/27, 27/28, 27/29, 27/30, 27/31, 27/32, 27/56, 27/57, 27/59, 27/59, 27/60, 27/62, 28/1, 28/2, 28/3, 28/4, 28/5, 28/6, 28/7, 28/8, 29, 30/1, 30/2, 30/3, 30/4, 30/5, 30/6, 30/7, 30/8, 30/9, 31/1, 31/2, 31/3, 31/4, 32, 34/1, 34/2, 34/3, 34/7, 34/5, 35/5, 36/1, 36/2, 36/3, 37/1, 37/2, 38/1A1, 38/1A2, 38/1B, 38/2, 40/1, 40/2A, 40/2B, 40/3A, 40/3B, 41/1, 41/2, 41/3, 41/4, 42, 43/1, 43/2, 43/3, 49/1, 49/2, 49/3, 49/4, 49/5, 49/6
4	Bharatipura	4/1, 5, 6/1, 6/2, 7, 8/1, 8/2, 9/1, 9/2, 10/1, 10/2, 10/3, 11/1A, 11/1B, 11/1C, 11/2, 11/3, 12/1, 12/2, 12/3, 12/4, 12/5, 12/6, 12/7, 12/8, 12/9, 12, 12/10A, 12/10B, 12/11,12/12, 12/13, 12/14, 12/15, 12/6, 13, 14/1, 14/2, 14/3, 16, 17



# 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  
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ವಾಡ್ ಇಂಜಿನಿಯರಿಂಗ್ ವಿಭಾಗ, ಕಾರವಾರ

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ಉಳಿದಂತೆ  
ಸಂಪರ್ಕಿಸಿ  
ಸಂಪರ್ಕಿಸಿ

**RAVARI NIGAM LIMITED**  
(Karnataka Enterprise)  
Executive Engineer,  
Project Division, Ranebennur.  
**Madhapura Corrigendum-3/  
dtd: 19-03-2018**

**Corrigendum-3**  
Notification No. 3944/017-18  
Corrigendum -1 Notification  
-2018 3) This office  
4447 dtd: 03-03-2018  
Notifications cited at Ref (1) to (3)  
work of "Survey, Investigation,  
Testing and Commissioning of  
Works consisting of Intake  
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  
2) in the news papers. Further  
3) the office of the undersigned  
4) No. (08373) - 267071. and

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



## KARNATAKA INDUSTRIAL AREAS DEVELOPMENT BOARD

(A Government of Karnataka Undertaking)  
No. 49, East Wing, 4<sup>th</sup> & 5<sup>th</sup> 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, 2<sup>nd</sup> & 3<sup>rd</sup> Phase, Tumakuru District.
  3. Gowribidanur, 1<sup>st</sup> & 2<sup>nd</sup> 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, 2<sup>nd</sup> & 3<sup>rd</sup> Phase, Ramangara District
  7. Jakanasandra Industrial Area, Jakasandra village, Malur Taluk, Kolar District.
- B. Environmental Clearance from SEIAA**
- 1) Malur Industrial Area, 4<sup>th</sup> Phase, Malur Taluk, Kolar District.
  - 2) Narasapura Industrial Area, 1<sup>st</sup> Stage, Kolar District.
  - 3) IT/BT Park, Gamanagatti, Tarihal Village, Dharwad District.
  - 4) Bidadi Industrial Area, 2<sup>nd</sup> Phase, Ramanagara District.
  - 5) Vemagal Industrial Area, Kolar District.
  - 6) Vasanthanasapura Industrial Area, 1<sup>st</sup> Stage, Tumakuru Taluk & District.
  - 7) Hi-Tech Defence & Aerspce Components, Devanahalli Taluk, Bengaluru Rural District.
  - 8) Doddaballapura Industrial Area, 3<sup>rd</sup> Phase, Obdenahalli, Doddaballapura Taluk, Bangalore Rural District.
  - 9) Kittur Industrial Area, Bailahongal Taluk, Belagavi District.
  - 10) Nandur Kesaratagi Industrial Area, 2<sup>nd</sup> Phase, Kalaburagi Taluk & District.

Sd/- Chief Development Officer & Chief Engineer

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DEPART  
MINOR II  
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No.EE /MID  
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Nagarabhavi, Bengaluru - 560 072. Tel : 080 2318 6230

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

### TEST REPORT



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

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

Report No.	: RE/2021/00051
Report date	: 04/02/2021
Ref.	: Test Request Form
Date of Sampling	: 27/01/2021 to 28/01/2021
Job Order No	: RE/2021/00051
Date of Receipt	: 28/01/2021
Analysis Start date	: 29/01/2021
Analysis Completed date	: 04/02/2021

**Sample Particulars:** Ambient Air Monitoring for 24 hours.

**Name of the Industrial Area:** Sompura Industrial Area, 1st stage (Dobaspeta 3rd phase) & 2nd stage, Sompura Hobli, Nelamangala Taluk, Bangalore Rural District, Karnataka. (Ext- 1358.5 A).

**Sample Location:** Near Beeragondanahalli Village.

Sl. No.	Parameters	Results	Limits (As Per NAAQS) For 24hrs	Protocol
1	Particulate Matter PM <sub>10</sub> , µg/m <sup>3</sup>	65.1	100	IS-5182 (P-23)
2	Particulate Matter PM <sub>2.5</sub> , µg/m <sup>3</sup>	25.8	60	IS-5182 (P-24)
3	Nitrogen Dioxide NO <sub>2</sub> , µg/m <sup>3</sup>	23.4	80	IS-5182 (P-06)
4	Sulphur dioxide as SO <sub>2</sub> , µg/m <sup>3</sup>	14.6	80	IS-5182 (P-02)

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

#### Details of Equipment used for monitoring

Name of the equipment	Respirable Dust Sampler	Fine Particulate Sampler
Model	Envirotech AAS-217 NL	Envirotech AAS 127-mini
Sl. No.	18-J-739	18-J-889
Calibrated on date	17-03-2020	21-01-2021
Calibration due date	16-03-2021	20-01-2022

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

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



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

### TEST REPORT



<b>M/s. Karnataka Industrial Areas Development Board (KIADB).</b> No. 49, 4th & 5th Floor, East Wing, Khanija Bhavan, Race Course Road, Bengaluru, Karnataka 560 001.	Report No.	: RE/2021/00053
	Report date	: 04/02/2021
	Ref.	: Test Request Form
	Date of Sampling	: 27/01/2021 to 28/01/2021
	Job Order No	: RE/2021/00053
	Date of Receipt	: 28/01/2021
	Analysis Start date	: 29/01/2021
<b>Sample Particulars:</b> Ambient Air Monitoring for 24 hours.	Analysis Completed date	: 04/02/2021
<b>Name of the Industrial Area:</b> Sompura Industrial Area, 1st stage (Dobaspet 3rd phase) & 2nd stage, Sompura Hobli, Nelamangala Taluk, Bangalore Rural District, Karnataka. (Ext- 1358.5 A).		
<b>Sample Location:</b> Near Laxmanapura Village.		

Sl. No.	Parameters	Results	Limits (As Per NAAQS) For 24hrs	Protocol
1	Particulate Matter PM <sub>10</sub> , µg/m <sup>3</sup>	64.7	100	IS-5182 (P-23)
2	Particulate Matter PM <sub>2.5</sub> , µg/m <sup>3</sup>	23.5	60	IS-5182 (P-24)
3	Nitrogen Dioxide NO <sub>2</sub> , µg/m <sup>3</sup>	21.1	80	IS-5182 (P-06)
4	Sulphur dioxide as SO <sub>2</sub> , µg/m <sup>3</sup>	10.7	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	Envirotech APM-550 mini
Sl. No.	2814/DTB/2020	938/DTE/2020
Calibrated on date	18-12-2020	18-12-2020
Calibration due date	17-12-2021	17-12-2021

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

### TEST REPORT



<b>M/s. Karnataka Industrial Areas Development Board (KIADB).</b> No. 49, 4th & 5th Floor, East Wing, Khanija Bhavan, Race Course Road, Bengaluru, Karnataka 560 001.	Report No.	: RE/2021/00055
	Report date	: 04/02/2021
	Ref.	: Test Request Form
	Date of Sampling	: 27/01/2021 to 28/01/2021
	Job Order No	: RE/2021/00055
	Date of Receipt	: 28/01/2021
	Analysis Start date	: 29/01/2021
<b>Sample Particulars:</b> Ambient Air Monitoring for 24 hours.	Analysis Completed date	: 04/02/2021
<b>Name of the Industrial Area:</b> Sompura Industrial Area, 1st stage (Dobaspeta 3rd phase) & 2nd stage, Sompura Hobli, Nelamangala Taluk, Bangalore Rural District, Karnataka. (Ext- 1358.5 A).		
<b>Sample Location:</b> Near Pemmanahalli Village.		

Sl. No.	Parameters	Results	Limits (As Per NAAQS) For 24hrs	Protocol
1	Particulate Matter PM <sub>10</sub> , µg/m <sup>3</sup>	65.2	100	IS-5182 (P-23)
2	Particulate Matter PM <sub>2.5</sub> , µg/m <sup>3</sup>	25.7	60	IS-5182 (P-24)
3	Nitrogen Dioxide NO <sub>2</sub> , µg/m <sup>3</sup>	22.3	80	IS-5182 (P-06)
4	Sulphur dioxide as SO <sub>2</sub> , µg/m <sup>3</sup>	13.8	80	IS-5182 (P-02)

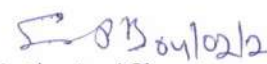
**INFERENCE:** The measured values for the above tested parameters are within as per the NAAQ Standards

#### Details of Equipment used for monitoring

Name of the equipment	Respirable Dust Sampler	Fine Particulate Sampler
Model	Envirotech APM-460	Envirotech APM-550 mini
Sl. No.	2815/DTB/2020	944/DTE/2020
Calibrated on date	18-12-2020	18-12-2020
Calibration due date	17-12-2021	17-12-2021

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### TEST REPORT



<b>M/s. Karnataka Industrial Areas Development Board (KIADB).</b> No. 49, 4th & 5th Floor, East Wing, Khanija Bhavan, Race Course Road, Bengaluru, Karnataka 560 001.	Report No.	: RE/2021/00057
	Report date	: 04/02/2021
	Ref.	: Test Request Form
	Date of Sampling	: 27/01/2021 to 28/01/2021
	Job Order No	: RE/2021/00057
	Date of Receipt	: 28/01/2021
	Analysis Start date	: 29/01/2021
<b>Sample Particulars:</b> Ambient Air Monitoring for 24 hours.	Analysis Completed date	: 04/02/2021
<b>Name of the Industrial Area:</b> Sompura Industrial Area, 1st stage (Dobaspeth 3rd phase) & 2nd stage, Sompura Hobli, Nelamangala Taluk, Bangalore Rural District, Karnataka. (Ext- 1358.5 A).		
<b>Sample Location:</b> Near Niduvanda Village.		

