

KARNATAKA INDUSTRIAL AREAS DEVELOPMENT BOARD

(A Government of Karnataka Undertaking)

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

Phone : 080-22265383 Fax : 080-22267901

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

No.KIADB/JDTP/FCN:20456/652/2021-22

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.

Respected Sir/ Madam,

Subject: Submission of Half yearly point wise Environmental Compliance report for all the conditions stipulated in the Environmental Clearance issued with respect to Establishment of Chamarajanagara Industrial area, KIADB, at Badanakuppe & Kallambelli Villages, Chamarajanagara Taluk & District to an extent of 1460.47 Acres.

Ref.: 1. ToR issued by MoEF & CC on 19.06.2015.
2. Environmental Public Hearing held on 05.09.2017.
3. Environmental Clearance reference no.: 21-58/2015-IA.III dated 5th September, 2017.
4. Specific Condition imposed in the Environmental Clearance for submission of Half yearly Compliance @ Condition No. 8.

With reference to above subject, it is to be informed that MoEF&CC has issued Environmental Clearance for Establishment of Chamarajanagara Industrial area, KIADB, at Badanakuppe & Kallambelli Villages, Chamarajanagara Taluk & District to an extent of 1460.47 Acres, after finalizing the ToR granted vide letter No.21-58/2015-IA-III dated 19th June, 2015 and after conducting the public hearing on 20th July, 2016.

In the said Environmental Clearance at the Specific Condition No. 8, it is stipulated that KIADB has to submit half yearly compliance report to all the conditions stipulated in the EC issued on 5th September, 2017.

Hence, the detailed point wise compliance report to all the conditions stipulated in the Environmental Clearance issued to Chamarajanagara Industrial area 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-2

KIADB, Bengaluru

Half Yearly Environmental Compliance Report for all the Conditions Stipulated in Environmental Clearance issued with respect to Establishment of Chamarajanagara Industrial Area at Badanakuppe and Kallambelli villages, Chamarajanagara Taluk & 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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1.0. PROJECT DETAILS:

- 1) Name of the Project:** Establishment of Chamarajanagara Industrial Area at Badanakuppe and Kallambelli villages, Chamarajanagara Taluk & District (Karnataka).
- 2) Location:** 11° 58' 55.70" N Latitude and 76° 52' 59.35" E longitude.
- 3) ToR issued:** Issued by MoEF&CC on 19.06.2015.
- 4) Environmental Public Hearing:** Public hearing held on 05.09.2017
- 5) Environmental Clearance reference no.:** 21-58/2015-IA.III dated 5th September, 2017.
- 6) Total Plot Area:** 591.04 ha. (1460.47 acres).
- 7) Category of Industries:** Red, Orange and Green category.
- 8) Total Water requirement for the Industrial area:** 10,068 KLD (6117 KLD fresh water & 3951 KLD recycled water).
- 9) Total Wastewater generation:** 4,158 KLD.
- 10) Total Power requirement:** 6 MW will be sourced from KPTCL.
- 11) Project Cost:** 91 crores.
- 12) Schedule & Category:** 7 (C) & A category
- 13) Address of the Correspondence:**

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

3.0. Half Yearly Environmental Compliance Report for all the Conditions Stipulated in the Environmental Clearance issued with respect to Establishment of Chamarajanagara Industrial area at Badanakuppe & Kallambelli Villages Chamarajanagara Taluk & District. (Ext-1460.47 Acres).

Sl. No.	CONDITIONS STIPULATED IN EC	COMPLIANCE STATUS
A	SPECIFIC CONDITIONS:	
I	Construction Phase:	
1	Consent to Establish' shall be obtained from State Pollution Control Board under the Air (Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974.	Complied. Consent for Establishment from Karnataka State Pollution Control Board under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, has been obtained on 22 nd June 2018. Copy has been submitted to MoEF&CC, Regional Office, Bangalore.
2	To achieve the Zero Liquid Discharge, waste water generated from different industrial operations should be properly collected, treated to the prescribed standards and then recycled or reused for the identified uses.	Noted. 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 wastewater treatment, so that the treated water conform to the standards prescribed by KSPCB/CPCB and also so that there is zero discharge of untreated effluent from the industry & 100% reuse of the treated water.
3	Necessary authorization required under the Hazardous and Other Wastes (Management and Trans-Boundary Movement) Rules, 2016, Solid Waste Management Rules, 2016 shall be obtained and the provisions contained in the Rules shall be strictly adhered to.	Agreed. Necessary direction will be issued to individual industries for obtaining authorization by individual industries once the industries will start the operation and they will be advised to strictly follow the rules and regulations made under the Hazardous and Other Wastes (Management and Trans-Boundary Movement) Rules, 2016 & Solid Waste Management Rules, 2016. Necessary directions will be issued for segregation and collection of Hazardous wastes in safe and secured manner and will be disposed to authorized disposers/ recyclers /vendors etc. for ensuring safe disposal.

4	During construction phase, air pollution and the solid waste management aspects need to be properly addressed ensuring compliance of the Construction and Demolition Waste Management Rules, 2016.	Complied- Competent persons from KIADB & Construction workers available at the Project site were advised to take necessary precautions and measures to reduce the noise and air emissions, contributed during construction phase and necessary measures will be undertaken to keep the emission within the norms. Necessary steps will be taken to dispose the solid waste to authorized vendors for recycling and safe disposal. Construction wastes were disposed as per the guidelines stipulated in the Construction and Demolition Waste Management Rules, 2016.
5	This environmental clearance is only for the said Industrial Area. Any other activity within the Industrial Area would require separate environmental clearance, as applicable under EIA Notification, 2006 as amended from time to time. For all the individual units, environmental clearances, as applicable, shall be obtained from the respective regulatory authorities.	Noted. Individual industries will be strictly advised to obtain necessary Environmental Clearance from the respective Competent Authority, as applicable under EIA notification, 2006, based on the manufacturing activity proposed by individual industries. A condition will also be included in the agreement of Lease/ Sale deed to obtain EC as applicable. No permission/ approval will be issued for the industries to operate without the prior approval from the Competent Authority.
6	Green belt shall be developed using local tree and shrub species. No exotic species to be used for green belt development.	Agreed. Required buffer area has been provided from the village boundary and water bodies for green belt development. Green belt is developed with the local tree and shrub species. No exotic species will be introduced in the area. Also individual industrial units are also encouraged to maintain required green belt area of 33% of the allotted plot area as applicable.
7	There shall be a continuous green belt along the plant premises, except at the designated entry and exit points.	Noted and Complied as suggested. Avenue plantation and green belt development of local tree species in allotted area & buffer zones are done.
8	The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.	Noted. Individual industries will be informed to maintain the log book for recording water consumption and wastewater generation by respective industries, once the industries start operation in the proposed area.

9	Special purpose vehicle shall be established for implementation, monitoring and compliance of the environmental safeguards.	Noted.
10	All the recommendation of the EMP shall be complied with letter and spirit. All the mitigation measures submitted in the EIA report shall be prepared in a matrix format and the compliance for each mitigation plan shall be submitted to RO, MoEF&CC along with half yearly compliance report.	Noted and all the recommendations made in the Environmental Management Plan will be adhered to and applicable mitigation measures are adapted wherever required and mitigation plans so adapted shall be included in the half yearly Compliance report and shall be submitted to the Regional Office of MoEF&CC, Bangalore.
11	The member units shall provide storage tanks for storage of effluent for monitoring the characteristics of effluent and to treat the same to meet the prescribed inlet norms before taking into the CETP for further treatment.	Noted and Complied as suggested. Industries are strictly advised to obtain necessary approval from KSPCB and adhere to the terms and conditions mentioned in the said consent. Storage tanks of sufficient capacity are provided to store the effluent generated from the industrial process. A direction will be issued to individual industries to have an agreement between the CETP facility and individual industry for the scientific disposal of wastewater. The industry that does not have in-house ETP facility is advised to carryout pre-treatment of wastewater generated and neutralize the same with acid/alkali and then discharge this wastewater for further treatment in CETP facility. The treated water shall meet the prescribed norms and the test reports of characteristics of raw effluent water and treated water will be submitted to competent authority.
12	Proper meters with recording facilities shall be provided to monitor the effluent quality and quantity from member industries to CETP and from CETP to the final disposal/re-use on a continuous basis.	Noted. Industries which are operated in the respective industrial area are directed to provide water meter for all the water sources and maintain logbooks for water flow meters for recording quantity of water consumption and wastewater generation and they are informed to reuse the treated water on daily basis.
13	The project proponent shall establish an environmental monitoring cell with all the potential polluting units as members to review the environmental monitoring data and suggest for improvements.	Noted and Environmental Cell has been created with qualified Engineer to review the environmental monitoring data and suggest for improvements.

14	Internal Road widths within the industrial estate shall be minimum 18 m ROW.	Noted and complied as per the local zoning regulation.
15	Common facilities such as repair shops, rest rooms for drivers and attendants shall be provided.	Noted and Basic facilities will be provided for all the workers and employees involved during construction phase of the proposed industrial area.
16	All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.	Complied. All necessary infrastructure facilities and basic sanitary facilities were provided to the workers in the site during the construction phase of the industrial area.
17	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.	Noted. All necessary precautions will be taken to ensure that there is no contamination of soil and ground water.
18	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.
19	Parking space to accommodate trucks, cars, two wheelers and bicycles shall be provided as per the norms.	Agreed and complied with. Required area as per the norms for Parking space to accommodate trucks, cars, two wheelers and bicycles will be provided.
20	Any hazardous waste generated during development/ construction phase, should be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.	Agreed. Necessary approvals from the competent authority will be obtained during the construction phase for the safe disposal of hazardous waste generated as per the rules and regulations applicable.
21	The diesel generator sets to be used during development/ 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.

22	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.
23	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.
24	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 development/ 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/SPCB.	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.
25	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.
26	Ready mixed concrete must be used in site development and building construction.	Noted and will be followed as suggested.
27	Storm water control and its re-use as per CGWB and BIS standards for various applications.	Noted and will be followed as suggested.
28	Water demand during development/construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.	Noted.

29	Permission to draw ground water, if any, 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.
30	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. During the operation phase individual industries will be informed to install latest technology To reduce the water consumption & wastewater generation, for efficient and limited use of water wherever possible. Industries will also be directed to conserve the water resource by adapting the same
31	Regular supervision of the above and other measures for monitoring should be in place all through the development/ construction phase, so as to avoid disturbance to the surroundings.	Complied. Regular supervision was done to ensure that there is no disturbance to the surroundings during the construction phase.
32	The responses/commitments made to the issues raised during public hearing shall be complied with in letter and spirit, and action taken shall be submitted to the Ministry.	Noted. The suggestions/observations and concerns made during the public hearing will be duly considered and all relevant measures are being taken to improve the socio-economic conditions of the project and surrounding area.
33	For Corporate Environment Responsibility activities, 2% of the project cost shall be earmarked. The CSR funds shall be allocated for vocational training programme, development of infrastructure like construction of public toilets etc.	Noted and will be complied as suggested. Steps with respect to CSR/CER responsibilities are being taken. Allotted funds are being used for the development of required infrastructure. Awareness programmes, training programmes, distributions of saplings for planting in forest areas are being done as part of CSR/ CER responsibilities.
34	All member industries shall be instructed to comply with the consent conditions given by PCB/MoEF&CC strictly to maintain ambient air quality within the stipulated standards of CPCB.	Noted. Individual Industrial units will be strictly directed to follow the prevalent rules and regulations of all the concerned regulatory authorities while allotting the plots to the industries, before starting any type of construction activities and comply with those rules. They will be informed to obtain consent from the concerned authorities such as CPCB/ KSPCB and comply with the prescribed norms and standards of the competent authority.

35	Existing State/Central Government norms shall be followed for providing employment, preference will be given to local educated and unemployed people based on their educational qualification. Vocational training shall be conducted to improve the skills of local people so that they can get employment/self-employment.	Noted and being complied. Industries are also advised to do the same as per the prevalent norms of State/Central Government.
36	Compensation will be paid as per the land acquisition act of State.	Noted.
37	Corporate Environmental Responsibility:	
	a) The Company shall have a well laid down Environment Policy approved by the Board of Directors.	Noted and complied. Individual Industrial units in the project area will be informed the same. All norms, standards and policies laid down by the competent authority will be strictly followed by the industrial units.
	b) The Environment Policy shall prescribe for standard operating process/ procedures to bring into focus any infringements/deviation/ violation of the environmental or forest norms/ conditions.	Noted and complied. Industrial units in the project area will be informed the same. Standard Operating Procedures will be laid down to keep the track, if there is any kind of deviations, non- compliances.
	c) The hierarchical system or Administrative Order of the company to deal with environmental issues and for ensuring compliance with the environmental clearance conditions shall be furnished.	Noted and complied. Industrial units in the project area have been informed the same. Hierarchical system will be followed to all the concerned authorities when required.
	d) To have proper checks and balances, the company shall have a well laid down system of reporting of non-compliances/ violations of environmental norms to the Board of Directors of the company and/or shareholders or stakeholders at large.	Noted and complied. Individual Industrial units at the time of operation in the project area will be informed to have well laid down system of reporting of non-compliances/ violations of environmental norms.
II	Operation Phase	
1	All the topsoil excavated during development/ construction activities should be stored for use in horticulture/landscape development within the project site.	Complied. The topsoil excavated will be used for landscaping, levelling and plantation purposes in the project site.

2	Disposal of muck during development/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.	Noted and complied. The construction debris will be reused / recycled for backfilling and for construction of roads and the excess debris is disposed in safe and secure manner as per the Construction and Demolition rules 2016.
3	The solid waste generated should be properly collected and segregated. Wet garbage should be composted and dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.	Noted. During the construction phase, all the solid wastes generated from construction activity will be collected systematically in a safe and secured manner and will be disposed to authorized vendors/ disposers. Industries are informed to follow the guidelines issued by KSPCB/ CPCB or the local authority.
4	The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. The location of the DG sets may be decided in consultation with the State Pollution Control Board.	Noted. Stack height for DG sets are provided as per CPCB/ KSPCB norms. Individual industries operating in the area will be advised to follow the rules and regulations set by KSPCB.
5	Noise should be controlled to ensure that it does not exceed the prescribed standards. During night time the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.	Noted. Each individual industry will be informed to maintain the noise levels as per the CPCB/KSPCB norms.
6	The green belt of the adequate 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.	Complied. It is proposed to develop 15 m green belt all along the boundary of the industrial area. During the construction and development of the industrial area, plantation will be undertaken in a phased manner. Green belt is developed with the local tree and shrub species. Avenue plantation has done along the adjoining roads of the project site. Also individual industrial units are also advised to maintain green belt for at least 33% of the allotted plot area as applicable.
7	Weep holes in the compound walls shall be provided to ensure natural drainage of rain water in the catchment area during the monsoon period.	Noted and weep holes will be provided as suggested. Individual industries are advised to do the same.

8	Rain water harvesting for roof run- off and surface run-off, as plan submitted should be implemented. Before recharging the surface run off, pre-treatment must be done to remove suspended matter, oil and grease. The borewell for rainwater recharging should be kept at least 4mts. above the highest ground water table.	Noted. The project area and the industries proposed to operate within the area will be directed to provide with rain water harvesting systems and the industries will be advised to adapt pre-treatment systems as per the guidelines set by KSPCB/CPCB. The rainwater recharge well of sufficient capacity will be dug as per the guidelines.
9	The ground water level and its quality should be monitored regularly in consultation with Central Ground Water Authority.	Noted. Necessary approvals will be obtained and CGWA guidelines will be followed to monitor ground water level and its quality. No permission will be provided by KIADB for new Borewell drilling without the prior approval from Central Ground Water Authority.
10	Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.	Noted. Depending on the roadways surrounding the project site and traffic conditions in the proposed area, entry and exit points have been provided and the roads inside the project area will be well built to avoid any kind of traffic congestion. Individual industries are strictly advised to provide parking facilities only in the allotted plot areas and not to use public space.
11	Energy conservation measures like installation of LED for the lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. Used LEDs 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	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	GENERAL CONIDITIONS:	
1	The environmental safeguards contained should be implemented in letter and spirit.	Agreed. All necessary measures and steps will be taken for the protection of environment and conservation of natural resources.
2	Provision should be made for supply of kerosene or cooking gas and pressure cooker to the labourers during construction phase.	Noted. Required infrastructure facility and fuel will be provided to all the labourers for cooking during construction phase.
3	Six monthly monitoring reports should be submitted to the Ministry and its concerned Regional Office.	Noted and will be complied.
4	A copy of the environmental clearance letter shall also be displayed on the website of the concerned State Pollution Control Board. The EC letter shall also be displayed at the Regional Office, District Industries centre and Collector's Office/ Tehsildar's office for 30 days.	Noted and Complied.
5	The project proponent shall set up a separate environmental management cell for effective implementation of the stipulated environmental safeguards under the supervision of a Senior Executive.	Complied. KIADB has already setup an Environment management cell with necessary facilities and qualified personnel to look after the Environmental aspects to ensure that there is no damage to the Environment.
6	The funds earmarked for environment management plan shall be included in the budget and this shall not be diverted for any other purpose.	Noted and followed.
7	The above 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.
8	Officials from the Regional Office of MoEF&CC at Bangalore who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents/data by the project proponents during their inspection. A complete set of all the documents submitted to MoEF&CC should be forwarded to the CCF, Regional Office of MoEF&CC at Bangalore.	Noted. Full cooperation, facilities & the required 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.

9	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.
10	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponents from the respective competent authorities.	Noted. All the necessary approvals and clearances applicable will be obtained from the concerned authorities. Industrial units in the project area are also strictly informed to do the same before starting any kind of activities.
11	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 State Pollution Control Board and may also be seen on the website of the Ministry of Environment, Forest & Climate Change at http://www.envfor.nic.in . The advertisement should be made within Seven 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 Bangalore.	Noted and followed.
12	This clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation Vs. Union of India in Writ Petition (Civil) No.460 of 2004 as may be applicable to this project.	Noted.
13	Any appeal against this clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted.

14	<p>A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parishad/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>
15	<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&CC, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM10, PM2.5, SO2, NO2 (ambient levels as well as stack emissions) or critical sectorial 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>
16	<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&CC 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 (SO₂) and Nitrogen Dioxide (NO₂) at 8 Locations and the detailed reports are attached as **Annexure-4**.

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

Sl. No.	Parameters	Limits (As Per NAAQS) for 24hrs	Minimum Value	Maximum Value	Average Value
1	Particulate Matter PM ₁₀ , µg/m ³	100	53.2	62.1	57.5
2	Particulate Matter PM _{2.5} , µg/m ³	60	17.5	21.8	19.5
3	Nitrogen Dioxide NO ₂ , µg/m ³	80	13.8	19.5	16.3
4	Sulphur dioxide as SO ₂ , µg/m ³	80	8.0	11.7	9.2

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 Kallambelli village	53.8	41.1	55	45
2	Near Mariyala village	54.1	40.5	55	45
3	Chikkahomma village	52.7	42.6	55	45
4	Near KPTCL station- Project Site	51.2	42.4	75	70
5	Near Keerthi Marketing - Project Site	55.7	42.9	75	70
6	Badanakuppe village	53.8	42.0	55	45
7	Thoravalli village	53.7	44.2	55	45
8	Gangavadi village	52.2	43.2	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	7.73	8.24	8.08
4	Turbidity, NTU	0.2	0.2	0.2
5	Chloride as Cl, mg/L	28.9	409.8	118.7
6	Total hardness as CaCO ₃ , mg/L	169.1	453.6	303.6
7	Calcium as Ca, mg/L	36.3	173.3	82.3
8	Magnesium as Mg, mg/L	5	48.1	23.8
9	Total dissolved Solids, mg/L	223	1362	601.4
10	Sulphate as SO ₄ , mg/L	40.2	46.8	43.5
11	Nitrate as NO ₃ , mg/L	3.9	5.6	5.1
12	Fluoride as F, mg/L	0.2	0.3	0.2
13	Iron as Fe, mg/L	BDL	BDL	BDL
14	Lead as Pb, mg/L	BDL	BDL	BDL
15	Copper as Cu, mg/L	BDL	BDL	BDL
16	Zinc as Zn, mg/L	BDL	BDL	BDL
17	Chromium as Cr, mg/L	BDL	BDL	BDL
18	Dissolved oxygen, mg/L	3.1	4.2	3.5

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)	6.75	8.77	8.0
2	Conductivity, $\mu\text{mhos/cm}$	45	258	113.6
3	Chloride as Cl, mg/Kg	46.7	145.2	77.4
4	Moisture, %	12.4	37.4	24.4
5	Organic Matter, %	0.07	1.3	0.5
6	Calcium as Ca, mg/Kg	513.3	797.3	651.2
7	Magnesium Mg, mg/Kg	34.8	210	129.8
8	Colour	Brown	Brown	Brown
9	Sulphur as S, mg/Kg	2.04	16.04	7.2
10	Nitrogen as N, %	0.008	0.012	0.010
11	Phosphorous as P, mg/Kg	4.98	7.85	5.9
12	Potassium as K, mg/Kg	4.49	289.1	135.8
13	Copper as Cu, mg/Kg	3.76	14.8	9.9
14	Chromium as Cr, mg/Kg	23.7	174.51	51.7
15	Zinc as Zn, mg/Kg	4.81	46.8	30.4
16	Lead as Pb, mg/Kg	4.6	13.95	8.8
17	Nickel as Ni, mg/Kg	10.3	34.9	21.4
18	Cadmium as Cd, mg/Kg	<0.1	<0.1	<0.1

F.No. 21-58/2015-IA.III
Government of India
Ministry of Environment, Forest and Climate Change
(IA.III Section)

Indira Paryavaran Bhawan,
Jor Bagh Road, Aliganj
New Delhi - 110 003

Dated: 5th September, 2017

To

The Development Officer & Executive Engineer
Karnataka Industrial Areas Development Board (KIADB)
KIADB Zonal Office, K.R.S. Road, Metagalli
Mysuru – 570 016 (Karnataka)

Sub: Setting up of Chamarajanagara Industrial Area at Badanakuppe and Kallambelli villages, Chamarajanagara Taluk & District (Karnataka) by M/s Karnataka Industrial Areas Development Board - Environmental Clearance - reg.

Sir,

This has reference to your application No. KIADB/Mys/2875/2016-17 dated 27th September, 2016, submitting the above proposal to this Ministry for grant of Environmental Clearance (EC) in terms of the provisions of the Environment Impact Assessment (EIA) Notification, 2006 under the Environment (Protection) Act, 1986.

2. The proposal for '**Chamarajanagara Industrial Area**' at Badanakuppe & Kallambelli villages, Taluka & District Chamarajanagara (Karnataka) by M/s Karnataka Industrial Areas Development Board, was considered by the Expert Appraisal Committee (EAC) in the Ministry for Industrial Estate/Area, SEZ and Highways projects, in its meetings held on 16-17 January, 2017 and 6-7 April, 2017.

3. The details of the project, as per the documents submitted by the project proponent, and also as informed during the above said EAC meetings along with the EIA Consultant Ramky Enviro Engineers Limited, Hyderabad, are reported to be as under:

(i) The project involves setting up of Chamarajanagara Industrial Area at Badanakuppe & Kallambelli villages, Chamarajanagara Taluk & District (Karnataka) promoted by Karnataka Industrial Areas Development Board (KIADB). The project is located at 11° 58' 55.70" N Latitude and 76° 52' 59.35" E longitude.