Sl. No.	Parameters	Results	Limits (As Per NAAQS) For 24hrs	Protocol
1	Particulate Matter PM <sub>10</sub> , µg/m <sup>3</sup>	66.1	100	IS-5182 (P-23)
2	Particulate Matter PM <sub>2.5</sub> , µg/m <sup>3</sup>	23.8	60	IS-5182 (P-24)
3	Nitrogen Dioxide NO <sub>2</sub> , µg/m <sup>3</sup>	19.6	80	IS-5182 (P-06)
4	Sulphur dioxide as SO <sub>2</sub> , µg/m <sup>3</sup>	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

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### TEST REPORT



<b>M/s. Karnataka Industrial Areas Development Board (KIADB).</b> No. 49, 4th & 5th Floor, East Wing, Khanija Bhavan, Race Course Road, Bengaluru, Karnataka 560 001.	Report No.	: RE/2021/00059
	Report date	: 04/02/2021
	Ref.	: Test Request Form
	Date of Sampling	: 28/01/2021 to 29/01/2021
	Job Order No	: RE/2021/00059
	Date of Receipt	: 29/01/2021
	Analysis Start date	: 29/01/2021
<b>Sample Particulars:</b> Ambient Air Monitoring for 24 hrs.	Analysis Completed date	: 04/02/2021
<b>Name of the Industrial Area:</b> Sompura Industrial Area, 1st stage (Dobaspeth 3rd phase) & 2nd stage, Sompura Hobli, Nelamangala Taluk, Bangalore Rural District, Karnataka. (Ext- 1358.5 A).		
<b>Sample Location:</b> Near Hosahalli Village.		

Sl. No.	Parameters	Results	Limits (As Per NAAQS) For 24hrs	Protocol
1	Particulate Matter PM <sub>10</sub> , µg/m <sup>3</sup>	62.5	100	IS-5182 (P-23)
2	Particulate Matter PM <sub>2.5</sub> , µg/m <sup>3</sup>	24.6	60	IS-5182 (P-24)
3	Nitrogen Dioxide NO <sub>2</sub> , µg/m <sup>3</sup>	21.4	80	IS-5182 (P-06)
4	Sulphur dioxide as SO <sub>2</sub> , µg/m <sup>3</sup>	12.3	80	IS-5182 (P-02)

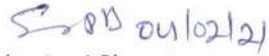
**INFERENCE:** The measured values for the above tested parameters are within as per the NAAQ Standards.

#### Details of Equipment used for monitoring

Name of the equipment	Respirable Dust Sampler	Fine Particulate Sampler
Model	Envirotech APM-460	Envirotech APM-550 mini
Sl. No.	2814/DTB/2020	938/DTE/2020
Calibrated on date	18-12-2020	18-12-2020
Calibration due date	17-12-2021	17-12-2021

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### TEST REPORT



<b>M/s. Karnataka Industrial Areas Development Board (KIADB).</b> No. 49, 4th & 5th Floor, East Wing, Khanija Bhavan, Race Course Road, Bengaluru, Karnataka 560 001.	Report No.	: RE/2021/00061
	Report date	: 04/02/2021
	Ref.	: Test Request Form
	Date of Sampling	: 28/01/2021 to 29/01/2021
	Job Order No	: RE/2021/00061
	Date of Receipt	: 29/01/2021
	Analysis Start date	: 29/01/2021
<b>Sample Particulars:</b> Ambient Air Monitoring for 24 hrs.	Analysis Completed date	: 04/02/2021
<b>Name of the Industrial Area:</b> Sompura Industrial Area, 1st stage (Dobaspeta 3rd phase) & 2nd stage, Sompura Hobli, Nelamangala Taluk, Bangalore Rural District, Karnataka. (Ext- 1358.5 A).		
<b>Sample Location:</b> Near Bharatipura Village.		

Sl. No.	Parameters	Results	Limits (As Per NAAQS) For 24hrs	Protocol
1	Particulate Matter PM <sub>10</sub> , µg/m <sup>3</sup>	61.1	100	IS-5182 (P-23)
2	Particulate Matter PM <sub>2.5</sub> , µg/m <sup>3</sup>	21.9	60	IS-5182 (P-24)
3	Nitrogen Dioxide NO <sub>2</sub> , µg/m <sup>3</sup>	17.6	80	IS-5182 (P-06)
4	Sulphur dioxide as SO <sub>2</sub> , µg/m <sup>3</sup>	9.9	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 APM-460	Envirotech APM-550 mini
Sl. No.	2815/DTB/2020	944/DTE/2020
Calibrated on date	18-12-2020	18-12-2020
Calibration due date	17-12-2021	17-12-2021

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05/02/21  
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**Note:** 1. The results listed refer only to the tested samples and applicable parameters. 2. Test certificate should not be reproduced except in full, without written approval of the laboratory. 3. The submitted samples are drawn by the laboratory unless otherwise specified. 4. Endorsement of product is neither inferred nor implied. 5. Samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified. 6. This report cannot be used as evidence in the court of law & should not be used in any advertising media without our permission in writing. 7. Total liability of our lab is limited to the invoice amount and any disputes arising out of this report are subject to Bangalore jurisdiction only. 8. Laboratory is not responsible for the authenticity of photocopied test reports.



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### TEST REPORT



<b>M/s. Karnataka Industrial Areas Development Board (KIADB).</b> No. 49, 4th & 5th Floor, East Wing, Khanija Bhavan, Race Course Road, Bengaluru, Karnataka 560 001.	Report No.	: RE/2021/00063
	Report date	: 04/02/2021
	Ref.	: Test Request Form
	Date of Sampling	: 28/01/2021 to 29/01/2021
	Job Order No	: RE/2021/00063
	Date of Receipt	: 29/01/2021
	Analysis Start date	: 29/01/2021
<b>Sample Particulars:</b> Ambient Air Monitoring for 24 hrs.	Analysis Completed date	: 04/02/2021
<b>Name of the Industrial Area:</b> Sompura Industrial Area, 1st stage (Dobaspeta 3rd phase) & 2nd stage, Sompura Hobli, Nelamangala Taluk, Bangalore Rural District, Karnataka. (Ext- 1358.5 A).		
<b>Sample Location:</b> Near Madenahalli Village.		

Sl. No.	Parameters	Results	Limits (As Per NAAQS) For 24hrs	Protocol
1	Particulate Matter PM <sub>10</sub> , µg/m <sup>3</sup>	60.0	100	IS-5182 (P-23)
2	Particulate Matter PM <sub>2.5</sub> , µg/m <sup>3</sup>	23.6	60	IS-5182 (P-24)
3	Nitrogen Dioxide NO <sub>2</sub> , µg/m <sup>3</sup>	16.9	80	IS-5182 (P-06)
4	Sulphur dioxide as SO <sub>2</sub> , µg/m <sup>3</sup>	8.3	80	IS-5182 (P-02)

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

#### Details of Equipment used for monitoring

Name of the equipment	Respirable Dust Sampler	Fine Particulate Sampler
Model	Envirotech AAS-217 NL	Envirotech AAS 127-mini
Sl. No.	18-J-739	18-J-889
Calibrated on date	17-03-2020	21-01-2021
Calibration due date	16-03-2021	20-01-2022

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### TEST REPORT



<b>M/s. Karnataka Industrial Areas Development Board (KIADB).</b> No. 49, 4th & 5th Floor, East Wing, Khanija Bhavan, Race Course Road, Bengaluru, Karnataka 560 001.	Report No.	: RE/2021/00065
	Report date	: 04/02/2021
	Ref.	: Test Request Form
	Date of Sampling	: 28/01/2021 to 29/01/2021
	Job Order No	: RE/2021/00065
	Date of Receipt	: 29/01/2021
	Analysis Start date	: 29/01/2021
	Analysis Completed date	: 04/02/2021
<b>Sample Particulars:</b> Ambient Air Monitoring for 24 hrs.		
<b>Name of the Industrial Area:</b> Sompura Industrial Area, 1st stage (Dobaspeta 3rd phase) & 2nd stage, Sompura Hobli, Nelamangala Taluk, Bangalore Rural District, Karnataka. (Ext- 1358.5 A).		
<b>Sample Location:</b> Near Thyamagondlu Village.		

Sl. No.	Parameters	Results	Limits (As Per NAAQS) For 24hrs	Protocol
1	Particulate Matter PM <sub>10</sub> , µg/m <sup>3</sup>	59.6	100	IS-5182 (P-23)
2	Particulate Matter PM <sub>2.5</sub> , µg/m <sup>3</sup>	21.5	60	IS-5182 (P-24)
3	Nitrogen Dioxide NO <sub>2</sub> , µg/m <sup>3</sup>	19.4	80	IS-5182 (P-06)
4	Sulphur dioxide as SO <sub>2</sub> , µg/m <sup>3</sup>	9.7	80	IS-5182 (P-02)

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

#### Details of Equipment used for monitoring

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

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### 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/2021/00052
Report date	: 04/02/2021
Ref.	: Test Request Form
Date of Sampling	: 27/01/2021 to 28/01/2021
Job Order No	: RE/2021/00052
Date of Receipt	: 28/01/2021
Analysis Start date	: 03/02/2021
Analysis Completed date	: 04/02/2021

**Name of the Industrial Area:** Sompura Industrial Area, 1st stage (Dobaspeth 3rd phase) & 2nd stage, Sompura Hobli, Nelamangala Taluk, Bangalore Rural District, Karnataka. (Ext- 1358.5 A).

**Sample Particulars:** Noise Monitoring for 24 hours.

J.O.No.	Location	Time Frequency	L min dB(A)	L max dB(A)	L eq dB(A)
RE/2021/00052	Near Beeragondanahalli Village	6:01 AM to 10:00 PM	51.3	57.4	54.3
		10:01 PM to 6:00 AM	42.6	46.8	44.6

**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-----

Verified by

Authorized Signatory

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### TEST REPORT



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

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

Report No.	: RE/2021/00054
Report date	: 04/02/2021
Ref.	: Test Request Form
Date of Sampling	: 27/01/2021 to 28/01/2021
Job Order No	: RE/2021/00054
Date of Receipt	: 28/01/2021
Analysis Start date	: 03/02/2021
Analysis Completed date	: 04/02/2021

**Name of the Industrial Area:** Sompura Industrial Area, 1st stage (Dobaspeth 3rd phase) & 2nd stage, Sompura Hobli, Nelamangala Taluk, Bangalore Rural District, Karnataka. (Ext- 1358.5 A).

**Sample Particulars:** Noise Monitoring for 24 hours.

J.O.No.	Location	Time Frequency	L min dB(A)	L max dB(A)	L eq dB(A)
RE/2021/00054	Near Laxmanapura Village	6:01 AM to 10:00 PM	48.6	56.8	52.5
		10:01 PM to 6:00 AM	36.5	49.2	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-----

Verified by

Authorized Signatory

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### TEST REPORT



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

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

Report No.	: RE/2021/00056
Report date	: 04/02/2021
Ref.	: Test Request Form
Date of Sampling	: 27/01/2021 to 28/01/2021
Job Order No	: RE/2021/00056
Date of Receipt	: 28/01/2021
Analysis Start date	: 03/02/2021
Analysis Completed date	: 04/02/2021

**Name of the Industrial Area:** Sompura Industrial Area, 1st stage (Dobaspeth 3rd phase) & 2nd stage, Sompura Hobli, Nelamangala Taluk, Bangalore Rural District, Karnataka. (Ext- 1358.5 A).