(ii) The project is covered under category A of item 7(c) 'Industrial Estates/Parks/Complexes/Areas, Export Processing Zones, Special Economic Zones, Biotech Parks, Leather complexes in the schedule to the EIA Notification, 2006.

- (iii) Total area required for the development is 591.04 ha. (1460.47 acre).
- (iv) During construction phase, total projected water requirement of 20 KLD is proposed to be met through ground water sources/tankers. During the construction phase, soak pits and septic tanks will be provided for disposal of waste water. Temporary sanitary toilets will be provided during peak labor force.
- (v) During operational phase, total water demand of the project is expected to be 10068 KLD and the same will be met by the 6117 KLD fresh water & 3951 KLD recycled water. Wastewater generated (4158 KLD) uses will be treated in 2 STPs ($2 \times 0.6 = 1.2$ MLD capacity) & 1 CETP of 5 MLD capacity. 3951 KLD of treated waste water will be recycled (395 KLD for Industrial use/flushing & 3556 KLD for gardening). After usage remaining treated water (if any) will be disposed in to municipal drain.
- (vi) It is proposed that the industrial park will stick to the Zero Liquid Discharge policy to avoid contamination of the nearby areas and the groundwater. A systematic CETP and STP are operational 24 Hours to treat the wastewater generation from different systems. Wastewater treated from these facilities will be used as a secondary purpose in the industries and also for the landscape development.
- (vii) About 9 TPD solid wastes will be generated in the project. The biodegradable waste (6 TPD) will be processed in OWC and the non-biodegradable waste generated (2.8 TPD) will be handed over to authorized local vendor.
- (viii) Total power requirement during construction phase is 100 KVA and will be met from KPTCL/other sources and total power requirement during operation phase is 6 MW and will be met from KPTCL.
- (ix) An area of 33% will be left for development of greenbelt from the total project area (including 20% of Individual Industries). 15 m wide along the boundary, 2 m along the internal roads and along the internal boundary of individual industries, and in open areas. Plantation will be taken up immediately after obtaining necessary statutory clearances. Local species of 2 to 3 years old will be used for plantation.
- (x) Over all RHH from Rooftop rainwater of buildings, roads & greenbelt will be collected in RWH tanks of total with a flow of $65957 \text{ m}^3/\text{hr}$ capacity for harvesting after filtration.
- (xi) Truck Parking facility is proposed in 73 acres of industrial area.
- (xii) Proposed energy saving measures would save power as per the procedure.
- (xiii) **Wildlife issues:** It is not located within 10 km of any Eco Sensitive areas.
- (xiv) There is no court case pending against the project.
- (xv) **Investment/Cost:** The total cost of the project is Rs.91 Crores, cost towards environmental mitigation measure is about Rs.26.56 Crores and for CSR activities Rs.1.96 Crores.

VBK

(xvi) **Employment potential:** Around 17,000 jobs will be generated due to the proposed project. Employment will be given based on the qualifications and minimum prerequisite conditions will be placed before the selection of candidate based on the nature of the job.

(xvii) **Benefits of the project:** To development Industrial development in the region, Local employment improvement & Infrastructure & amenities will be developed.

(xviii) **ToR Details:** ToR was granted by the MoEF&CC vide letter No.21-58/2015-IA-III dated 19th June, 2015.

(xix) **Public Hearing:** Public Hearing was conducted on 20th July, 2016 at the project site i.e. Chamarajanagara Industrial Area, Badanakuppe & Kallambelli Village, Chamarajanagara Taluk & District (Karnataka).

4. The EAC, in its 169th meeting held on 6-7 April, 2017, has recommended the project for grant of Environmental Clearance. As per recommendations of the EAC, the Ministry of Environment, Forest and Climate Change hereby accords Environmental Clearance to the above project The proposal for '**Chamarajanagara Industrial Area**' at Badanakuppe & Kallambelli villages, Taluka & District Chamarajanagara (Karnataka) promoted by M/s Karnataka Industrial Areas Development Board, under the provisions of the EIA Notification, 2006 and amendments/circulars issued thereon, and subject to the specific and general conditions as under:-

PART A - SPECIFIC CONDITIONS

I. Construction Phase

(i) 'Consent to Establish' shall be obtained from State Pollution Control Board under the Air (Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974.

(ii) To achieve the Zero Liquid Discharge, waste water generated from different industrial operations should be properly collected, treated to the prescribed standards and then recycled or reused for the identified uses.

(iii) Necessary authorization required under the Hazardous and Other Wastes (Management and Trans-Boundary Movement) Rules, 2016, Solid Waste Management Rules, 2016 shall be obtained and the provisions contained in the Rules shall be strictly adhered to.

(iv) During construction phase, air pollution and the solid waste management aspects need to be properly addressed ensuring compliance of the Construction and Demolition Waste Management Rules, 2016.



- (v) This environmental clearance is only for the said Industrial Area. Any other activity within the Industrial Area would require separate environmental clearance, as applicable under EIA Notification, 2006 as amended from time to time. For all the individual units, environmental clearances, as applicable, shall be obtained from the respective regulatory authorities.
- (vi) Green belt shall be developed using local tree and shrub species. No exotic species to be used for green belt development.
- (vii) There shall be a continuous green belt along the plant premises, except at the designated entry and exit points.
- (viii) The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.
- (ix) Special purpose vehicle shall be established for implementation, monitoring and compliance of the environmental safeguards.
- (x) All the recommendation of the EMP shall be complied with letter and spirit. All the mitigation measures submitted in the EIA report shall be prepared in a matrix format and the compliance for each mitigation plan shall be submitted to RO, MoEF&CC along with half yearly compliance report.
- (xi) The member units shall provide storage tanks for storage of effluent for monitoring the characteristics of effluent and to treat the same to meet the prescribed inlet norms before taking into the CETP for further treatment.
- (xii) Proper meters with recording facilities shall be provided to monitor the effluent quality and quantity from member industries to CETP and from CETP to the final disposal/re-use on a continuous basis.
- (xiii) The project proponent shall establish an environmental monitoring cell with all the potential polluting units as members to review the environmental monitoring data and suggest for improvements.
- (xiv) Internal Road widths within the industrial estate shall be minimum 18 m ROW.
- (xv) Common facilities such as repair shops, rest rooms for drivers and attendants shall be provided.
- (xvi) All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.
- (xvii) 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.

RBK

- (xviii) 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.
- (xix) Parking space to accommodate trucks, cars, two wheelers and bicycles shall be provided as per the norms.
- (xx) Any hazardous waste generated during development/ construction phase, should be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
- (xxi) The diesel generator sets to be used during development/ construction phase should be low sulphur diesel type and should conform to Environment (Protection) Rules prescribed for air and noise emission standards.
- (xxii) 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.
- (xxiii) 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.
- (xxiv) 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 development/ 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/SPCB.
- (xxv) 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.
- (xxvi) Ready mixed concrete must be used in site development and building construction.
- (xxvii) Storm water control and its re-use as per CGWB and BIS standards for various applications.
- (xxviii) Water demand during development/construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- (xxix) Permission to draw ground water, if any, shall be obtained from the competent Authority prior to construction/operation of the project.
- (xxx) 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.
- (xxxi) Regular supervision of the above and other measures for monitoring should be in place all through the development/ construction phase, so as to avoid disturbance to the surroundings.

YK

(xxxii) The responses/commitments made to the issues raised during public hearing shall be complied with in letter and spirit, and action taken shall be submitted to the Ministry.

(xxxiii) For Corporate Environment Responsibility activities, 2% of the project cost shall be earmarked. The CSR funds shall be allocated for vocational training programme, development of infrastructure like construction of public toilets etc.

(xxxiv) All member industries shall be instructed to comply with the consent conditions given by PCB/MoEF&CC strictly to maintain ambient air quality within the stipulated standards of CPCB.

(xxxv) Existing State/Central Government norms shall be followed for providing employment, preference will be given to local educated and unemployed people based on their educational qualification. Vocational training shall be conducted to improve the skills of local people so that they can get employment/self-employment.

(xxxvi) Compensation will be paid as per the land acquisition act of State.

(xxxvii) Corporate Environment Responsibility:

- a) The Company shall have a well laid down Environment Policy approved by the Board of Directors.
- b) The Environment Policy shall prescribe for standard operating process/ procedures to bring into focus any infringements/deviation/ violation of the environmental or forest norms/ conditions.
- c) The hierarchical system or Administrative Order of the company to deal with environmental issues and for ensuring compliance with the environmental clearance conditions shall be furnished.
- d) To have proper checks and balances, the company shall have a well laid down system of reporting of non-compliances/ violations of environmental norms to the Board of Directors of the company and/or shareholders or stakeholders at large.

II. Operational Phase

(i) All the topsoil excavated during development/construction activities should be stored for use in horticulture/landscape development within the project site.

(ii) Disposal of muck during development/construction phase should not create any adverse effect on the neighboring 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.

(iii) 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.



(iv) The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. The location of the DG sets may be decided in consultation with the State Pollution Control Board.

(v) 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.

(vi) The green belt of the adequate 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.

(vii) Weep holes in the compound walls shall be provided to ensure natural drainage of rain water in the catchment area during the monsoon period.

(viii) 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 4 mts. above the highest ground water table.

(ix) The ground water level and its quality should be monitored regularly in consultation with Central Ground Water Authority.

(x) Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking, loading and unloading should be fully internalized and no public space should be utilized.

(xi) Energy conservation measures like installation of LED for the lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. Used LEDs 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) 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 environmental safeguards contained in the EIA Report should be implemented in letter and spirit.

ii) Provision should be made for supply of kerosene or cooking gas and pressure cooker to the labourers during construction phase.

iii) Six monthly monitoring reports should be submitted to the Ministry and it's concerned Regional Office.

iv) A copy of the environmental clearance letter shall also be displayed on the website of the concerned State Pollution Control Board. The EC letter shall also be displayed at the Regional Office, District Industries centre and Collector's Office/ Tehsildar's office for 30 days.

v) The project proponent shall set up a separate environmental management cell for effective implementation of the stipulated environmental safeguards under the supervision of a Senior Executive.

vi) The funds earmarked for environment management plan shall be included in the budget and this shall not be diverted for any other purpose.

5. The above 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.

6. Officials from the Regional Office of MoEF&CC at Bangalore who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents/data by the project proponents during their inspection. A complete set of all the documents submitted to MoEF&CC should be forwarded to the CCF, Regional Office of MoEF&CC at Bangalore.

7. 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.

8. 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.

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 State Pollution Control Board and may also be seen on the website of the Ministry of Environment, Forest & Climate Change at <http://www.envfor.nic.in>. The advertisement should be made within Seven 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 Bangalore.

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

11. Any appeal against this clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

12. A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/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.

13. 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&CC, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM₁₀, PM_{2.5}, SO₂, NO₂ (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.

14. 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&CC by e-mail.

Received 08/09/2017
(Raghu Kumar Kodali)
Director/Scientist F

Copy to:

- (1) The Secretary, Department of Environment, Govt. of Karnataka, Bangalore.
- (2) The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi – 32.
- (3) The Member Secretary, Karnataka State Pollution Control Board, "Parisara Bhavan, 4th & 5th Floor, # 49, Church Street, Bangalore-01.
- (4) The APCCF (C), MoEF&CC, Regional Office (SZ), Kendriya Sadan, 4th Floor, E&F Wing, 17th Main Road, Koramangala II Block, Bangalore - 34.
- (5) IA Division, Monitoring Cell, MOEF, New Delhi - 3.
- (6) Guard file.

Received 08/09/2017
(Raghu Kumar Kodali)
Director/Scientist F



ಕರ್ನಾಟಕ ರಾಜ್ಯ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿ
Karnataka State Pollution Control Board

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

HD Reg No. 143760 dated 21.02.2018.

KIADB – Chamrajanagar

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

NO. PCB/39/CNP/18/

03-275

Date: 22 JUN 2018

To
The Development Officer,
Karnataka Industrial Area Development Board,
Mysuru KIADB Zonal Office, Metagally,
Industrial Area, KRS Road, Near Vikrant Tyres,
Mysuru – 570 016.

Sir,

Sub: Consent for Establishment (CFE) to develop Industrial Area in an extent of area 591.04 Ha (1460.47 Acres) located Badanakuppe & Kallambelli villages, Chamarajanagara Taluk & District, Karnataka by M/s Industrial Area Development Board (KIADB).
Karnataka ✓

- Ref: 1. CFE applications received at Regional Office, KSPCB, Chamarajanagar on 21.02.2018.
2. Inspection of the proposed project site by Officer of the Regional Office, KSPCB, Chamarajanagar on 22.03.2018.
3. EC vide No. F.No. 21-58/2015-IAIII dated 5.09.2017.
4. Proceedings of the Consent Committee Meeting held on 26.04.2018.



With reference to the above, it is to be informed that this Board hereby accords Consent for Establishment under the Water (Prevention & Control of Pollution) Act 1974, to develop Industrial Area in an extent of area 591.04 Ha (1460.47 Acres) located Badanakuppe & Kallambelli villages, Chamarajanagara Taluk & District, Karnataka subject to the following conditions.

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

(Sadiq Ahmed)
SENIOR ENVIRONMENTAL OFFICER

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

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

- f) The project proponent shall strictly adhere to the conditions stipulated in the Environmental clearance (EC) issued from MOEF & CC, New Delhi vide No. F.No. 21-58/2015-IAIII dated 5.09.2017
- g) The applicant shall strictly adhere to the zoning Regulation with respect to buffer zone towards any Lake, Nala, drain or any other water bodies as per the local planning authority guidelines.
- h) The applicant shall submit final approved plan from competent authority to the Board before taking up any construction activities.

II. WATER CONSUMPTION:

- 1. The water consumption for the above project activity shall not exceed **10068 KLD**. The applicant shall not draw water from borewell without permission of CGWA.

III. WATER POLLUTION CONTROL:

- 1. The total quantity of wastewater shall not exceed **4158.5 KLD** and sewage shall be treated in the sewage treatment plant of capacity **2 x 0.6 MLD & effluent in 1 CETP of capacity 5 MLD** with the treatment scheme as submitted in the STP proposal to meet the standards stipulated below before utilizing for Urban Reuse viz., landscape irrigation, vehicle washing, toilet flushing, use in fire protection and commercial air conditioners. STP shall be constructed on modular basis to cater to phase-wise development and applicant shall follow STP construction and operation guidelines published by the Board and the location of the STP should be above ground level & should be easily accessible to the inspecting officer.

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

(Sadiq Ahmed)
SENIOR ENVIRONMENTAL OFFICER

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

IV. AIR POLLUTION CONTROL:

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

V. NOISE POLLUTION CONTROL:

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

VI. SOLID WASTE DISPOSAL & Hazardous Waste Disposal:

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


 (Sadig Ahmed)
 SENIOR ENVIRONMENTAL OFFICER

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

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

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

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

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

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

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

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

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

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

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

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

VII. HEALTH & SAFETY:

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

VIII. GENERAL:

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


(Sadik Ahmed)
SENIOR ENVIRONMENTAL OFFICER.

4. The applicant shall provide dual piping system in the layout in order to use the treated sewage for toilet flushing, gardening and other secondary purposes.
5. The applicant shall arrange for alternate power supply in the form of D.G. Set to run and operate the essential units of sewage treatment plant, in event of brake down of regular supply from Electricity Board.
6. Exact date of commissioning of the sewage treatment plant shall be informed to this Board 45 days in advance so as to make necessary inspection of the plant and the pollution control measures provided by the applicant
7. The applicant shall appoint a qualified Environmental Engineer/ Scientist for the Management of Environmental aspects and also establish Environmental Cell to oversee the operation of STP.
8. The applicant shall make provisions for wooded Buffer zone all along the periphery of the layout.
9. The applicant shall implement the Environmental Management Plan during construction and after construction as given under EMP report.
10. The applicant shall not change or alter (a) number of Sites (b) Layout plan (c) the quality, quantity or rate of discharge/ emissions and (d) install/replace/alter the water or air pollution control measures without the prior approval of the Board.
11. The applicant shall immediately report to the Board of any accident or unforeseen act or event resulting in release of discharge of effluents or emissions or solid wastes etc., in excess of the standards stipulated, and the applicant shall immediately take appropriate corrective and preventive actions under intimation.
12. The Board reserves the right to review, impose additional condition or conditions, revoke, change or alter the terms and conditions.
13. This consent for establishment is valid Co-terminous with the validity period of Environmental Clearance (EC) issued by MOEF & CC, New Delhi vide letter dtd 05.09.2017.
14. This CFE does not give any right to the Party/Project Authority to forego any legal requirement, which is necessary for setting/operation of the project.
15. The project authorities shall dispose scientifically Bio-Medical waste and electronic waste to authorized common disposal facility and authorized recyclers respectively by entering into agreement as per new Bio Medical Waste Management Rules, 2016 and E- Waste (Management) Rules, 2016.
16. The project authorities shall not use Kharab land if any for any purpose and keep available to the general public duly displaying a board as public property. No structure of any kind be put up in the Kharab land and shall be afforested and maintained as green belt only.


(Sadiq Ahmed)
SENIOR ENVIRONMENTAL OFFICER.

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

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

The receipt of this letter may please be acknowledged.

For and on behalf of
Karnataka State Pollution Control Board


(Saad Ahmed)
SENIOR ENVIRONMENTAL OFFICER.

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RAVARI NIGAM LIMITED

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

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

CORRIGENDUM-3

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

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

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

Sd/- Executive Engineer, Project (West) Division

"Pay development charges, help to develop Bengaluru"



KARNATAKA INDUSTRIAL AREAS DEVELOPMENT BOARD

(A Government of Karnataka Undertaking)

No. 49, East Wing, 4th & 5th Floor, Khanija Bhavan, Race Course
Road, Bengaluru - 560 001, Ph.: 22265383

Fax: 080-22267901 website: www.kiadb.in

e-Mail: cdoce@kiadb.in

PUBLIC ANNOUNCEMENT

(Through GoK e-Procurement Portal Only)

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

A. Environmental Clearance from MoEF&CC

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

B. Environmental Clearance from SEIAA

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

Sd/- Chief Development Officer & Chief Engineer

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ROBUST MATERIALS TECHNOLOGY PVT. LTD.

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

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

TEST REPORT



M/s. Karnataka Industrial Areas Development Board (KIADB). 4th & 5th Floor, East Wing, Khanija Bhavan, Race Course Road, Bengaluru, Karnataka 560 001.	Report No.	: RE/2021/00544
	Report date	: 17/04/2021
	Ref.	: Test Request Form
	Date of Sampling	: 10/04/2021 to 11/04/2021
	Job Order No	: RE/2021/00544
	Date of Receipt	: 12/04/2021
	Analysis Start date	: 13/04/2021
Sample Particulars: Ambient Air Monitoring for 24 hrs.	Analysis Completed date	: 17/04/2021
Name of the Industrial Area: - Chamarajanagara Industrial Area at Badanakuppe & Kallambelli Villages, Chamarajanagara Taluk & District, Karnataka. (Ext- 1460.47 Acres)		
Sample Location: Near Kallembelli Village.		

Sl. No.	Parameters	Results	Limits (As Per NAAQS) For 24hrs	Protocol
1	Particulate Matter PM ₁₀ , µg/m ³	58.6	100	IS-5182 (P-23)
2	Particulate Matter PM _{2.5} , µg/m ³	20.7	60	IS-5182 (P-24)
3	Nitrogen Dioxide NO ₂ , µg/m ³	16.6	80	IS-5182 (P-06)
4	Sulphur dioxide as SO ₂ , µg/m ³	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	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

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

17/4/21
Verified by

17/04/21
Authorized by

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



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

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

TEST REPORT



M/s. Karnataka Industrial Areas Development Board (KIADB). 4th & 5th Floor, East Wing, Khanija Bhavan, Race Course Road, Bengaluru, Karnataka 560 001.	Report No.	: RE/2021/00546
	Report date	: 17/04/2021
	Ref.	: Test Request Form
	Date of Sampling	: 10/04/2021 to 11/04/2021
	Job Order No	: RE/2021/00546
	Date of Receipt	: 12/04/2021
	Analysis Start date	: 13/04/2021
Sample Particulars: Ambient Air Monitoring for 24 hrs.		Analysis Completed date : 17/04/2021
Name of the Industrial Area: - Chamarajanagara Industrial Area at Badanakuppe & Kallambelli Villages, Chamarajanagara Taluk & District, Karnataka. (Ext- 1460.47 Acres)		
Sample Location: Near Mariyala village.		

Sl. No.	Parameters	Results	Limits (As Per NAAQS) For 24hrs	Protocol
1	Particulate Matter PM ₁₀ , µg/m ³	58.5	100	IS-5182 (P-23)
2	Particulate Matter PM _{2.5} , µg/m ³	20.0	60	IS-5182 (P-24)
3	Nitrogen Dioxide NO ₂ , µg/m ³	16.2	80	IS-5182 (P-06)
4	Sulphur dioxide as SO ₂ , µg/m ³	9.3	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.	2816/DTB/2020	941/DTE/2020
Calibrated on date	18-12-2020	22-02-2021
Calibration due date	17-12-2021	21-02-2022

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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).

4th & 5th Floor, East Wing, Khanija Bhavan,
Race Course Road, Bengaluru,
Karnataka 560 001.

Report No.	: RE/2021/00548
Report date	: 17/04/2021
Ref.	: Test Request Form
Date of Sampling	: 10/04/2021 to 11/04/2021
Job Order No	: RE/2021/00548
Date of Receipt	: 12/04/2021
Analysis Start date	: 13/04/2021
Analysis Completed date	: 17/04/2021

Sample Particulars: Ambient Air Monitoring for 24 hrs.

Name of the Industrial Area: - Chamarajanagara Industrial Area at Badanakuppe & Kallambelli Villages, Chamarajanagara Taluk & District, Karnataka. (Ext- 1460.47 Acres)

Sample Location: Near Chikkhomma Village.

Sl. No.	Parameters	Results	Limits (As Per NAAQS) For 24hrs	Protocol
1	Particulate Matter PM ₁₀ , µg/m ³	57.7	100	IS-5182 (P-23)
2	Particulate Matter PM _{2.5} , µg/m ³	19.4	60	IS-5182 (P-24)
3	Nitrogen Dioxide NO ₂ , µg/m ³	17.1	80	IS-5182 (P-06)
4	Sulphur dioxide as SO ₂ , µg/m ³	8.9	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.	2819/DTB/2020	943/DTE/202
Calibrated on date	18-12-2020	22-02-2021
Calibration due date	17-12-2021	21-02-2022

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

4th & 5th Floor, East Wing, Khanija Bhavan,
Race Course Road, Bengaluru,
Karnataka 560 001.

Report No.	: RE/2021/00550
Report date	: 17/04/2021
Ref.	: Test Request Form
Date of Sampling	: 10/04/2021 to 11/04/2021
Job Order No	: RE/2021/00550
Date of Receipt	: 12/04/2021
Analysis Start date	: 13/04/2021
Analysis Completed date	: 17/04/2021

Sample Particulars: Ambient Air Monitoring for 24 hrs.

Name of the Industrial Area: - Chamarajanagara Industrial Area at Badanakuppe & Kallambelli Villages, Chamarajanagara Taluk & District, Karnataka. (Ext- 1460.47 Acres)

Sample Location: Near KPTCL station- Project Site.