**Sample Particulars:** Noise Monitoring for 24 hours.

J.O.No.	Location	Time Frequency	L min dB(A)	L max dB(A)	L eq dB(A)
RE/2021/00056	Near Pemmanahalli Village	6:01 AM to 10:00 PM	51.3	57.3	54.2
		10:01 PM to 6:00 AM	40.6	49.5	44.8

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

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

#### INFERENCE

As per CPCB Standards,

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

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Authorized Signatory

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### TEST REPORT



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

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

Report No.	: RE/2021/00058
Report date	: 04/02/2021
Ref.	: Test Request Form
Date of Sampling	: 27/01/2021 to 28/01/2021
Job Order No	: RE/2021/00058
Date of Receipt	: 28/01/2021
Analysis Start date	: 03/02/2021
Analysis Completed date	: 04/02/2021

**Name of the Industrial Area:** Sompura Industrial Area, 1st stage (Dobaspeth 3rd phase) & 2nd stage, Sompura Hobli, Nelamangala Taluk, Bangalore Rural District, Karnataka. (Ext- 1358.5 A).

**Sample Particulars:** Noise Monitoring for 24 hours.

J.O.No.	Location	Time Frequency	L min dB(A)	L max dB(A)	L eq dB(A)
RE/2021/00058	Near Niduvanda Village	6:01 AM to 10:00 PM	42.9	67.8	53.9
		10:01 PM to 6:00 AM	36.1	53.0	43.7

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

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

**INFERENCE**

**As per CPCB Standards,**

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

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

Verified by

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### TEST REPORT



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

No. 49, 4th & 5th Floor, East Wing, Khanija Bhavan,  
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Report No.	: RE/2021/00060
Report date	: 04/02/2021
Ref.	: Test Request Form
Date of Sampling	: 28/01/2021 to 29/01/2021
Job Order No	: RE/2021/00060
Date of Receipt	: 29/01/2021
Analysis Start date	: 03/02/2021
Analysis Completed date	: 04/02/2021

**Name of the Industrial Area:** Sompura Industrial Area, 1st stage (Dobaspet 3rd phase) & 2nd stage, Sompura Hobli, Nelamangala Taluk, Bangalore Rural District, Karnataka. (Ext- 1358.5 A).

**Sample Particulars:** Noise Monitoring for 24 hours.

J.O.No.	Location	Time Frequency	L min dB(A)	L max dB(A)	L eq dB(A)
RE/2021/00060	Near Hosahalli Village	6:01 AM to 10:00 PM	44.2	61.9	52.3
		10:01 PM to 6:00 AM	37.1	48.4	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-----

4/2/21

Verified by

4/2/21  
Authorized Signatory

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



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### TEST REPORT



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

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

Report No.	: RE/2021/00062
Report date	: 04/02/2021
Ref.	: Test Request Form
Date of Sampling	: 28/01/2021 to 29/01/2021
Job Order No	: RE/2021/00062
Date of Receipt	: 29/01/2021
Analysis Start date	: 03/02/2021
Analysis Completed date	: 04/02/2021

**Name of the Industrial Area:** Sompura Industrial Area, 1st stage (Dobaspeth 3rd phase) & 2nd stage, Sompura Hobli, Nelamangala Taluk, Bangalore Rural District, Karnataka. (Ext- 1358.5 A).

**Sample Particulars:** Noise Monitoring for 24 hours.

J.O.No.	Location	Time Frequency	L min dB(A)	L max dB(A)	Leq dB(A)
RE/2021/00062	Near Bharatipura Village	6:01 AM to 10:00 PM	51.0	57.1	54.0
		10:01 PM to 6:00 AM	41.9	46.0	43.9

**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-----

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.



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<b>M/s. Karnataka Industrial Areas Development Board (KIADB).</b> No. 49, 4th & 5th Floor, East Wing, Khanija Bhavan, Race Course Road, Bengaluru, Karnataka 560 001.	Report No.	: RE/2021/00064
	Report date	: 04/02/2021
	Ref.	: Test Request Form
	Date of Sampling	: 28/01/2021 to 29/01/2021
	Job Order No	: RE/2021/00064
	Date of Receipt	: 29/01/2021
	Analysis Start date	: 03/02/2021
	Analysis Completed date	: 04/02/2021
<b>Name of the Industrial Area:</b> Sompura Industrial Area, 1st stage (Dobaspeta 3rd phase) & 2nd stage, Sompura Hobli, Nelamangala Taluk, Bangalore Rural District, Karnataka. (Ext- 1358.5 A).		
<b>Sample Particulars:</b> Noise Monitoring for 24 hours.		

J.O.No.	Location	Time Frequency	L min dB(A)	L max dB(A)	L eq dB(A)
RE/2021/00064	Near Madenahalli Village	6:01 AM to 10:00 PM	46.4	64.1	54.5
		10:01 PM to 6:00 AM	38.2	45.3	41.6

**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.

<b>INFERENCE</b>	<b>As per CPCB Standards,</b> <b>Report Status:</b> - 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.





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### TEST REPORT


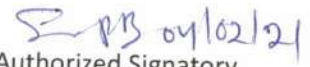


<b>M/s. Karnataka Industrial Areas Development Board (KIADB).</b> No. 49, 4th & 5th Floor, East Wing, Khanija Bhavan, Race Course Road, Bengaluru, Karnataka 560 001.	Report No.	: RE/2021/00066
	Report date	: 04/02/2021
	Ref.	: Test Request Form
	Date of Sampling	: 28/01/2021 to 29/01/2021
	Job Order No	: RE/2021/00066
	Date of Receipt	: 29/01/2021
	Analysis Start date	: 03/02/2021
	Analysis Completed date	: 04/02/2021
<b>Name of the Industrial Area:</b> Sompura Industrial Area, 1st stage (Dobaspeth 3rd phase) & 2nd stage, Sompura Hobli, Nelamangala Taluk, Bangalore Rural District, Karnataka. (Ext- 1358.5 A).		
<b>Sample Particulars:</b> Noise Monitoring for 24hours.		

J.O.No.	Location	Time Frequency	L min dB(A)	L max dB(A)	Leq dB(A)
RE/2021/00066	Near Thyamagondlu Village	6:01 AM to 10:00 PM	49.9	57.5	53.6
		10:01 PM to 6:00 AM	39.4	46.8	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.
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<b>INFERENCE</b>	<b>As per CPCB Standards,</b> <b>Report Status:</b> - The measured values for the above locations are within the standards.
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 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**



<b>M/s. Karnataka Industrial Areas Development Board (KIADB).</b> No.49, 4th & 5th Floor, East Wing, Khanija Bhavan, Race Course Road, Bengaluru, Karnataka 560 001.	Report No.	: RE/2021/00035
	Report date	: 06/02/2021
	Reference	: Test Request Form
	Sample receipt date	: 28/01/2021
	Job Order No	: RE/2021/00035
	Date of Sampling	: 28/01/2021
	Analysis start date	: 29/01/2021
	Analysis completion date	: 06/02/2021
<b>Sample Qty: 2 Ltrs</b>	Sampling Protocol	: E/WP/65
<b>Name of the Industrial Area:</b> Sompura Industrial Area, 1st stage (Dobaspeta 3rd phase) & 2nd stage, Sompura Hobli, Nelamangala Taluk, Bangalore Rural District, Karnataka. (Ext- 1358.5 A).		
<b>Sample Particulars:</b> One sample of Borewell Water – Near Beeragondanahalli Village.		

Sl. No.	Tests	Results	Maximum Desirable Limit IS 10500: 2012	Maximum Permissible Limit IS 10500: 2012	Protocol
<b>Description:</b> 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	8.2	6.5 – 8.5	No relaxation	IS 3025 (Part – 11): 1983 Reaff.2017
4	Turbidity, NTU	4.8	1	5	IS 3025 (Part – 10): 1984 Reaff.2017
5	Chloride as Cl, mg/L	108.1	250	1000	IS 3025 (Part – 32): 1988 Reaff.2019
6	Total hardness as CaCO <sub>3</sub> , mg/L	291.4	200	600	IS 3025 (Part – 21): 2009 Reaff.2019
7	Calcium as Ca, mg/L	70.0	75	200	IS 3025 (Part – 40): 1991 Reaff.2019
8	Magnesium as Mg, mg/L	28.5	30	100	IS 3025 (Part – 46): 1994 Reaff.2019
9	Total dissolved Solids, mg/L	350.0	500	2000	IS 3025 (Part – 16): 1984 Reaff.2017
10	Sulphate as SO <sub>4</sub> , mg/L	41.6	200	400	IS 3025 (Part – 24): 1986 Reaff.2019
11	Nitrate as NO <sub>3</sub> , mg/L	3.2	45.0	No relaxation	APHA 23 <sup>rd</sup> Edition
12	Fluoride as F, mg/L	0.7	1.0	1.5	APHA 23 <sup>rd</sup> Edition
13	Iron as Fe, mg/L	0.75	0.3	No relaxation	APHA 23 <sup>rd</sup> 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 <sup>rd</sup> Edition
16	Zinc as Zn, mg/L	1.55	5	15	IS 3025 (Part – 49): 1994 Reaff 2019

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**TEST REPORT**

<b>M/s. Karnataka Industrial Areas Development Board (KIADB).</b> No.49, 4th & 5th Floor, East Wing, Khanija Bhavan, Race Course Road, Bengaluru, Karnataka 560 001.	Report No.	: RE/2021/00035
	Report date	: 06/02/2021
	Reference	: Test Request Form
	Sample receipt date	: 28/01/2021
	Job Order No	: RE/2021/00035
	Date of Sampling	: 28/01/2021
	Analysis start date	: 29/01/2021
Analysis completion date	: 06/02/2021	
Sample Qty: 2 Ltrs	Sampling Protocol	: E/WP/65
<b>Name of the Industrial Area:</b> Sompura Industrial Area, 1st stage (Dobaspeta 3rd phase) & 2nd stage, Sompura Hobli, Nelamangala Taluk, Bangalore Rural District, Karnataka. (Ext- 1358.5 A).		
<b>Sample Particulars:</b> One sample of Borewell Water - Near Beeragondanahalli 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 <sup>rd</sup> Edition
18	Dissolved oxygen, mg/L	3.0	-	-	APHA 23 <sup>rd</sup> Edition

**Note:** BDL for Cr: 0.05, Fe: 0.05, Pb: 0.01, Zn: 0.05, SO<sub>4</sub>: 5.0, NO<sub>3</sub>:5.0, F:0.1.

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

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<b>M/s. Karnataka Industrial Areas Development Board (KIADB).</b> No.49, 4th & 5th Floor, East Wing, Khanija Bhavan, Race Course Road, Bengaluru, Karnataka 560 001.	Report No.	: RE/2021/00036
	Report date	: 06/02/2021
	Reference	: Test Request Form
	Sample receipt date	: 28/01/2021
	Job Order No	: RE/2021/00036
	Date of Sampling	: 28/01/2021
	Analysis start date	: 29/01/2021
	Analysis completion date	: 06/02/2021
Sample Qty: 2 Ltrs	Sampling Protocol	: E/WP/65
<b>Name of the Industrial Area:</b> Sompura Industrial Area, 1st stage (Dobaspet 3rd phase) & 2nd stage, Sompura Hobli, Nelamangala Taluk, Bangalore Rural District, Karnataka. (Ext- 1358.5 A).		
<b>Sample Particulars:</b> One sample of Lake Water - Near Beeragondanahalli Village.		

Sl. No.	Tests	Results	Protocol
<b>Description:</b> Colorless liquid.			
1	Color (hazen units)	<2.0	IS 3025 (Part- 4): 1983 Reaff.2017
2	Odour	Agreeable	IS 3025 (Part – 5): 1983 Reaff.2018
3	pH Value	8.1	IS 3025 (Part – 11): 1983 Reaff.2017
4	Turbidity, NTU	9.2	IS 3025 (Part – 10): 1984 Reaff.2017
5	Chloride as Cl, mg/L	83.9	IS 3025 (Part – 32): 1988 Reaff.2019
6	Total hardness as CaCO <sub>3</sub> , mg/L	10.3	IS 3025 (Part – 21): 2009 Reaff.2019
7	Calcium as Ca, mg/L	26.6	IS 3025 (Part – 40): 1991 Reaff.2019
8	Magnesium as Mg, mg/L	9.01	IS 3025 (Part – 46): 1994 Reaff.2019
9	Total dissolved Solids, mg/L	80.0	IS 3025 (Part – 16): 1984 Reaff.2017
10	Sulphate as SO <sub>4</sub> , mg/L	3.9	IS 3025 (Part – 24): 1986 Reaff.2019
11	Nitrate as NO <sub>3</sub> , mg/L	0.6	APHA 23 <sup>rd</sup> Edition
12	Fluoride as F, mg/L	0.3	APHA 23 <sup>rd</sup> Edition
13	Iron as Fe, mg/L	0.29	APHA 23 <sup>rd</sup> Edition
14	Lead as Pb, mg/L	BDL	IS 3025 (Part – 47): 1994 Reaff 2019
15	Copper as Cu, mg/L	BDL	APHA 23 <sup>rd</sup> Edition
16	Zinc as Zn, mg/L	BDL	IS 3025 (Part – 49): 1994 Reaff 2019

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<b>M/s. Karnataka Industrial Areas Development Board (KIADB).</b> No.49, 4th & 5th Floor, East Wing, Khanija Bhavan, Race Course Road, Bengaluru, Karnataka 560 001.	Report No.	: RE/2021/00036
	Report date	: 06/02/2021
	Reference	: Test Request Form
	Sample receipt date	: 28/01/2021
	Job Order No	: RE/2021/00036
	Date of Sampling	: 28/01/2021
	Analysis start date	: 29/01/2021
	Analysis completion date	: 06/02/2021
<b>Sample Qty: 2 Ltrs</b>	Sampling Protocol	: E/WP/65
<b>Name of the Industrial Area:</b> Sompura Industrial Area, 1st stage (Dobaspeta 3rd phase) & 2nd stage, Sompura Hobli, Nelamangala Taluk, Bangalore Rural District, Karnataka. (Ext- 1358.5 A).		
<b>Sample Particulars:</b> One sample of Lake Water - Near Beeragondanahalli Village.		

Sl. No.	Tests	Results	Protocol
17	Chromium as Cr, mg/L	BDL	APHA 23 <sup>rd</sup> Edition
18	Dissolved oxygen, mg/L	3.1	APHA 23 <sup>rd</sup> Edition

**Note:** BDL for Cr: 0.05, Fe: 0.05, Pb: 0.01, Zn:0.05, SO<sub>4</sub>: 5.0, NO<sub>3</sub>:5.0, F:0.1.

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**TEST REPORT**



<b>M/s. Karnataka Industrial Areas Development Board (KIADB).</b> No.49, 4th & 5th Floor, East Wing, Khanija Bhavan, Race Course Road, Bengaluru, Karnataka 560 001.	Report No.	: RE/2021/00037
	Report date	: 06/02/2021
	Reference	: Test Request Form
	Sample receipt date	: 28/01/2021
	Job Order No	: RE/2021/00037
	Date of Sampling	: 28/01/2021
	Analysis start date	: 29/01/2021
	Analysis completion date	: 06/02/2021
<b>Sample Qty: 2 Ltrs</b>	Sampling Protocol	: E/WP/65
<b>Name of the Industrial Area:</b> Sompura Industrial Area, 1st stage (Dobaspeth 3rd phase) & 2nd stage, Sompura Hobli, Nelamangala Taluk, Bangalore Rural District, Karnataka. (Ext- 1358.5 A).		
<b>Sample Particulars:</b> One sample of Borewell Water – Near Pemmanahalli village.		

Sl. No.	Tests	Results	Maximum Desirable Limit IS 10500: 2012	Maximum Permissible Limit IS 10500: 2012	Protocol
<b>Description:</b> Colorless liquid.					
1	Color (hazen units)	<2.0	5	15	IS 3025 (Part- 4): 1983 Reaff.2017
2	Odour	Agreeable	Agreeable	Agreeable	IS 3025 (Part – 5): 1983 Reaff.2018
3	pH Value	7.4	6.5 – 8.5	No relaxation	IS 3025 (Part – 11): 1983 Reaff.2017
4	Turbidity, NTU	0.7	1	5	IS 3025 (Part – 10): 1984 Reaff.2017
5	Chloride as Cl, mg/L	113.4	250	1000	IS 3025 (Part – 32): 1988 Reaff.2019
6	Total hardness as CaCO <sub>3</sub> , mg/L	478.8	200	600	IS 3025 (Part – 21): 2009 Reaff.2019
7	Calcium as Ca, mg/L	58.3	75	200	IS 3025 (Part – 40): 1991 Reaff.2019
8	Magnesium as Mg, mg/L	81.2	30	100	IS 3025 (Part – 46): 1994 Reaff.2019
9	Total dissolved Solids, mg/L	666.0	500	2000	IS 3025 (Part – 16): 1984 Reaff.2017
10	Sulphate as SO <sub>4</sub> , mg/L	41.2	200	400	IS 3025 (Part – 24): 1986 Reaff.2019
11	Nitrate as NO <sub>3</sub> , mg/L	1.5	45.0	No relaxation	APHA 23 <sup>rd</sup> Edition
12	Fluoride as F, mg/L	1.1	1.0	1.5	APHA 23 <sup>rd</sup> Edition
13	Iron as Fe, mg/L	BDL	0.3	No relaxation	APHA 23 <sup>rd</sup> 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 <sup>rd</sup> Edition
16	Zinc as Zn, mg/L	BDL	5	15	IS 3025 (Part – 49): 1994 Reaff 2019

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<b>M/s. Karnataka Industrial Areas Development Board (KIADB).</b> No.49, 4th & 5th Floor, East Wing, Khanija Bhavan, Race Course Road, Bengaluru, Karnataka 560 001.	Report No.	: RE/2021/00037
	Report date	: 06/02/2021
	Reference	: Test Request Form
	Sample receipt date	: 28/01/2021
	Job Order No	: RE/2021/00037
	Date of Sampling	: 28/01/2021
	Analysis start date	: 29/01/2021
	Analysis completion date	: 06/02/2021
Sample Qty: 2 Ltrs	Sampling Protocol	: E/WP/65
<b>Name of the Industrial Area:</b> Sompura Industrial Area, 1st stage (Dobaspeta 3rd phase) & 2nd stage, Sompura Hobli, Nelamangala Taluk, Bangalore Rural District, Karnataka. (Ext- 1358.5 A).		
<b>Sample Particulars:</b> One sample of Borewell Water - Near Pemmanahalli 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 <sup>rd</sup> Edition
18	Dissolved oxygen, mg/L	3.2	-	-	APHA 23 <sup>rd</sup> Edition

**Note:** BDL for Cr: 0.05, Fe: 0.05, Pb: 0.01, Zn: 0.05, SO<sub>4</sub>: 5.0, NO<sub>3</sub>:5.0, F: 0.1.

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

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**TEST REPORT**



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

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

Report No.	: RE/2021/00038
Report date	: 06/02/2021
Reference	: Test Request Form
Sample receipt date	: 28/01/2021
Job Order No	: RE/2021/00038
Date of Sampling	: 28/01/2021
Analysis start date	: 29/01/2021
Analysis completion date	: 06/02/2021
Sampling Protocol	: E/WP/65

**Sample Qty: 2 Ltrs**

**Name of the Industrial Area:** Sompura Industrial Area, 1st stage (Dobaspet 3rd phase) & 2nd stage, Sompura Hobli, Nelamangala Taluk, Bangalore Rural District, Karnataka. (Ext- 1358.5 A).

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

Sl. No.	Tests	Results	Maximum Desirable Limit IS 10500: 2012	Maximum Permissible Limit IS 10500: 2012	Protocol
<b>Description:</b> 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	7.9	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	107.9	250	1000	IS 3025 (Part – 32): 1988 Reaff.2019
6	Total hardness as CaCO <sub>3</sub> , mg/L	549.6	200	600	IS 3025 (Part – 21): 2009 Reaff.2019
7	Calcium as Ca, mg/L	18.3	75	200	IS 3025 (Part – 40): 1991 Reaff.2019
8	Magnesium as Mg, mg/L	122.5	30	100	IS 3025 (Part – 46): 1994 Reaff.2019
9	Total dissolved Solids, mg/L	134.0	500	2000	IS 3025 (Part – 16): 1984 Reaff.2017
10	Sulphate as SO <sub>4</sub> , mg/L	1.23	200	400	IS 3025 (Part – 24): 1986 Reaff.2019
11	Nitrate as NO <sub>3</sub> , mg/L	6.5	45.0	No relaxation	APHA 23 <sup>rd</sup> Edition
12	Fluoride as F, mg/L	BDL	1.0	1.5	APHA 23 <sup>rd</sup> Edition
13	Iron as Fe, mg/L	0.51	0.3	No relaxation	APHA 23 <sup>rd</sup> 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 <sup>rd</sup> Edition
16	Zinc as Zn, mg/L	BDL	5	15	IS 3025 (Part – 49): 1994 Reaff 2019

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**TEST REPORT**

<b>M/s. Karnataka Industrial Areas Development Board (KIADB).</b> No.49, 4th & 5th Floor, East Wing, Khanija Bhavan, Race Course Road, Bengaluru, Karnataka 560 001.	Report No.	: RE/2021/00038
	Report date	: 06/02/2021
	Reference	: Test Request Form
	Sample receipt date	: 28/01/2021
	Job Order No	: RE/2021/00038
	Date of Sampling	: 28/01/2021
	Analysis start date	: 29/01/2021
	Analysis completion date	: 06/02/2021
<b>Sample Qty: 2 Ltrs</b>	Sampling Protocol	: E/WP/65
<b>Name of the Industrial Area:</b> Sompura Industrial Area, 1st stage (Dobaspeth 3rd phase) & 2nd stage, Sompura Hobli, Nelamangala Taluk, Bangalore Rural District, Karnataka. (Ext- 1358.5 A).		
<b>Sample Particulars:</b> One sample of Borewell Water - Near Hosahalli 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 <sup>rd</sup> Edition
18	Dissolved oxygen, mg/L	2.95	-	-	APHA 23 <sup>rd</sup> Edition

**Note:** BDL for Cr: 0.05, Fe: 0.05, Pb: 0.01, Zn:0.05, SO<sub>4</sub>: 5.0, NO<sub>3</sub>:5.0, F:0.1.

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

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

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

Report No.	: RE/2021/00039
Report date	: 06/02/2021
Reference	: Test Request Form
Sample receipt date	: 28/01/2021
Job Order No	: RE/2021/00039
Date of Sampling	: 28/01/2021
Analysis start date	: 29/01/2021
Analysis completion date	: 06/02/2021
Sampling Protocol	: E/WP/65

Sample Qty: 2 Ltrs

Name of the Industrial Area: Sompura Industrial Area, 1st stage (Dobaspet 3rd phase) & 2nd stage, Sompura Hobli, Nelamangala Taluk, Bangalore Rural District, Karnataka. (Ext- 1358.5 A).