Sl. No.	Parameters	Results	Limits (As Per NAAQS) For 24hrs	Protocol
1	Particulate Matter PM ₁₀ , µg/m ³	56.1	100	IS-5182 (P-23)
2	Particulate Matter PM _{2.5} , µg/m ³	18.7	60	IS-5182 (P-24)
3	Nitrogen Dioxide NO ₂ , µg/m ³	13.8	80	IS-5182 (P-06)
4	Sulphur dioxide as SO ₂ , µg/m ³	8.0	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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Note: 1. The results listed refer only to the tested samples and applicable parameters. 2. Test certificate should not be reproduced except in full, without written approval of the laboratory. 3. The submitted samples are drawn by the laboratory unless otherwise specified. 4. Endorsement of product is neither inferred nor implied. 5. Samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified. 6. This report cannot be used as evidence in the court of law & should not be used in any advertising media without our permission in writing. 7. Total liability of our lab is limited to the invoice amount and any disputes arising out of this report are subject to Bangalore jurisdiction only. 8. Laboratory is not responsible for the authenticity of photocopied test reports.

TEST REPORT



M/s. Karnataka Industrial Areas Development Board (KIADB). 4th & 5th Floor, East Wing, Khanija Bhavan, Race Course Road, Bengaluru, Karnataka 560 001.	Report No.	: RE/2021/00568
	Report date	: 17/04/2021
	Ref.	: Test Request Form
	Date of Sampling	: 11/04/2021 to 12/04/2021
	Job Order No	: RE/2021/00568
	Date of Receipt	: 12/04/2021
	Analysis Start date	: 13/04/2021
Sample Particulars: Ambient Air Monitoring for 24 hrs.		Analysis Completed date : 17/04/2021
Name of the Industrial Area: - Chamarajanagara Industrial Area at Badanakuppe & Kallambelli Villages, Chamarajanagara Taluk & District, Karnataka. (Ext- 1460.47 Acres)		
Sample Location: Near Keerthi Marketing- Project site.		

Sl. No.	Parameters	Results	Limits (As Per NAAQS) For 24hrs	Protocol
1	Particulate Matter PM ₁₀ , µg/m ³	53.2	100	IS-5182 (P-23)
2	Particulate Matter PM _{2.5} , µg/m ³	17.5	60	IS-5182 (P-24)
3	Nitrogen Dioxide NO ₂ , µg/m ³	14.0	80	IS-5182 (P-06)
4	Sulphur dioxide as SO ₂ , µg/m ³	8.1	80	IS-5182 (P-02)

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

Details of Equipment used for monitoring		
Name of the equipment	Respirable Dust Sampler	Fine Particulate Sampler
Model	Envirotech 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



M/s. Karnataka Industrial Areas Development Board (KIADB). 4th & 5th Floor, East Wing, Khanija Bhavan, Race Course Road, Bengaluru, Karnataka 560 001.	Report No.	: RE/2021/00570
	Report date	: 17/04/2021
	Ref.	: Test Request Form
	Date of Sampling	: 11/04/2021 to 12/04/2021
	Job Order No	: RE/2021/00570
	Date of Receipt	: 12/04/2021
	Analysis Start date	: 13/04/2021
Sample Particulars: Ambient Air Monitoring for 24 hrs.	Analysis Completed date	: 17/04/2021
Name of the Industrial Area: - Chamarajanagara Industrial Area at Badanakuppe & Kallambelli Villages, Chamarajanagara Taluk & District, Karnataka. (Ext- 1460.47 Acres)		
Sample Location: Near Badanakuppe Village.		

Sl. No.	Parameters	Results	Limits (As Per NAAQS) For 24hrs	Protocol
1	Particulate Matter PM ₁₀ , µg/m ³	62.1	100	IS-5182 (P-23)
2	Particulate Matter PM _{2.5} , µg/m ³	21.8	60	IS-5182 (P-24)
3	Nitrogen Dioxide NO ₂ , µg/m ³	19.5	80	IS-5182 (P-06)
4	Sulphur dioxide as SO ₂ , µg/m ³	11.7	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.	2816/DTB/2020	941/DTE/2020
Calibrated on date	18-12-2020	22-02-2021
Calibration due date	17-12-2021	21-02-2022

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TEST REPORT



M/s. Karnataka Industrial Areas Development Board (KIADB). 4th & 5th Floor, East Wing, Khanija Bhavan, Race Course Road, Bengaluru, Karnataka 560 001.	Report No.	: RE/2021/00572
	Report date	: 17/04/2021
	Ref.	: Test Request Form
	Date of Sampling	: 11/04/2021 to 12/04/2021
	Job Order No	: RE/2021/00572
	Date of Receipt	: 12/04/2021
	Analysis Start date	: 13/04/2021
Sample Particulars: Ambient Air Monitoring for 24 hrs.		Analysis Completed date : 17/04/2021
Name of the Industrial Area: - Chamarajanagara Industrial Area at Badanakuppe & Kallambelli Villages, Chamarajanagara Taluk & District, Karnataka. (Ext- 1460.47 Acres)		
Sample Location: Near Thoravalli Village.		

Sl. No.	Parameters	Results	Limits (As Per NAAQS) For 24hrs	Protocol
1	Particulate Matter PM ₁₀ , µg/m ³	56.2	100	IS-5182 (P-23)
2	Particulate Matter PM _{2.5} , µg/m ³	17.5	60	IS-5182 (P-24)
3	Nitrogen Dioxide NO ₂ , µg/m ³	16.1	80	IS-5182 (P-06)
4	Sulphur dioxide as SO ₂ , µg/m ³	8.6	80	IS-5182 (P-02)

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

Details of Equipment used for monitoring		
Name of the equipment	Respirable Dust Sampler	Fine Particulate Sampler
Model	Envirotech APM-460	Envirotech APM-550 mini
Sl. No.	2819/DTB/2020	943/DTE/202
Calibrated on date	18-12-2020	22-02-2021
Calibration due date	17-12-2021	21-02-2022

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


17/4/21
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20/04/21
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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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M/s. Karnataka Industrial Areas Development Board (KIADB).

4th & 5th Floor, East Wing, Khanija Bhavan,
Race Course Road, Bengaluru,
Karnataka 560 001.

Report No.	: RE/2021/00574
Report date	: 17/04/2021
Ref.	: Test Request Form
Date of Sampling	: 11/04/2021 to 12/04/2021
Job Order No	: RE/2021/00574
Date of Receipt	: 12/04/2021
Analysis Start date	: 13/04/2021
Analysis Completed date	: 17/04/2021

Sample Particulars: Ambient Air Monitoring for 24 hrs.

Name of the Industrial Area: - Chamarajanagara Industrial Area at Badanakuppe & Kallambelli Villages, Chamarajanagara Taluk & District, Karnataka. (Ext- 1460.47 Acres)

Sample Location: Near Gangavadi Village.

Sl. No.	Parameters	Results	Limits (As Per NAAQS) For 24hrs	Protocol
1	Particulate Matter PM ₁₀ , µg/m ³	57.3	100	IS-5182 (P-23)
2	Particulate Matter PM _{2.5} , µg/m ³	20.5	60	IS-5182 (P-24)
3	Nitrogen Dioxide NO ₂ , µg/m ³	17.4	80	IS-5182 (P-06)
4	Sulphur dioxide as SO ₂ , µg/m ³	9.0	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

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


17/4/21
Verified by


17/04/21
Authorized by

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M/s. Karnataka Industrial Areas Development Board (KIADB). 4th & 5th Floor, East Wing, Khanija Bhavan, Race Course Road, Bengaluru, Karnataka 560 001.	Report No.	: RE/2021/00545
	Report date	: 17/04/2021
	Ref.	: Test Request Form
	Date of Sampling	: 10/04/2021 to 11/04/2021
	Job Order No	: RE/2021/00545
	Date of Receipt	: 12/04/2021
	Analysis Start date	: 17/04/2021
		Analysis Completed date : 17/04/2021
Name of the Industrial Area: - Chamarajanagara Industrial Area at Badanakuppe & Kallambelli Villages, Chamarajanagara Taluk & District, Karnataka. (Ext- 1460.47 Acres)		
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/2021/00545	Near Kallambelli village	6:01 AM to 10:00 PM	46.4	62.4	53.8
		10:01 PM to 6:00 AM	35.1	48.1	41.1

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

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

INFERENCE	As per CPCB Standards, Report Status: - The measured values for the above locations are within the standards.
<p style="text-align: center;">-----END OF THE REPORT-----</p> <div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">  17/4/21 Verified by </div> <div style="text-align: center;">  17/04/21 Authorized by </div> </div>	

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TEST REPORT





M/s. Karnataka Industrial Areas Development Board (KIADB). 4th & 5th Floor, East Wing, Khanija Bhavan, Race Course Road, Bengaluru, Karnataka 560 001.	Report No.	: RE/2021/00547
	Report date	: 17/04/2021
	Ref.	: Test Request Form
	Date of Sampling	: 10/04/2021 to 11/04/2021
	Job Order No	: RE/2021/00547
	Date of Receipt	: 12/04/2021
	Analysis Start date	: 17/04/2021
	Analysis Completed date	: 17/04/2021
Name of the Industrial Area: - Chamarajanagara Industrial Area at Badanakuppe & Kallambelli Villages, Chamarajanagara Taluk & District, Karnataka. (Ext- 1460.47 Acres)		
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/2021/00547	Near Mariyala village	6:01 AM to 10:00 PM	47.9	61.2	54.1
		10:01 PM to 6:00 AM	35.1	46.7	40.5

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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M/s. Karnataka Industrial Areas Development Board (KIADB). 4th & 5th Floor, East Wing, Khanija Bhavan, Race Course Road, Bengaluru, Karnataka 560 001.	Report No.	: RE/2021/00549
	Report date	: 17/04/2021
	Ref.	: Test Request Form
	Date of Sampling	: 10/04/2021 to 11/04/2021
	Job Order No	: RE/2021/00549
	Date of Receipt	: 12/04/2021
	Analysis Start date	: 17/04/2021
	Analysis Completed date	: 17/04/2021
Name of the Industrial Area: - ChamaraJanagara Industrial Area at Badanakuppe & Kallambelli Villages, ChamaraJanagara Taluk & District, Karnataka. (Ext- 1460.47 Acres)		
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/2021/00549	Near Chikkahomma Village	6:01 AM to 10:00 PM	47.7	58.3	52.7
		10:01 PM to 6:00 AM	38.5	47.1	42.6

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.
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INFERENCE	As per CPCB Standards, Report Status: - The measured values for the above locations are within the standards.
<p style="text-align: center;">-----END OF THE REPORT-----</p> <div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">  17/4/21 Verified by </div> <div style="text-align: center;">  17/04/21 Authorized Signatory </div> </div>	

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TEST REPORT

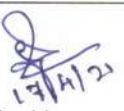



M/s. Karnataka Industrial Areas Development Board (KIADB). 4th & 5th Floor, East Wing, Khanija Bhavan, Race Course Road, Bengaluru, Karnataka 560 001.	Report No.	: RE/2021/00551
	Report date	: 17/04/2021
	Ref.	: Test Request Form
	Date of Sampling	: 10/04/2021 to 11/04/2021
	Job Order No	: RE/2021/00551
	Date of Receipt	: 12/04/2021
	Analysis Start date	: 17/04/2021
	Analysis Completed date	: 17/04/2021
Name of the Industrial Area: - Chamarajanagara Industrial Area at Badanakuppe & Kallambelli Villages, Chamarajanagara Taluk & District, Karnataka. (Ext- 1460.47 Acres)		
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/2021/00551	Near KPTCL station- Project site	6:01 AM to 10:00 PM	38.2	68.5	51.2
		10:01 PM to 6:00 AM	35.7	50.4	42.4

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

- Day Time is reckoned between 6 A.M and 10 P.M.
- Night Time is reckoned between 10 P.M and 6 A.M.
- Leq: It is energy mean of the noise level over a specified period.
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- 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.
 Verified by	<p>-----END OF THE REPORT-----</p>  Authorized Signatory

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

TEST REPORT





M/s. Karnataka Industrial Areas Development Board (KIADB). 4th & 5th Floor, East Wing, Khanija Bhavan, Race Course Road, Bengaluru, Karnataka 560 001.	Report No.	: RE/2021/00569
	Report date	: 17/04/2021
	Ref.	: Test Request Form
	Date of Sampling	: 11/04/2021 to 12/04/2021
	Job Order No	: RE/2021/00569
	Date of Receipt	: 12/04/2021
	Analysis Start date	: 17/04/2021
	Analysis Completed date	: 17/04/2021
Name of the Industrial Area: - Chamarajanagara Industrial Area at Badanakuppe & Kallambelli Villages, Chamarajanagara Taluk & District, Karnataka. (Ext- 1460.47 Acres)		
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/2021/00569	Near Keerthi Marketing- Project site	6:01 AM to 10:00 PM	45.9	67.7	55.7
		10:01 PM to 6:00 AM	38.4	47.9	42.9

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

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

INFERENCE	As per CPCB Standards, Report Status: - The measured values for the above locations are within the standards.
<p style="text-align: center;">-----END OF THE REPORT-----</p> <div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">  Verified by </div> <div style="text-align: center;">  Authorized by </div> </div>	

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TEST REPORT



M/s. Karnataka Industrial Areas Development Board (KIADB). 4th & 5th Floor, East Wing, Khanija Bhavan, Race Course Road, Bengaluru, Karnataka 560 001.	Report No.	: RE/2021/00571
	Report date	: 17/04/2021
	Ref.	: Test Request Form
	Date of Sampling	: 11/04/2021 to 12/04/2021
	Job Order No	: RE/2021/00571
	Date of Receipt	: 12/04/2021
	Analysis Start date	: 17/04/2021
	Analysis Completed date	: 17/04/2021
Name of the Industrial Area: - Chamarajanagara Industrial Area at Badanakuppe & Kallambelli Villages, Chamarajanagara Taluk & District, Karnataka. (Ext- 1460.47 Acres)		
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/2021/00571	Near Badanakuppe village	6:01 AM to 10:00 PM	45.2	64	53.8
		10:01 PM to 6:00 AM	36.2	48.7	42.0

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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- "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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TEST REPORT

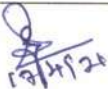



M/s. Karnataka Industrial Areas Development Board (KIADB). 4th & 5th Floor, East Wing, Khanija Bhavan, Race Course Road, Bengaluru, Karnataka 560 001.	Report No.	: RE/2021/00573
	Report date	: 17/04/2021
	Ref.	: Test Request Form
	Date of Sampling	: 11/04/2021 to 12/04/2021
	Job Order No	: RE/2021/00573
	Date of Receipt	: 12/04/2021
	Analysis Start date	: 17/04/2021
Analysis Completed date		: 17/04/2021
Name of the Industrial Area: - Chamarajanagara Industrial Area at Badanakuppe & Kallambelli Villages, Chamarajanagara Taluk & District, Karnataka. (Ext- 1460.47 Acres)		
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/2021/00573	Near Thoravalli Village	6:01 AM to 10:00 PM	43.8	65.8	53.7
		10:01 PM to 6:00 AM	37.4	52.2	44.2

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

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INFERENCE	As per CPCB Standards,
	Report Status: - The measured values for the above locations are within the standards.
<p style="text-align: center;">-----END OF THE REPORT-----</p>	
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M/s. Karnataka Industrial Areas Development Board (KIADB). 4th & 5th Floor, East Wing, Khanija Bhavan, Race Course Road, Bengaluru, Karnataka 560 001.	Report No.	: RE/2021/00575
	Report date	: 17/04/2021
	Ref.	: Test Request Form
	Date of Sampling	: 11/04/2021 to 12/04/2021
	Job Order No	: RE/2021/00575
	Date of Receipt	: 12/04/2021
	Analysis Start date	: 17/04/2021
Analysis Completed date		: 17/04/2021
Name of the Industrial Area: - Chamarajanagara Industrial Area at Badanakuppe & Kallambelli Villages, Chamarajanagara Taluk & District, Karnataka. (Ext- 1460.47 Acres)		
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/2021/00575	Near Gangavadi village	6:01 AM to 10:00 PM	41.7	65.4	52.2
		10:01 PM to 6:00 AM	37.2	50.1	43.2

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

- Day Time is reckoned between 6 A.M and 10 P.M.
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- "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.
<div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">  Verified by </div> <div style="text-align: center;"> <p>-----END OF THE REPORT-----</p>  Authorized Signatory </div> </div>	

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

TEST REPORT



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

4th & 5th Floor, East Wing, Khanija Bhavan,
Race Course Road, Bengaluru,
Karnataka 560 001.

Report No. : RE/2021/00552

Report date : 22/04/2021

Reference : Test Request Form

Sample receipt date : 12/04/2021

Job Order No : RE/2021/00552

Date of Sampling : 11/04/2021

Analysis start date : 12/04/2021

Analysis completion date : 22/04/2021

Sampling Protocol : E/WP/65

Sample Qty: 2 Ltrs

Name of the Industrial Area: - Chamarajanagara Industrial Area at Badanakuppe & Kallambelli Villages, Chamarajanagara Taluk & District, Karnataka. (Ext- 1460.47 Acres)

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

Sl. No.	Tests	Results	Maximum Desirable Limit IS 10500: 2012	Maximum Permissible Limit IS 10500: 2012	Protocol
Description: Colorless liquid.					
1	Color (hazen units)	<2.0	5	15	IS 3025 (Part- 4): 1983 Reaff.2017
2	Odour	Agreeable	Agreeable	Agreeable	IS 3025 (Part – 5): 1983 Reaff.2018
3	pH Value	8.24	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	38.6	250	1000	IS 3025 (Part – 32): 1988 Reaff.2019
6	Total hardness as CaCO ₃ , mg/L	189.7	200	600	IS 3025 (Part – 21): 2009 Reaff.2019
7	Calcium as Ca, mg/L	42.9	75	200	IS 3025 (Part – 40): 1991 Reaff.2019
8	Magnesium as Mg, mg/L	20.02	30	100	IS 3025 (Part – 46): 1994 Reaff.2019
9	Total dissolved Solids, mg/L	241.0	500	2000	IS 3025 (Part – 16): 1984 Reaff.2017
10	Sulphate as SO ₄ , mg/L	42.6	200	400	IS 3025 (Part – 24): 1986 Reaff.2019
11	Nitrate as NO ₃ , mg/L	5.6	45.0	No relaxation	APHA 23 rd Edition
12	Fluoride as F, mg/L	0.2	1.0	1.5	APHA 23 rd Edition
13	Iron as Fe, mg/L	BDL	0.3	No relaxation	APHA 23 rd Edition
14	Lead as Pb, mg/L	BDL	0.01	No relaxation	IS 3025 (Part – 47): 1994 Reaff 2019
15	Copper as Cu, mg/L	BDL	0.05	1.5	APHA 23 rd Edition
16	Zinc as Zn, mg/L	BDL	5	15	IS 3025 (Part – 49): 1994 Reaff 2019


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

4th & 5th Floor, East Wing, Khanija Bhavan,
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Karnataka 560 001.

Report No.	: RE/2021/00552
Report date	: 22/04/2021
Reference	: Test Request Form
Sample receipt date	: 12/04/2021
Job Order No	: RE/2021/00552
Date of Sampling	: 11/04/2021
Analysis start date	: 12/04/2021
Analysis completion date	: 22/04/2021
Sampling Protocol	: E/WP/65

Sample Qty: 2 Ltrs

Name of the Industrial Area: - Chamarajanagara Industrial Area at Badanakuppe & Kallambelli Villages, Chamarajanagara Taluk & District, Karnataka. (Ext- 1460.47 Acres)

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

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

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

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

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

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

4th & 5th Floor, East Wing, Khanija Bhavan,
Race Course Road, Bengaluru,
Karnataka 560 001.

Report No.	: RE/2021/00553
Report date	: 22/04/2021
Reference	: Test Request Form
Sample receipt date	: 12/04/2021
Job Order No	: RE/2021/00553
Date of Sampling	: 11/04/2021
Analysis start date	: 12/04/2021
Analysis completion date	: 22/04/2021
Sampling Protocol	: E/WP/65

Sample Qty: 2 Ltrs

Name of the Industrial Area: - Chamarajanagara Industrial Area at Badanakuppe & Kallambelli Villages, Chamarajanagara Taluk & District, Karnataka. (Ext- 1460.47 Acres)

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

Sl. No.	Tests	Results	Maximum Desirable Limit IS 10500: 2012	Maximum Permissible Limit IS 10500: 2012	Protocol
Description: Colorless liquid.					
1	Color (hazen units)	<2.0	5	15	IS 3025 (Part- 4): 1983 Reaff.2017
2	Odour	Agreeable	Agreeable	Agreeable	IS 3025 (Part – 5): 1983 Reaff.2018
3	pH Value	8.18	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	260.3	250	1000	IS 3025 (Part – 32): 1988 Reaff.2019
6	Total hardness as CaCO ₃ , mg/L	391.8	200	600	IS 3025 (Part – 21): 2009 Reaff.2019
7	Calcium as Ca, mg/L	145.3	75	200	IS 3025 (Part – 40): 1991 Reaff.2019
8	Magnesium as Mg, mg/L	7.0	30	100	IS 3025 (Part – 46): 1994 Reaff.2019
9	Total dissolved Solids, mg/L	1014.0	500	2000	IS 3025 (Part – 16): 1984 Reaff.2017
10	Sulphate as SO ₄ , mg/L	44.2	200	400	IS 3025 (Part – 24): 1986 Reaff.2019
11	Nitrate as NO ₃ , mg/L	5.1	45.0	No relaxation	APHA 23 rd Edition
12	Fluoride as F, mg/L	0.2	1.0	1.5	APHA 23 rd Edition
13	Iron as Fe, mg/L	BDL	0.3	No relaxation	APHA 23 rd Edition
14	Lead as Pb, mg/L	BDL	0.01	No relaxation	IS 3025 (Part – 47): 1994 Reaff 2019
15	Copper as Cu, mg/L	BDL	0.05	1.5	APHA 23 rd Edition
16	Zinc as Zn, mg/L	BDL	5	15	IS 3025 (Part – 49): 1994 Reaff 2019

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Karnataka 560 001.

Report No.	: RE/2021/00553
Report date	: 22/04/2021
Reference	: Test Request Form
Sample receipt date	: 12/04/2021
Job Order No	: RE/2021/00553
Date of Sampling	: 11/04/2021
Analysis start date	: 12/04/2021
Analysis completion date	: 22/04/2021
Sampling Protocol	: E/WP/65

Sample Qty: 2 Ltrs

Name of the Industrial Area: - Chamarajanagara Industrial Area at Badanakuppe & Kallambelli Villages, Chamarajanagara Taluk & District, Karnataka. (Ext- 1460.47 Acres)

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

Sl. No.	Tests	Results	Maximum Desirable Limit IS 10500: 2012	Maximum Permissible Limit IS 10500: 2012	Protocol
17	Chromium as Cr, mg/L	BDL	0.05	No relaxation	APHA 23 rd Edition
18	Dissolved oxygen, mg/L	4.2	-	-	APHA 23 rd Edition

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

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

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

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TEST REPORT



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

4th & 5th Floor, East Wing, Khanija Bhavan,
Race Course Road, Bengaluru,
Karnataka 560 001.