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

Sl. No.	Tests	Results	Maximum Desirable Limit IS 10500: 2012	Maximum Permissible Limit IS 10500: 2012	Protocol
<b>Description:</b> 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	0.3	1	5	IS 3025 (Part – 10): 1984 Reaff.2017
5	Chloride as Cl, mg/L	126.3	250	1000	IS 3025 (Part – 32): 1988 Reaff.2019
6	Total hardness as CaCO <sub>3</sub> , mg/L	204.0	200	600	IS 3025 (Part – 21): 2009 Reaff.2019
7	Calcium as Ca, mg/L	35.0	75	200	IS 3025 (Part – 40): 1991 Reaff.2019
8	Magnesium as Mg, mg/L	28.5	30	100	IS 3025 (Part – 46): 1994 Reaff.2019
9	Total dissolved Solids, mg/L	186.0	500	2000	IS 3025 (Part – 16): 1984 Reaff.2017
10	Sulphate as SO <sub>4</sub> , mg/L	11.44	200	400	IS 3025 (Part – 24): 1986 Reaff.2019
11	Nitrate as NO <sub>3</sub> , mg/L	7.9	45.0	No relaxation	APHA 23 <sup>rd</sup> Edition
12	Fluoride as F, mg/L	BDL	1.0	1.5	APHA 23 <sup>rd</sup> Edition
13	Iron as Fe, mg/L	BDL	0.3	No relaxation	APHA 23 <sup>rd</sup> 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 <sup>rd</sup> Edition
16	Zinc as Zn, mg/L	BDL	5	15	IS 3025 (Part – 49): 1994 Reaff 2019

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**TEST REPORT**

<b>M/s. Karnataka Industrial Areas Development Board (KIADB).</b> No.49, 4th & 5th Floor, East Wing, Khanija Bhavan, Race Course Road, Bengaluru, Karnataka 560 001.	Report No.	: RE/2021/00039
	Report date	: 06/02/2021
	Reference	: Test Request Form
	Sample receipt date	: 28/01/2021
	Job Order No	: RE/2021/00039
	Date of Sampling	: 28/01/2021
	Analysis start date	: 29/01/2021
	Analysis completion date	: 06/02/2021
<b>Sample Qty: 2 Ltrs</b>	Sampling Protocol	: E/WP/65
<b>Name of the Industrial Area:</b> Sompura Industrial Area, 1st stage (Dobaspet 3rd phase) & 2nd stage, Sompura Hobli, Nelamangala Taluk, Bangalore Rural District, Karnataka. (Ext- 1358.5 A).		
<b>Sample Particulars:</b> One sample of Borewell Water - Near Niduvanda 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 <sup>rd</sup> Edition
18	Dissolved oxygen, mg/L	3.34	-	-	APHA 23 <sup>rd</sup> Edition

**Note:** BDL for Cr: 0.05, Fe: 0.05, Pb: 0.01, Zn:0.05, SO<sub>4</sub>: 5.0, NO<sub>3</sub>:5.0, F:0.1.

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

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

No.49, 4th & 5th Floor, East Wing, Khanija Bhavan,  
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Report No.	: RE/2021/00040
Report date	: 06/02/2021
Reference	: Test Request Form
Sample receipt date	: 28/01/2021
Job Order No	: RE/2021/00040
Date of Sampling	: 28/01/2021
Analysis start date	: 29/01/2021
Analysis completion date	: 06/02/2021
Sampling Protocol	: E/WP/65

Sample Qty: 2 Ltrs

Name of the Industrial Area: Sompura Industrial Area, 1st stage (Dobaspeta 3rd phase) & 2nd stage, Sompura Hobli, Nelamangala Taluk, Bangalore Rural District, Karnataka. (Ext- 1358.5 A).

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

Sl. No.	Tests	Results	Maximum Desirable Limit IS 10500: 2012	Maximum Permissible Limit IS 10500: 2012	Protocol
<b>Description:</b> 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	7.47	6.5 – 8.5	No relaxation	IS 3025 (Part – 11): 1983 Reaff.2017
4	Turbidity, NTU	0	1	5	IS 3025 (Part – 10): 1984 Reaff.2017
5	Chloride as Cl, mg/L	112.1	250	1000	IS 3025 (Part – 32): 1988 Reaff.2019
6	Total hardness as CaCO <sub>3</sub> , mg/L	374.7	200	600	IS 3025 (Part – 21): 2009 Reaff.2019
7	Calcium as Ca, mg/L	80.0	75	200	IS 3025 (Part – 40): 1991 Reaff.2019
8	Magnesium as Mg, mg/L	42.9	30	100	IS 3025 (Part – 46): 1994 Reaff.2019
9	Total dissolved Solids, mg/L	418.0	500	2000	IS 3025 (Part – 16): 1984 Reaff.2017
10	Sulphate as SO <sub>4</sub> , mg/L	25.29	200	400	IS 3025 (Part – 24): 1986 Reaff.2019
11	Nitrate as NO <sub>3</sub> , mg/L	8.6	45.0	No relaxation	APHA 23 <sup>rd</sup> Edition
12	Fluoride as F, mg/L	BDL	1.0	1.5	APHA 23 <sup>rd</sup> Edition
13	Iron as Fe, mg/L	BDL	0.3	No relaxation	APHA 23 <sup>rd</sup> 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 <sup>rd</sup> Edition
16	Zinc as Zn, mg/L	0.09	5	15	IS 3025 (Part – 49): 1994 Reaff 2019

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### TEST REPORT

<b>M/s. Karnataka Industrial Areas Development Board (KIADB).</b> No.49, 4th & 5th Floor, East Wing, Khanija Bhavan, Race Course Road, Bengaluru, Karnataka 560 001.	Report No.	: RE/2021/00040
	Report date	: 06/02/2021
	Reference	: Test Request Form
	Sample receipt date	: 28/01/2021
	Job Order No	: RE/2021/00040
	Date of Sampling	: 28/01/2021
	Analysis start date	: 29/01/2021
Analysis completion date	: 06/02/2021	
Sampling Protocol	: E/WP/65	
<b>Sample Qty: 2 Ltrs</b>		
<b>Name of the Industrial Area:</b> Sompura Industrial Area, 1st stage (Dobaspeta 3rd phase) & 2nd stage, Sompura Hobli, Nelamangala Taluk, Bangalore Rural District, Karnataka. (Ext- 1358.5 A).		
<b>Sample Particulars:</b> One sample of <b>Borewell Water - Near Laxmanapura village.</b>		

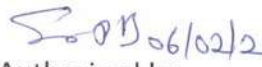
Sl. No.	Tests	Results	Maximum Desirable Limit IS 10500: 2012	Maximum Permissible Limit IS 10500: 2012	Protocol
17	Chromium as Cr, mg/L	BDL	0.05	No relaxation	APHA 23 <sup>rd</sup> Edition
18	Dissolved oxygen, mg/L	2.36	-	-	APHA 23 <sup>rd</sup> Edition

**Note:** BDL for Cr: 0.05, Fe: 0.05, Pb: 0.01, Zn: 0.05, SO<sub>4</sub>: 5.0, NO<sub>3</sub>:5.0, F:0.1.

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

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### TEST REPORT



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

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

Report No.	: RE/2021/00041
Report date	: 06/02/2021
Reference	: Test Request Form
Sample receipt date	: 28/01/2021
Job Order No	: RE/2021/00041
Date of Sampling	: 28/01/2021
Analysis start date	: 29/01/2021
Analysis completion date	: 06/02/2021
Sampling Protocol	: E/WP/65

Sample Qty: 2 Ltrs

Name of the Industrial Area: Sompura Industrial Area, 1st stage (Dobaspeta 3rd phase) & 2nd stage, Sompura Hobli, Nelamangala Taluk, Bangalore Rural District, Karnataka. (Ext- 1358.5 A).

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

Sl. No.	Tests	Results	Maximum Desirable Limit IS 10500: 2012	Maximum Permissible Limit IS 10500: 2012	Protocol
<b>Description:</b> 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	8.1	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	98.3	250	1000	IS 3025 (Part – 32): 1988 Reaff.2019
6	Total hardness as CaCO <sub>3</sub> , mg/L	99.9	200	600	IS 3025 (Part – 21): 2009 Reaff.2019
7	Calcium as Ca, mg/L	36.3	75	200	IS 3025 (Part – 40): 1991 Reaff.2019
8	Magnesium as Mg, mg/L	2.2	30	100	IS 3025 (Part – 46): 1994 Reaff.2019
9	Total dissolved Solids, mg/L	218.0	500	2000	IS 3025 (Part – 16): 1984 Reaff.2017
10	Sulphate as SO <sub>4</sub> , mg/L	30.4	200	400	IS 3025 (Part – 24): 1986 Reaff.2019
11	Nitrate as NO <sub>3</sub> , mg/L	1.3	45.0	No relaxation	APHA 23 <sup>rd</sup> Edition
12	Fluoride as F, mg/L	0.5	1.0	1.5	APHA 23 <sup>rd</sup> Edition
13	Iron as Fe, mg/L	BDL	0.3	No relaxation	APHA 23 <sup>rd</sup> 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 <sup>rd</sup> Edition
16	Zinc as Zn, mg/L	BDL	5	15	IS 3025 (Part – 49): 1994 Reaff 2019

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<b>M/s. Karnataka Industrial Areas Development Board (KIADB).</b> No.49, 4th & 5th Floor, East Wing, Khanija Bhavan, Race Course Road, Bengaluru, Karnataka 560 001.	Report No.	: RE/2021/00041
	Report date	: 06/02/2021
	Reference	: Test Request Form
	Sample receipt date	: 28/01/2021
	Job Order No	: RE/2021/00041
	Date of Sampling	: 28/01/2021
	Analysis start date	: 29/01/2021
Analysis completion date	: 06/02/2021	
Sampling Protocol	: E/WP/65	
<b>Sample Qty: 2 Ltrs</b>		
<b>Name of the Industrial Area:</b> Sompura Industrial Area, 1st stage (Dobaspeta 3rd phase) & 2nd stage, Sompura Hobli, Nelamangala Taluk, Bangalore Rural District, Karnataka. (Ext- 1358.5 A).		
<b>Sample Particulars:</b> One sample of <b>Borewell Water - Near Bhartipura village.</b>		

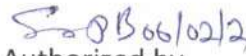
Sl. No.	Tests	Results	Maximum Desirable Limit IS 10500: 2012	Maximum Permissible Limit IS 10500: 2012	Protocol
17	Chromium as Cr, mg/L	BDL	0.05	No relaxation	APHA 23 <sup>rd</sup> Edition
18	Dissolved oxygen, mg/L	2.6	-	-	APHA 23 <sup>rd</sup> Edition

**Note:** BDL for Cr: 0.05, Fe: 0.05, Pb: 0.01, Zn: 0.05, SO<sub>4</sub>: 5.0, NO<sub>3</sub>: 5.0, F: 0.1.

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

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	Report date	: 06/02/2021
	Reference	: Test Request Form
	Sample receipt date	: 28/01/2021
	Job Order No	: RE/2021/00042
	Date of Sampling	: 28/01/2021
	Analysis start date	: 29/01/2021
Analysis completion date	: 06/02/2021	
Sample Qty: 2 Ltrs	Sampling Protocol	: E/WP/65
<b>Name of the Industrial Area:</b> Sompura Industrial Area, 1st stage (Dobaspet 3rd phase) & 2nd stage, Sompura Hobli, Nelamangala Taluk, Bangalore Rural District, Karnataka. (Ext- 1358.5 A).		
<b>Sample Particulars:</b> One sample of Lake Water - Near Niduvanda village.		

Sl. No.	Tests	Results	Protocol
<b>Description:</b> Colorless liquid.			
1	Color (hazen units)	<2.0	IS 3025 (Part- 4): 1983 Reaff.2017
2	Odour	Agreeable	IS 3025 (Part – 5): 1983 Reaff.2018
3	pH Value	8.3	IS 3025 (Part – 11): 1983 Reaff.2017
4	Turbidity, NTU	11.3	IS 3025 (Part – 10): 1984 Reaff.2017
5	Chloride as Cl, mg/L	113.1	IS 3025 (Part – 32): 1988 Reaff.2019
6	Total hardness as CaCO <sub>3</sub> , mg/L	108.2	IS 3025 (Part – 21): 2009 Reaff.2019
7	Calcium as Ca, mg/L	26.6	IS 3025 (Part – 40): 1991 Reaff.2019
8	Magnesium as Mg, mg/L	19.8	IS 3025 (Part – 46): 1994 Reaff.2019
9	Total dissolved Solids, mg/L	226.0	IS 3025 (Part – 16): 1984 Reaff.2017
10	Sulphate as SO <sub>4</sub> , mg/L	16.0	IS 3025 (Part – 24): 1986 Reaff.2019
11	Nitrate as NO <sub>3</sub> , mg/L	3.5	APHA 23 <sup>rd</sup> Edition
12	Fluoride as F, mg/L	0.2	APHA 23 <sup>rd</sup> Edition
13	Iron as Fe, mg/L	0.07	APHA 23 <sup>rd</sup> Edition
14	Lead as Pb, mg/L	BDL	IS 3025 (Part – 47): 1994 Reaff 2019
15	Copper as Cu, mg/L	BDL	APHA 23 <sup>rd</sup> Edition
16	Zinc as Zn, mg/L	BDL	IS 3025 (Part – 49): 1994 Reaff 2019

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	Report date	: 06/02/2021
	Reference	: Test Request Form
	Sample receipt date	: 28/01/2021
	Job Order No	: RE/2021/00042
	Date of Sampling	: 28/01/2021
	Analysis start date	: 29/01/2021
	Analysis completion date	: 06/02/2021
Sample Qty: 2 Ltrs	Sampling Protocol	: E/WP/65
<b>Name of the Industrial Area:</b> Sompura Industrial Area, 1st stage (Dobaspeth 3rd phase) & 2nd stage, Sompura Hobli, Nelamangala Taluk, Bangalore Rural District, Karnataka. (Ext- 1358.5 A).		
<b>Sample Particulars:</b> One sample of Lake Water - Near Niduvanda village.		

Sl. No.	Tests	Results	Protocol
17	Chromium as Cr, mg/L	BDL	APHA 23 <sup>rd</sup> Edition
18	Dissolved oxygen, mg/L	3.0	APHA 23 <sup>rd</sup> Edition

**Note:** BDL for Cr: 0.05, Fe: 0.05, Pb: 0.01, Zn: 0.05, SO<sub>4</sub>: 5.0, NO<sub>3</sub>:5.0, F: 0.1.

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### TEST REPORT



<b>M/s. Karnataka Industrial Areas Development Board (KIADB).</b> No. 49, 4th & 5th Floor, East Wing, Khanija Bhavan, Race Course Road, Bengaluru, Karnataka 560 001.	Report No.	: RE/2021/00043
	Report date	: 06/02/2021
	Reference	: Test Request Form
	Sample receipt date	: 28/01/2021
	Job Order No	: RE/2021/00043
	Date of Sampling	: 28/01/2021
	Analysis start date	: 29/01/2021
	Analysis completion date	: 06/02/2021
<b>Sample Qty: 1kg</b>	Sampling Protocol	: E/WP/77
<b>Name of the Industrial Area:</b> Sompura Industrial Area, 1st stage (Dobaspet 3rd phase) & 2nd stage, Sompura Hobli, Nelamangala Taluk, Bangalore Rural District, Karnataka. (Ext- 1358.5 A).		
<b>Sample Particulars:</b> One Soil Sample- Near Beeragondanahalli village.		

Sl. No.	Test	Result	Protocol
<b>Description:</b> Brown Colored Soil.			
1	pH (20% Suspension)	7.4	Practical Manual for Hands on training GKV Bengaluru
2	Conductivity, $\mu$ mhos/cm	57.0	Practical Manual for Hands on training GKV Bengaluru
3	Chloride as Cl, mg/Kg	533.0	Practical Manual for Hands on training GKV Bengaluru
4	Moisture, %	5.9	Practical Manual for Hands on training GKV Bengaluru
5	Organic Matter, %	0.4	Practical Manual for Hands on training GKV Bengaluru
6	Calcium as Ca, mg/Kg	18.9	Practical Manual for Hands on training GKV Bengaluru
7	Magnesium Mg, mg/Kg	207.6	Practical Manual for Hands on training GKV Bengaluru

  
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	Report date	: 06/02/2021
	Reference	: Test Request Form
	Sample receipt date	: 28/01/2021
	Job Order No	: RE/2021/00043
	Date of Sampling	: 28/01/2021
	Analysis start date	: 29/01/2021
	Analysis completion date	: 06/02/2021
Sample Qty: 1kg	Sampling Protocol	: E/WP/77
<b>Name of the Industrial Area:</b> Sompura Industrial Area, 1st stage (Dobaspet 3rd phase) & 2nd stage, Sompura Hobli, Nelamangala Taluk, Bangalore Rural District, Karnataka. (Ext- 1358.5 A).		
<b>Sample Particulars:</b> One Soil Sample- Near Beeragondanahalli village.		

Sl. No.	Test	Result	Protocol
8	Colour	Brown	Practical Manual for Hands on training GKV Bengaluru
9	Sulphur as S, mg/Kg	5.4	Practical Manual for Hands on training GKV Bengaluru
10	Nitrogen as N, %	0.008	Practical Manual for Hands on training GKV Bengaluru
11	Phosphorous as P, mg/Kg	3.8	Practical Manual for Hands on training GKV Bengaluru
12	Potassium as K, mg/Kg	117.1	Practical Manual for Hands on training GKV Bengaluru
13	Copper as Cu, mg/Kg	14.57	Practical Manual for Hands on training GKV Bengaluru
14	Chromium as Cr, mg/Kg	3.68	Practical Manual for Hands on training GKV Bengaluru
15	Zinc as Zn, mg/Kg	19.09	Practical Manual for Hands on training GKV Bengaluru
16	Lead as Pb, mg/Kg	9.29	Practical Manual for Hands on training GKV Bengaluru
17	Nickel as Ni, mg/Kg	6.54	Practical Manual for Hands on training GKV Bengaluru
18	Cadmium as Cd, mg/Kg	<0.1	Practical Manual for Hands on training GKV Bengaluru

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	Report date	: 06/02/2021
	Reference	: Test Request Form
	Sample receipt date	: 28/01/2021
	Job Order No	: RE/2021/00044
	Date of Sampling	: 28/01/2021
	Analysis start date	: 29/01/2021
	Analysis completion date	: 06/02/2021
<b>Sample Qty: 1kg</b>	Sampling Protocol	: E/WP/77
<b>Name of the Industrial Area:</b> Sompura Industrial Area, 1st stage (Dobaspet 3rd phase) & 2nd stage, Sompura Hobli, Nelamangala Taluk, Bangalore Rural District, Karnataka. (Ext- 1358.5 A).		
<b>Sample Particulars:</b> One Soil Sample- Near Pemmanahalli village.		

Sl. No.	Test	Result	Protocol
<b>Description:</b> Brown Colored Soil.			
1	pH (20% Suspension)	6.76	Practical Manual for Hands on training GVKV Bengaluru
2	Conductivity, $\mu$ mhos/cm	48.0	Practical Manual for Hands on training GVKV Bengaluru
3	Chloride as Cl, mg/Kg	357.9	Practical Manual for Hands on training GVKV Bengaluru
4	Moisture, %	4.5	Practical Manual for Hands on training GVKV Bengaluru
5	Organic Matter, %	0.23	Practical Manual for Hands on training GVKV Bengaluru
6	Calcium as Ca, mg/Kg	18.9	Practical Manual for Hands on training GVKV Bengaluru
7	Magnesium Mg, mg/Kg	122.4	Practical Manual for Hands on training GVKV Bengaluru

  
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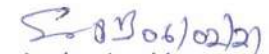
### TEST REPORT

<b>M/s. Karnataka Industrial Areas Development Board (KIADB).</b> No. 49, 4th & 5th Floor, East Wing, Khanija Bhavan, Race Course Road, Bengaluru, Karnataka 560 001.	Report No.	: RE/2021/00044
	Report date	: 06/02/2021
	Reference	: Test Request Form
	Sample receipt date	: 28/01/2021
	Job Order No	: RE/2021/00044
	Date of Sampling	: 28/01/2021
	Analysis start date	: 29/01/2021
	Analysis completion date	: 06/02/2021
<b>Sample Qty: 1kg</b>	Sampling Protocol	: E/WP/77
<b>Name of the Industrial Area:</b> Sompura Industrial Area, 1st stage (Dobaspet 3rd phase) & 2nd stage, Sompura Hobli, Nelamangala Taluk, Bangalore Rural District, Karnataka. (Ext- 1358.5 A).		
<b>Sample Particulars:</b> One Soil Sample- Near Pemmanahalli village.		

Sl. No.	Test	Result	Protocol
8	Colour	Reddish Brown	Practical Manual for Hands on training GKV Bengaluru
9	Sulphur as S, mg/Kg	5.1	Practical Manual for Hands on training GKV Bengaluru
10	Nitrogen as N, %	0.006	Practical Manual for Hands on training GKV Bengaluru
11	Phosphorous as/Kg	2.6	Practical Manual for Hands on training GKV Bengaluru
12	Potassium as K, mg/Kg	109.8	Practical Manual for Hands on training GKV Bengaluru
13	Copper as Cu, mg/Kg	8.7	Practical Manual for Hands on training GKV Bengaluru
14	Chromium as Cr, mg/Kg	7.2	Practical Manual for Hands on training GKV Bengaluru
15	Zinc as Zn, mg/Kg	22.5	Practical Manual for Hands on training GKV Bengaluru
16	Lead as Pb, mg/Kg	17.5	Practical Manual for Hands on training GKV Bengaluru
17	Nickel as Ni, mg/Kg	4.9	Practical Manual for Hands on training GKV Bengaluru
18	Cadmium as Cd, mg/Kg	<0.1	Practical Manual for Hands on training GKV Bengaluru

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**TEST REPORT**



<b>M/s. Karnataka Industrial Areas Development Board (KIADB).</b> No. 49, 4th & 5th Floor, East Wing, Khanija Bhavan, Race Course Road, Bengaluru, Karnataka 560 001.	Report No.	: RE/2021/00045
	Report date	: 06/02/2021
	Reference	: Test Request Form
	Sample receipt date	: 28/01/2021
	Job Order No	: RE/2021/00045
	Date of Sampling	: 28/01/2021
	Analysis start date	: 29/01/2021
	Analysis completion date	: 06/02/2021
<b>Sample Qty: 1kg</b>	Sampling Protocol	: E/WP/77
<b>Name of the Industrial Area:</b> Sompura Industrial Area, 1st stage (Dobaspet 3rd phase) & 2nd stage, Sompura Hobli, Nelamangala Taluk, Bangalore Rural District, Karnataka. (Ext- 1358.5 A).		
<b>Sample Particulars:</b> One Soil Sample- Near Niduvanda village.		