Report No.	: RE/2021/00554
Report date	: 22/04/2021
Reference	: Test Request Form
Sample receipt date	: 12/04/2021
Job Order No	: RE/2021/00554
Date of Sampling	: 11/04/2021
Analysis start date	: 12/04/2021
Analysis completion date	: 22/04/2021
Sampling Protocol	: E/WP/65

Sample Qty: 2 Ltrs

Name of the Industrial Area: - Chamarajanagara Industrial Area at Badanakuppe & Kallambelli Villages, Chamarajanagara Taluk & District, Karnataka. (Ext- 1460.47 Acres)

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

Sl. No.	Tests	Results	Maximum Desirable Limit IS 10500: 2012	Maximum Permissible Limit IS 10500: 2012	Protocol
Description: Colorless liquid.					
1	Color (hazen units)	<2.0	5	15	IS 3025 (Part- 4): 1983 Reaff.2017
2	Odour	Agreeable	Agreeable	Agreeable	IS 3025 (Part – 5): 1983 Reaff.2018
3	pH Value	8.17	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	33.7	250	1000	IS 3025 (Part – 32): 1988 Reaff.2019
6	Total hardness as CaCO ₃ , mg/L	169.1	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	19.02	30	100	IS 3025 (Part – 46): 1994 Reaff.2019
9	Total dissolved Solids, mg/L	223.0	500	2000	IS 3025 (Part – 16): 1984 Reaff.2017
10	Sulphate as SO ₄ , mg/L	44.2	200	400	IS 3025 (Part – 24): 1986 Reaff.2019
11	Nitrate as NO ₃ , mg/L	5.2	45.0	No relaxation	APHA 23 rd Edition
12	Fluoride as F, mg/L	0.3	1.0	1.5	APHA 23 rd Edition
13	Iron as Fe, mg/L	BDL	0.3	No relaxation	APHA 23 rd Edition
14	Lead as Pb, mg/L	BDL	0.01	No relaxation	IS 3025 (Part – 47): 1994 Reaff 2019
15	Copper as Cu, mg/L	BDL	0.05	1.5	APHA 23 rd Edition
16	Zinc as Zn, mg/L	BDL	5	15	IS 3025 (Part – 49): 1994 Reaff 2019

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Karnataka 560 001.

Report No.	: RE/2021/00554
Report date	: 22/04/2021
Reference	: Test Request Form
Sample receipt date	: 12/04/2021
Job Order No	: RE/2021/00554
Date of Sampling	: 11/04/2021
Analysis start date	: 12/04/2021
Analysis completion date	: 22/04/2021
Sampling Protocol	: E/WP/65

Sample Qty: 2 Ltrs

Name of the Industrial Area: - Chamarajanagara Industrial Area at Badanakuppe & Kallambelli Villages, Chamarajanagara Taluk & District, Karnataka. (Ext- 1460.47 Acres)

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

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

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

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

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

4th & 5th Floor, East Wing, Khanija Bhavan,
Race Course Road, Bengaluru,
Karnataka 560 001.

Report No.	: RE/2021/00555
Report date	: 22/04/2021
Reference	: Test Request Form
Sample receipt date	: 12/04/2021
Job Order No	: RE/2021/00555
Date of Sampling	: 11/04/2021
Analysis start date	: 12/04/2021
Analysis completion date	: 22/04/2021
Sampling Protocol	: E/WP/65

Sample Qty: 2 Ltrs

Name of the Industrial Area: - Chamarajanagara Industrial Area at Badanakuppe & Kallambelli Villages, Chamarajanagara Taluk & District, Karnataka. (Ext- 1460.47 Acres)

Sample Particulars: One sample of Borewell Water - Near KPTCL station- Project Site.

Sl. No.	Tests	Results	Maximum Desirable Limit IS 10500: 2012	Maximum Permissible Limit IS 10500: 2012	Protocol
Description: Colorless liquid.					
1	Color (hazen units)	<2.0	5	15	IS 3025 (Part- 4): 1983 Reaff.2017
2	Odour	Agreeable	Agreeable	Agreeable	IS 3025 (Part - 5): 1983 Reaff.2018
3	pH Value	8.08	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	28.9	250	1000	IS 3025 (Part - 32): 1988 Reaff.2019
6	Total hardness as CaCO ₃ , mg/L	288.6	200	600	IS 3025 (Part - 21): 2009 Reaff.2019
7	Calcium as Ca, mg/L	74.3	75	200	IS 3025 (Part - 40): 1991 Reaff.2019
8	Magnesium as Mg, mg/L	25.0	30	100	IS 3025 (Part - 46): 1994 Reaff.2019
9	Total dissolved Solids, mg/L	462.0	500	2000	IS 3025 (Part - 16): 1984 Reaff.2017
10	Sulphate as SO ₄ , mg/L	40.2	200	400	IS 3025 (Part - 24): 1986 Reaff.2019
11	Nitrate as NO ₃ , mg/L	5.1	45.0	No relaxation	APHA 23 rd Edition
12	Fluoride as F, mg/L	0.2	1.0	1.5	APHA 23 rd Edition
13	Iron as Fe, mg/L	BDL	0.3	No relaxation	APHA 23 rd Edition
14	Lead as Pb, mg/L	BDL	0.01	No relaxation	IS 3025 (Part - 47): 1994 Reaff 2019
15	Copper as Cu, mg/L	BDL	0.05	1.5	APHA 23 rd Edition
16	Zinc as Zn, mg/L	BDL	5	15	IS 3025 (Part - 49): 1994 Reaff 2019

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TEST REPORT

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

4th & 5th Floor, East Wing, Khanija Bhavan,
Race Course Road, Bengaluru,
Karnataka 560 001.

Report No.	: RE/2021/00555
Report date	: 22/04/2021
Reference	: Test Request Form
Sample receipt date	: 12/04/2021
Job Order No	: RE/2021/00555.
Date of Sampling	: 11/04/2021
Analysis start date	: 12/04/2021
Analysis completion date	: 22/04/2021
Sampling Protocol	: E/WP/65

Sample Qty: 2 Ltrs

Name of the Industrial Area: - Chamarajanagara Industrial Area at Badanakuppe & Kallambelli Villages, Chamarajanagara Taluk & District, Karnataka. (Ext- 1460.47 Acres)

Sample Particulars: One sample of Borewell Water - Near KPTCL station-Project Site.

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

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

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

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

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

4th & 5th Floor, East Wing, Khanija Bhavan,
Race Course Road, Bengaluru,
Karnataka 560 001.

Report No.	: RE/2021/00556
Report date	: 22/04/2021
Reference	: Test Request Form
Sample receipt date	: 12/04/2021
Job Order No	: RE/2021/00556
Date of Sampling	: 11/04/2021
Analysis start date	: 12/04/2021
Analysis completion date	: 22/04/2021
Sampling Protocol	: E/WP/65

Sample Qty: 2 Ltrs

Name of the Industrial Area: - Chamarajanagara Industrial Area at Badanakuppe & Kallambelli Villages, Chamarajanagara Taluk & District, Karnataka. (Ext- 1460.47 Acres)

Sample Particulars: One sample of Borewell Water - Near Keerthi Marketing-Project Site.

Sl. No.	Tests	Results	Maximum Desirable Limit IS 10500: 2012	Maximum Permissible Limit IS 10500: 2012	Protocol
Description: Colorless liquid.					
1	Color (hazen units)	<2.0	5	15	IS 3025 (Part- 4): 1983 Reaff.2017
2	Odour	Agreeable	Agreeable	Agreeable	IS 3025 (Part – 5): 1983 Reaff.2018
3	pH Value	8.21	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	28.9	250	1000	IS 3025 (Part – 32): 1988 Reaff.2019
6	Total hardness as CaCO ₃ , mg/L	272.2	200	600	IS 3025 (Part – 21): 2009 Reaff.2019
7	Calcium as Ca, mg/L	67.7	75	200	IS 3025 (Part – 40): 1991 Reaff.2019
8	Magnesium as Mg, mg/L	25.0	30	100	IS 3025 (Part – 46): 1994 Reaff.2019
9	Total dissolved Solids, mg/L	391.0	500	2000	IS 3025 (Part – 16): 1984 Reaff.2017
10	Sulphate as SO ₄ , mg/L	46.8	200	400	IS 3025 (Part – 24): 1986 Reaff.2019
11	Nitrate as NO ₃ , mg/L	3.9	45.0	No relaxation	APHA 23 rd Edition
12	Fluoride as F, mg/L	0.2	1.0	1.5	APHA 23 rd Edition
13	Iron as Fe, mg/L	BDL	0.3	No relaxation	APHA 23 rd Edition
14	Lead as Pb, mg/L	BDL	0.01	No relaxation	IS 3025 (Part – 47): 1994 Reaff 2019
15	Copper as Cu, mg/L	BDL	0.05	1.5	APHA 23 rd Edition
16	Zinc as Zn, mg/L	BDL	5	15	IS 3025 (Part – 49): 1994 Reaff 2019

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

4th & 5th Floor, East Wing, Khanija Bhavan,
Race Course Road, Bengaluru,
Karnataka 560 001.

Report No.	: RE/2021/00556
Report date	: 22/04/2021
Reference	: Test Request Form
Sample receipt date	: 12/04/2021
Job Order No	: RE/2021/00556
Date of Sampling	: 11/04/2021
Analysis start date	: 12/04/2021
Analysis completion date	: 22/04/2021
Sampling Protocol	: E/WP/65

Sample Qty: 2 Ltrs

Name of the Industrial Area: - Chamarajanagara Industrial Area at Badanakuppe & Kallambelli Villages, Chamarajanagara Taluk & District, Karnataka. (Ext- 1460.47 Acres)

Sample Particulars: One sample of Borewell Water - Near Keerthi Marketing- Project Site.

Sl. No.	Tests	Results	Maximum Desirable Limit IS 10500: 2012	Maximum Permissible Limit IS 10500: 2012	Protocol
17	Chromium as Cr, mg/L	BDL	0.05	No relaxation	APHA 23 rd Edition
18	Dissolved oxygen, mg/L	3.1	-	-	APHA 23 rd Edition

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

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

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

4th & 5th Floor, East Wing, Khanija Bhavan,
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Karnataka 560 001.

Report No.	: RE/2021/00557
Report date	: 22/04/2021
Reference	: Test Request Form
Sample receipt date	: 12/04/2021
Job Order No	: RE/2021/00557
Date of Sampling	: 11/04/2021
Analysis start date	: 12/04/2021
Analysis completion date	: 22/04/2021
Sampling Protocol	: E/WP/65

Sample Qty: 2 Ltrs

Name of the Industrial Area: - Chamarajanagara Industrial Area at Badanakuppe & Kallambelli Villages, Chamarajanagara Taluk & District, Karnataka. (Ext- 1460.47 Acres)

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

Sl. No.	Tests	Results	Maximum Desirable Limit IS 10500: 2012	Maximum Permissible Limit IS 10500: 2012	Protocol
Description: Colorless liquid.					
1	Color (hazen units)	<2.0	5	15	IS 3025 (Part- 4): 1983 Reaff.2017
2	Odour	Agreeable	Agreeable	Agreeable	IS 3025 (Part – 5): 1983 Reaff.2018
3	pH Value	8.22	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	53.0	250	1000	IS 3025 (Part – 32): 1988 Reaff.2019
6	Total hardness as CaCO ₃ , mg/L	317.5	200	600	IS 3025 (Part – 21): 2009 Reaff.2019
7	Calcium as Ca, mg/L	59.4	75	200	IS 3025 (Part – 40): 1991 Reaff.2019
8	Magnesium as Mg, mg/L	41.0	30	100	IS 3025 (Part – 46): 1994 Reaff.2019
9	Total dissolved Solids, mg/L	538.0	500	2000	IS 3025 (Part – 16): 1984 Reaff.2017
10	Sulphate as SO ₄ , mg/L	42.8	200	400	IS 3025 (Part – 24): 1986 Reaff.2019
11	Nitrate as NO ₃ , mg/L	5.2	45.0	No relaxation	APHA 23 rd Edition
12	Fluoride as F, mg/L	0.2	1.0	1.5	APHA 23 rd Edition
13	Iron as Fe, mg/L	BDL	0.3	No relaxation	APHA 23 rd Edition
14	Lead as Pb, mg/L	BDL	0.01	No relaxation	IS 3025 (Part – 47): 1994 Reaff 2019
15	Copper as Cu, mg/L	BDL	0.05	1.5	APHA 23 rd Edition
16	Zinc as Zn, mg/L	BDL	5	15	IS 3025 (Part – 49): 1994 Reaff 2019

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Karnataka 560 001.