Sl. No.	Test	Result	Protocol
<b>Description:</b> Brown Colored Soil.			
1	pH (20% Suspension)	7.0	Practical Manual for Hands on training GKVK Bengaluru
2	Conductivity, $\mu$ mhos/cm	106.0	Practical Manual for Hands on training GKVK Bengaluru
3	Chloride as Cl, mg/Kg	698.2	Practical Manual for Hands on training GKVK Bengaluru
4	Moisture, %	6.3	Practical Manual for Hands on training GKVK Bengaluru
5	Organic Matter, %	0.2	Practical Manual for Hands on training GKVK Bengaluru
6	Calcium as Ca, mg/Kg	519.9	Practical Manual for Hands on training GKVK Bengaluru
7	Magnesium Mg, mg/Kg	29.2	Practical Manual for Hands on training GKVK Bengaluru

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**TEST REPORT**

<b>M/s. Karnataka Industrial Areas Development Board (KIADB).</b> No. 49, 4th & 5th Floor, East Wing, Khanija Bhavan, Race Course Road, Bengaluru, Karnataka 560 001.	Report No.	: RE/2021/00045
	Report date	: 06/02/2021
	Reference	: Test Request Form
	Sample receipt date	: 28/01/2021
	Job Order No	: RE/2021/00045
	Date of Sampling	: 28/01/2021
	Analysis start date	: 29/01/2021
	Analysis completion date	: 06/02/2021
<b>Sample Qty: 1kg</b>	Sampling Protocol	: E/WP/77
<b>Name of the Industrial Area:</b> Sompura Industrial Area, 1st stage (Dobaspet 3rd phase) & 2nd stage, Sompura Hobli, Nelamangala Taluk, Bangalore Rural District, Karnataka. (Ext- 1358.5 A).		
<b>Sample Particulars:</b> One Soil Sample- Near Niduvanda village.		

Sl. No.	Test	Result	Protocol
8	Colour	Brown	Practical Manual for Hands on training GKVK Bengaluru
9	Sulphur as S, mg/Kg	12.5	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/Kg	1.4	Practical Manual for Hands on training GKVK Bengaluru
12	Potassium as K, mg/Kg	128.4	Practical Manual for Hands on training GKVK Bengaluru
13	Copper as Cu, mg/Kg	13.8	Practical Manual for Hands on training GKVK Bengaluru
14	Chromium as Cr, mg/Kg	9.86	Practical Manual for Hands on training GKVK Bengaluru
15	Zinc as Zn, mg/Kg	27.0	Practical Manual for Hands on training GKVK Bengaluru
16	Lead as Pb, mg/Kg	5.20	Practical Manual for Hands on training GKVK Bengaluru
17	Nickel as Ni, mg/Kg	11.26	Practical Manual for Hands on training GKVK Bengaluru
18	Cadmium as Cd, mg/Kg	<0.1	Practical Manual for Hands on training GKVK Bengaluru

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<b>M/s. Karnataka Industrial Areas Development Board (KIADB).</b> No. 49, 4th & 5th Floor, East Wing, Khanija Bhavan, Race Course Road, Bengaluru, Karnataka 560 001.	Report No.	: RE/2021/00046
	Report date	: 06/02/2021
	Reference	: Test Request Form
	Sample receipt date	: 28/01/2021
	Job Order No	: RE/2021/00046
	Date of Sampling	: 28/01/2021
	Analysis start date	: 29/01/2021
	Analysis completion date	: 06/02/2021
Sample Qty: 1kg	Sampling Protocol	: E/WP/77
<b>Name of the Industrial Area:</b> Sompura Industrial Area, 1st stage (Dobaspet 3rd phase) & 2nd stage, Sompura Hobli, Nelamangala Taluk, Bangalore Rural District, Karnataka. (Ext- 1358.5 A).		
<b>Sample Particulars:</b> One Soil Sample- Near Madenahalli Village.		

Sl. No.	Test	Result	Protocol
<b>Description:</b> Brown Colored Soil.			
1	pH (20% Suspension)	7.1	Practical Manual for Hands on training GKV Bengaluru
2	Conductivity, $\mu$ mhos/cm	116.0	Practical Manual for Hands on training GKV Bengaluru
3	Chloride as Cl, mg/Kg	896.7	Practical Manual for Hands on training GKV Bengaluru
4	Moisture, %	4.1	Practical Manual for Hands on training GKV Bengaluru
5	Organic Matter, %	0.2	Practical Manual for Hands on training GKV Bengaluru
6	Calcium as Ca, mg/Kg	18.5	Practical Manual for Hands on training GKV Bengaluru
7	Magnesium Mg, mg/Kg	232.8	Practical Manual for Hands on training GKV Bengaluru

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	Report date	: 06/02/2021
	Reference	: Test Request Form
	Sample receipt date	: 28/01/2021
	Job Order No	: RE/2021/00046
	Date of Sampling	: 28/01/2021
	Analysis start date	: 29/01/2021
	Analysis completion date	: 06/02/2021
<b>Sample Qty: 1kg</b>	Sampling Protocol	: E/WP/77
<b>Name of the Industrial Area:</b> Sompura Industrial Area, 1st stage (Dobaspet 3rd phase) & 2nd stage, Sompura Hobli, Nelamangala Taluk, Bangalore Rural District, Karnataka. (Ext- 1358.5 A).		
<b>Sample Particulars:</b> One Soil Sample- Near Madenahalli Village.		

Sl. No.	Test	Result	Protocol
8	Colour	Reddish brown	Practical Manual for Hands on training GKVK Bengaluru
9	Sulphur as S, mg/Kg	17.8	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/Kg	1.8	Practical Manual for Hands on training GKVK Bengaluru
12	Potassium as K, mg/Kg	144.03	Practical Manual for Hands on training GKVK Bengaluru
13	Copper as Cu, mg/Kg	22.7	Practical Manual for Hands on training GKVK Bengaluru
14	Chromium as Cr, mg/Kg	4.8	Practical Manual for Hands on training GKVK Bengaluru
15	Zinc as Zn, mg/Kg	18.3	Practical Manual for Hands on training GKVK Bengaluru
16	Lead as Pb, mg/Kg	13.4	Practical Manual for Hands on training GKVK Bengaluru
17	Nickel as Ni, mg/Kg	9.01	Practical Manual for Hands on training GKVK Bengaluru
18	Cadmium as Cd, mg/Kg	<0.1	Practical Manual for Hands on training GKVK Bengaluru

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<b>M/s. Karnataka Industrial Areas Development Board (KIADB).</b> No. 49, 4th & 5th Floor, East Wing, Khanija Bhavan, Race Course Road, Bengaluru, Karnataka 560 001.	Report No.	: RE/2021/00047
	Report date	: 06/02/2021
	Reference	: Test Request Form
	Sample receipt date	: 28/01/2021
	Job Order No	: RE/2021/00047
	Date of Sampling	: 28/01/2021
	Analysis start date	: 29/01/2021
	Analysis completion date	: 06/02/2021
Sample Qty: 1kg	Sampling Protocol	: E/WP/77
<b>Name of the Industrial Area:</b> Sompura Industrial Area, 1st stage (Dobaspet 3rd phase) & 2nd stage, Sompura Hobli, Nelamangala Taluk, Bangalore Rural District, Karnataka. (Ext- 1358.5 A).		
<b>Sample Particulars:</b> One Soil Sample- Near Hosahalli village.		

Sl. No.	Test	Result	Protocol
<b>Description:</b> Brown Colored Soil.			
1	pH (20% Suspension)	7.28	Practical Manual for Hands on training GKVK Bengaluru
2	Conductivity, $\mu$ mhos/cm	94.0	Practical Manual for Hands on training GKVK Bengaluru
3	Chloride as Cl, mg/Kg	347.9	Practical Manual for Hands on training GKVK Bengaluru
4	Moisture, %	9.1	Practical Manual for Hands on training GKVK Bengaluru
5	Organic Matter, %	0.3	Practical Manual for Hands on training GKVK Bengaluru
6	Calcium as Ca, mg/Kg	18.87	Practical Manual for Hands on training GKVK Bengaluru
7	Magnesium Mg, mg/Kg	214.8	Practical Manual for Hands on training GKVK Bengaluru

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<b>M/s. Karnataka Industrial Areas Development Board (KIADB).</b> No. 49, 4th & 5th Floor, East Wing, Khanija Bhavan, Race Course Road, Bengaluru, Karnataka 560 001.	Report No.	: RE/2021/00047
	Report date	: 06/02/2021
	Reference	: Test Request Form
	Sample receipt date	: 28/01/2021
	Job Order No	: RE/2021/00047
	Date of Sampling	: 28/01/2021
	Analysis start date	: 29/01/2021
	Analysis completion date	: 06/02/2021
<b>Sample Qty: 1kg</b>	Sampling Protocol	: E/WP/77
<b>Name of the Industrial Area:</b> Sompura Industrial Area, 1st stage (Dobaspet 3rd phase) & 2nd stage, Sompura Hobli, Nelamangala Taluk, Bangalore Rural District, Karnataka. (Ext- 1358.5 A).		
<b>Sample Particulars:</b> One Soil Sample- Near Hosahalli village.		

Sl. No.	Test	Result	Protocol
8	Colour	Brown	Practical Manual for Hands on training GKV Bengaluru
9	Sulphur as S, mg/Kg	4.3	Practical Manual for Hands on training GKV Bengaluru
10	Nitrogen as N, %	0.007	Practical Manual for Hands on training GKV Bengaluru
11	Phosphorous as/Kg	9.7	Practical Manual for Hands on training GKV Bengaluru
12	Potassium as K, mg/Kg	591.4	Practical Manual for Hands on training GKV Bengaluru
13	Copper as Cu, mg/Kg	8.1	Practical Manual for Hands on training GKV Bengaluru
14	Chromium as Cr, mg/Kg	10.5	Practical Manual for Hands on training GKV Bengaluru
15	Zinc as Zn, mg/Kg	39.5	Practical Manual for Hands on training GKV Bengaluru
16	Lead as Pb, mg/Kg	4.2	Practical Manual for Hands on training GKV Bengaluru
17	Nickel as Ni, mg/Kg	6.7	Practical Manual for Hands on training GKV Bengaluru
18	Cadmium as Cd, mg/Kg	<0.1	Practical Manual for Hands on training GKV Bengaluru

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

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

Report No.	: RE/2021/00048
Report date	: 06/02/2021
Reference	: Test Request Form
Sample receipt date	: 28/01/2021
Job Order No	: RE/2021/00048
Date of Sampling	: 28/01/2021
Analysis start date	: 29/01/2021
Analysis completion date	: 06/02/2021
Sampling Protocol	: E/WP/77

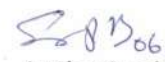
Sample Qty: 1kg

Name of the Industrial Area: Sompura Industrial Area, 1st stage (Dobaspet 3rd phase) & 2nd stage, Sompura Hobli, Nelamangala Taluk, Bangalore Rural District, Karnataka. (Ext- 1358.5 A).

Sample Particulars: One Soil Sample- Near Bhartipura village.

Sl. No.	Test	Result	Protocol
<b>Description:</b> Brown Colored Soil.			
1	pH (20% Suspension)	7.49	Practical Manual for Hands on training GVKK Bengaluru
2	Conductivity, $\mu$ mhos/cm	50.0	Practical Manual for Hands on training GVKK Bengaluru
3	Chloride as Cl, mg/Kg	712.6	Practical Manual for Hands on training GVKK Bengaluru
4	Moisture, %	3.1	Practical Manual for Hands on training GVKK Bengaluru
5	Organic Matter, %	0.21	Practical Manual for Hands on training GVKK Bengaluru
6	Calcium as Ca, mg/Kg	19.9	Practical Manual for Hands on training GVKK Bengaluru
7	Magnesium Mg, mg/Kg	214.8	Practical Manual for Hands on training GVKK Bengaluru

  
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### TEST REPORT

<b>M/s. Karnataka Industrial Areas Development Board (KIADB).</b> No. 49, 4th & 5th Floor, East Wing, Khanija Bhavan, Race Course Road, Bengaluru, Karnataka 560 001.	Report No.	: RE/2021/00048
	Report date	: 06/02/2021
	Reference	: Test Request Form
	Sample receipt date	: 28/01/2021
	Job Order No	: RE/2021/00048
	Date of Sampling	: 28/01/2021
	Analysis start date	: 29/01/2021
	Analysis completion date	: 06/02/2021
<b>Sample Qty: 1kg</b>	Sampling Protocol	: E/WP/77
<b>Name of the Industrial Area:</b> Sompura Industrial Area, 1st stage (Dobaspet 3rd phase) & 2nd stage, Sompura Hobli, Nelamangala Taluk, Bangalore Rural District, Karnataka. (Ext- 1358.5 A).		
<b>Sample Particulars:</b> One Soil Sample- Near Bhartipura village.		

Sl. No.	Test	Result	Protocol
8	Colour	Reddish Brown	Practical Manual for Hands on training GKV Bengaluru
9	Sulphur as S, mg/Kg	4.8	Practical Manual for Hands on training GKV Bengaluru
10	Nitrogen as N, %	0.006	Practical Manual for Hands on training GKV Bengaluru
11	Phosphorous as/Kg	2.1	Practical Manual for Hands on training GKV Bengaluru
12	Potassium as K, mg/Kg	74.7	Practical Manual for Hands on training GKV Bengaluru
13	Copper as Cu, mg/Kg	14.08	Practical Manual for Hands on training GKV Bengaluru
14	Chromium as Cr, mg/Kg	8.12	Practical Manual for Hands on training GKV Bengaluru
15	Zinc as Zn, mg/Kg	32.72	Practical Manual for Hands on training GKV Bengaluru
16	Lead as Pb, mg/Kg	13.85	Practical Manual for Hands on training GKV Bengaluru
17	Nickel as Ni, mg/Kg	6.92	Practical Manual for Hands on training GKV Bengaluru
18	Cadmium as Cd, mg/Kg	<0.1	Practical Manual for Hands on training GKV Bengaluru

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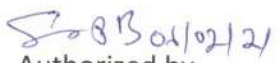
### TEST REPORT



<b>M/s. Karnataka Industrial Areas Development Board (KIADB).</b> No. 49, 4th & 5th Floor, East Wing, Khanija Bhavan, Race Course Road, Bengaluru, Karnataka 560 001.	Report No.	: RE/2021/00049
	Report date	: 06/02/2021
	Reference	: Test Request Form
	Sample receipt date	: 28/01/2021
	Job Order No	: RE/2021/00049
	Date of Sampling	: 28/01/2021
	Analysis start date	: 29/01/2021
	Analysis completion date	: 06/02/2021
<b>Sample Qty: 1kg</b>	Sampling Protocol	: E/WP/77
<b>Name of the Industrial Area:</b> Sompura Industrial Area, 1st stage (Dobaspet 3rd phase) & 2nd stage, Sompura Hobli, Nelamangala Taluk, Bangalore Rural District, Karnataka. (Ext- 1358.5 A).		
<b>Sample Particulars:</b> One Soil Sample- Near Thyamagondlu village.		

Sl. No.	Test	Result	Protocol
<b>Description:</b> Brown Colored Soil.			
1	pH (20% Suspension)	7.31	Practical Manual for Hands on training GKVK Bengaluru
2	Conductivity, $\mu$ mhos/cm	121.0	Practical Manual for Hands on training GKVK Bengaluru
3	Chloride as Cl, mg/Kg	523.5	Practical Manual for Hands on training GKVK Bengaluru
4	Moisture,%	2.9	Practical Manual for Hands on training GKVK Bengaluru
5	Organic Matter, %	0.16	Practical Manual for Hands on training GKVK Bengaluru
6	Calcium as Ca, mg/Kg	19.1	Practical Manual for Hands on training GKVK Bengaluru
7	Magnesium Mg, mg/Kg	262.8	Practical Manual for Hands on training GKVK Bengaluru

  
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	Report date	: 06/02/2021
	Reference	: Test Request Form
	Sample receipt date	: 28/01/2021
	Job Order No	: RE/2021/00049
	Date of Sampling	: 28/01/2021
	Analysis start date	: 29/01/2021
	Analysis completion date	: 06/02/2021
Sample Qty: 1kg	Sampling Protocol	: E/WP/77
<b>Name of the Industrial Area:</b> Sompura Industrial Area, 1st stage (Dobaspet 3rd phase) & 2nd stage, Sompura Hobli, Nelamangala Taluk, Bangalore Rural District, Karnataka. (Ext- 1358.5 A).		
<b>Sample Particulars:</b> One Soil Sample- Near Thyamagondlu village.		

Sl. No.	Test	Result	Protocol
8	Colour	Brown	Practical Manual for Hands on training GKV Bengaluru
9	Sulphur as S, mg/Kg	5.0	Practical Manual for Hands on training GKV Bengaluru
10	Nitrogen as N, %	0.005	Practical Manual for Hands on training GKV Bengaluru
11	Phosphorous as/Kg	3.4	Practical Manual for Hands on training GKV Bengaluru
12	Potassium as K, mg/Kg	497.9	Practical Manual for Hands on training GKV Bengaluru
13	Copper as Cu, mg/Kg	8.05	Practical Manual for Hands on training GKV Bengaluru
14	Chromium as Cr, mg/Kg	24.5	Practical Manual for Hands on training GKV Bengaluru
15	Zinc as Zn, mg/Kg	16.8	Practical Manual for Hands on training GKV Bengaluru
16	Lead as Pb, mg/Kg	11.7	Practical Manual for Hands on training GKV Bengaluru
17	Nickel as Ni, mg/Kg	6.93	Practical Manual for Hands on training GKV Bengaluru
18	Cadmium as Cd, mg/Kg	<0.1	Practical Manual for Hands on training GKV Bengaluru

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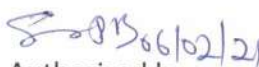
### TEST REPORT



<b>M/s. Karnataka Industrial Areas Development Board (KIADB).</b> No. 49, 4th & 5th Floor, East Wing, Khanija Bhavan, Race Course Road, Bengaluru, Karnataka 560 001.	Report No.	: RE/2021/00050
	Report date	: 06/02/2021
	Reference	: Test Request Form
	Sample receipt date	: 28/01/2021
	Job Order No	: RE/2021/00050
	Date of Sampling	: 28/01/2021
	Analysis start date	: 29/01/2021
	Analysis completion date	: 06/02/2021
<b>Sample Qty: 1kg</b>	Sampling Protocol	: E/WP/77
<b>Name of the Industrial Area:</b> Sompura Industrial Area, 1st stage (Dobaspet 3rd phase) & 2nd stage, Sompura Hobli, Nelamangala Taluk, Bangalore Rural District, Karnataka. (Ext- 1358.5 A).		
<b>Sample Particulars:</b> One Soil Sample- Near Laxmanapura village.		

Sl. No.	Test	Result	Protocol
<b>Description:</b> Brown Colored Soil.			
1	pH (20% Suspension)	6.85	Practical Manual for Hands on training GKVK Bengaluru
2	Conductivity, $\mu$ mhos/cm	96.0	Practical Manual for Hands on training GKVK Bengaluru
3	Chloride as Cl, mg/Kg	538.1	Practical Manual for Hands on training GKVK Bengaluru
4	Moisture, %	7.1	Practical Manual for Hands on training GKVK Bengaluru
5	Organic Matter, %	0.4	Practical Manual for Hands on training GKVK Bengaluru
6	Calcium as Ca, mg/Kg	19.6	Practical Manual for Hands on training GKVK Bengaluru
7	Magnesium Mg, mg/Kg	540.0	Practical Manual for Hands on training GKVK Bengaluru

  
06/02/21  
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Authorized by

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





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## ROBUST MATERIALS TECHNOLOGY PVT. LTD.

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(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

<b>M/s. Karnataka Industrial Areas Development Board (KIADB).</b> No. 49, 4th & 5th Floor, East Wing, Khanija Bhavan, Race Course Road, Bengaluru, Karnataka 560 001.	Report No.	: RE/2021/00050
	Report date	: 06/02/2021
	Reference	: Test Request Form
	Sample receipt date	: 28/01/2021
	Job Order No	: RE/2021/00050
	Date of Sampling	: 28/01/2021
	Analysis start date	: 29/01/2021
	Analysis completion date	: 06/02/2021
<b>Sample Qty: 1kg</b>	Sampling Protocol	: E/WP/77
<b>Name of the Industrial Area:</b> Sompura Industrial Area, 1st stage (Dobaspet 3rd phase) & 2nd stage, Sompura Hobli, Nelamangala Taluk, Bangalore Rural District, Karnataka. (Ext- 1358.5 A).		
<b>Sample Particulars:</b> One Soil Sample- Near Laxmanapura village.		

Sl. No.	Test	Result	Protocol
8	Colour	Brown	Practical Manual for Hands on training GKV Bengaluru
9	Sulphur as S, mg/Kg	14.4	Practical Manual for Hands on training GKV Bengaluru
10	Nitrogen as N, %	0.004	Practical Manual for Hands on training GKV Bengaluru
11	Phosphorous as/Kg	1.5	Practical Manual for Hands on training GKV Bengaluru
12	Potassium as K, mg/Kg	150.9	Practical Manual for Hands on training GKV Bengaluru
13	Copper as Cu, mg/Kg	51.7	Practical Manual for Hands on training GKV Bengaluru
14	Chromium as Cr, mg/Kg	37.8	Practical Manual for Hands on training GKV Bengaluru
15	Zinc as Zn, mg/Kg	21.4	Practical Manual for Hands on training GKV Bengaluru
16	Lead as Pb, mg/Kg	9.01	Practical Manual for Hands on training GKV Bengaluru
17	Nickel as Ni, mg/Kg	23.9	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-----

*[Signature]*  
66/02/21  
Verified by

*[Signature]*  
06/02/21  
Authorized by

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