Report No.	: RE/2021/00557
Report date	: 22/04/2021
Reference	: Test Request Form
Sample receipt date	: 12/04/2021
Job Order No	: RE/2021/00557
Date of Sampling	: 11/04/2021
Analysis start date	: 12/04/2021
Analysis completion date	: 22/04/2021
Sampling Protocol	: E/WP/65

Sample Qty: 2 Ltrs

Name of the Industrial Area: - Chamarajanagara Industrial Area at Badanakuppe & Kallambelli Villages, Chamarajanagara Taluk & District, Karnataka. (Ext- 1460.47 Acres)

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

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

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

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

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

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TEST REPORT



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

4th & 5th Floor, East Wing, Khanija Bhavan,
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Karnataka 560 001.

Report No.	: RE/2021/00558
Report date	: 22/04/2021
Reference	: Test Request Form
Sample receipt date	: 12/04/2021
Job Order No	: RE/2021/00558
Date of Sampling	: 11/04/2021
Analysis start date	: 12/04/2021
Analysis completion date	: 22/04/2021
Sampling Protocol	: E/WP/65

Sample Qty: 2 Ltrs

Name of the Industrial Area: - Chamarajanagara Industrial Area at Badanakuppe & Kallambelli Villages, Chamarajanagara Taluk & District, Karnataka. (Ext- 1460.47 Acres)

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

Sl. No.	Tests	Results	Maximum Desirable Limit IS 10500: 2012	Maximum Permissible Limit IS 10500: 2012	Protocol
Description: Colorless liquid.					
1	Color (hazen units)	<2.0	5	15	IS 3025 (Part- 4): 1983 Reaff.2017
2	Odour	Agreeable	Agreeable	Agreeable	IS 3025 (Part – 5): 1983 Reaff.2018
3	pH Value	7.73	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	96.4	250	1000	IS 3025 (Part – 32): 1988 Reaff.2019
6	Total hardness as CaCO ₃ , mg/L	346.4	200	600	IS 3025 (Part – 21): 2009 Reaff.2019
7	Calcium as Ca, mg/L	59.4	75	200	IS 3025 (Part – 40): 1991 Reaff.2019
8	Magnesium as Mg, mg/L	48.1	30	100	IS 3025 (Part – 46): 1994 Reaff.2019
9	Total dissolved Solids, mg/L	580.0	500	2000	IS 3025 (Part – 16): 1984 Reaff.2017
10	Sulphate as SO ₄ , mg/L	42.8	200	400	IS 3025 (Part – 24): 1986 Reaff.2019
11	Nitrate as NO ₃ , mg/L	5.2	45.0	No relaxation	APHA 23 rd Edition
12	Fluoride as F, mg/L	0.2	1.0	1.5	APHA 23 rd Edition
13	Iron as Fe, mg/L	BDL	0.3	No relaxation	APHA 23 rd Edition
14	Lead as Pb, mg/L	BDL	0.01	No relaxation	IS 3025 (Part – 47): 1994 Reaff 2019
15	Copper as Cu, mg/L	BDL	0.05	1.5	APHA 23 rd Edition
16	Zinc as Zn, mg/L	BDL	5	15	IS 3025 (Part – 49): 1994 Reaff 2019

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Report No.	: RE/2021/00558
Report date	: 22/04/2021
Reference	: Test Request Form
Sample receipt date	: 12/04/2021
Job Order No	: RE/2021/00558
Date of Sampling	: 11/04/2021
Analysis start date	: 12/04/2021
Analysis completion date	: 22/04/2021
Sampling Protocol	: E/WP/65

Sample Qty: 2 Ltrs

Name of the Industrial Area: - Chamarajanagara Industrial Area at Badanakuppe & Kallambelli Villages, Chamarajanagara Taluk & District, Karnataka. (Ext- 1460.47 Acres)

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

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

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

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

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Karnataka 560 001.

Report No.	: RE/2021/00559
Report date	: 22/04/2021
Reference	: Test Request Form
Sample receipt date	: 12/04/2021
Job Order No	: RE/2021/00559
Date of Sampling	: 11/04/2021
Analysis start date	: 12/04/2021
Analysis completion date	: 22/04/2021
Sampling Protocol	: E/WP/65

Sample Qty: 2 Ltrs

Name of the Industrial Area: - Chamarajanagara Industrial Area at Badanakuppe & Kallambelli Villages, Chamarajanagara Taluk & District, Karnataka. (Ext- 1460.47 Acres)

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

Sl. No.	Tests	Results	Maximum Desirable Limit IS 10500: 2012	Maximum Permissible Limit IS 10500: 2012	Protocol
Description: Colorless liquid.					
1	Color (hazen units)	<2.0	5	15	IS 3025 (Part- 4): 1983 Reaff.2017
2	Odour	Agreeable	Agreeable	Agreeable	IS 3025 (Part – 5): 1983 Reaff.2018
3	pH Value	7.83	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	409.8	250	1000	IS 3025 (Part – 32): 1988 Reaff.2019
6	Total hardness as CaCO ₃ , mg/L	453.6	200	600	IS 3025 (Part – 21): 2009 Reaff.2019
7	Calcium as Ca, mg/L	173.3	75	200	IS 3025 (Part – 40): 1991 Reaff.2019
8	Magnesium as Mg, mg/L	5.0	30	100	IS 3025 (Part – 46): 1994 Reaff.2019
9	Total dissolved Solids, mg/L	1362.0	500	2000	IS 3025 (Part – 16): 1984 Reaff.2017
10	Sulphate as SO ₄ , mg/L	44.6	200	400	IS 3025 (Part – 24): 1986 Reaff.2019
11	Nitrate as NO ₃ , mg/L	5.4	45.0	No relaxation	APHA 23 rd Edition
12	Fluoride as F, mg/L	0.3	1.0	1.5	APHA 23 rd Edition
13	Iron as Fe, mg/L	BDL	0.3	No relaxation	APHA 23 rd Edition
14	Lead as Pb, mg/L	BDL	0.01	No relaxation	IS 3025 (Part – 47): 1994 Reaff 2019
15	Copper as Cu, mg/L	BDL	0.05	1.5	APHA 23 rd Edition
16	Zinc as Zn, mg/L	BDL	5	15	IS 3025 (Part – 49): 1994 Reaff 2019
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Report No.	: RE/2021/00559
Report date	: 22/04/2021
Reference	: Test Request Form
Sample receipt date	: 12/04/2021
Job Order No	: RE/2021/00559
Date of Sampling	: 11/04/2021
Analysis start date	: 12/04/2021
Analysis completion date	: 22/04/2021
Sampling Protocol	: E/WP/65

Sample Qty: 2 Ltrs

Name of the Industrial Area: - Chamarajanagara Industrial Area at Badanakuppe & Kallambelli Villages, Chamarajanagara Taluk & District, Karnataka. (Ext- 1460.47 Acres)

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

Sl. No.	Tests	Results	Maximum Desirable Limit IS 10500: 2012	Maximum Permissible Limit IS 10500: 2012	Protocol
17	Chromium as Cr, mg/L	BDL	0.05	No relaxation	APHA 23 rd Edition
18	Dissolved oxygen, mg/L	3.1	-	-	APHA 23 rd Edition

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

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

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

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Report No.	: RE/2021/00560
Report date	: 22/04/2021
reference	: Test Request Form
Sample receipt date	: 12/04/2021
Job Order No	: RE/2021/00560
Date of Sampling	: 11/04/2021
Analysis start date	: 12/04/2021
Analysis completion date	: 22/04/2021
Sampling Protocol	: E/WP/77

Sample Qty: 1kg

Name of the Industrial Area: - Chamarajanagara Industrial Area at Badanakuppe & Kallambelli Villages, Chamarajanagara taluk & district, Karnataka. (Ext- 1460.47 Acres).

Sample Particulars: One Soil Sample- Near Kallambelli village.

Sl. No.	Test	Result	Protocol
Description: Brown Colored Soil.			
1	pH (20% Suspension)	8.21	Practical Manual for Hands on training GKVK Bengaluru
2	Conductivity, μ mhos/cm	114.0	Practical Manual for Hands on training GKVK Bengaluru
3	Chloride as Cl, mg/Kg	70.4	Practical Manual for Hands on training GKVK Bengaluru
4	Moisture, %	37.4	Practical Manual for Hands on training GKVK Bengaluru
5	Organic Matter, %	0.76	Practical Manual for Hands on training GKVK Bengaluru
6	Calcium as Ca, mg/Kg	697.4	Practical Manual for Hands on training GKVK Bengaluru
7	Magnesium Mg, mg/Kg	172.8	Practical Manual for Hands on training GKVK Bengaluru

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Report No.	: RE/2021/00560
Report date	: 22/04/2021
reference	: Test Request Form
Sample receipt date	: 12/04/2021
Job Order No	: RE/2021/00560
Date of Sampling	: 11/04/2021
Analysis start date	: 12/04/2021
Analysis completion date	: 22/04/2021
Sampling Protocol	: E/WP/77

Sample Qty : 1kg

Name of the Industrial Area: - Chamarajanagara Industrial Area at Badanakuppe & Kallambelli Villages, Chamarajanagara taluk & district, Karnataka. (Ext- 1460.47 Acres)

Sample Particulars: One Soil Sample- Near Kallambelli village.

Sl. No.	Test	Result	Protocol
8	Colour	Brown	Practical Manual for Hands on training GKV Bengaluru
9	Sulphur as S, mg/Kg	3.42	Practical Manual for Hands on training GKV Bengaluru
10	Nitrogen as N, %	0.011	Practical Manual for Hands on training GKV Bengaluru
11	Phosphorous as P, mg/Kg	4.98	Practical Manual for Hands on training GKV Bengaluru
12	Potassium as K, mg/Kg	289.1	Practical Manual for Hands on training GKV Bengaluru
13	Copper as Cu, mg/Kg	13.2	Practical Manual for Hands on training GKV Bengaluru
14	Chromium as Cr, mg/Kg	45.5	Practical Manual for Hands on training GKV Bengaluru
15	Zinc as Zn, mg/Kg	35.5	Practical Manual for Hands on training GKV Bengaluru
16	Lead as Pb, mg/Kg	11.3	Practical Manual for Hands on training GKV Bengaluru
17	Nickel as Ni, mg/Kg	10.3	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 No.	: RE/2021/00561
Report date	: 22/04/2021
reference	: Test Request Form
Sample receipt date	: 12/04/2021
Job Order No	: RE/2021/00561
Date of Sampling	: 11/04/2021
Analysis start date	: 12/04/2021
Analysis completion date	: 22/04/2021
Sampling Protocol	: E/WP/77

Sample Qty : 1kg

Name of the Industrial Area: - Chamarajanagara Industrial Area at Badanakuppe & Kallambelli Villages, Chamarajanagara taluk & district, Karnataka. (Ext- 1460.47 Acres)

Sample Particulars: One Soil Sample- Near Mariyala village.

Sl. No.	Test	Result	Protocol
Description: Brown Colored Soil.			
1	pH (20% Suspension)	6.75	Practical Manual for Hands on training GKV Bengaluru
2	Conductivity, $\mu\text{mhos/cm}$	45.0	Practical Manual for Hands on training GKV Bengaluru
3	Chloride as Cl, mg/Kg	71.5	Practical Manual for Hands on training GKV Bengaluru
4	Moisture, %	33.9	Practical Manual for Hands on training GKV Bengaluru
5	Organic Matter, %	0.25	Practical Manual for Hands on training GKV Bengaluru
6	Calcium as Ca, mg/Kg	639.1	Practical Manual for Hands on training GKV Bengaluru
7	Magnesium Mg, mg/Kg	69.6	Practical Manual for Hands on training GKV Bengaluru

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Report No.	: RE/2021/00561
Report date	: 22/04/2021
reference	: Test Request Form
Sample receipt date	: 12/04/2021
Job Order No	: RE/2021/00561
Date of Sampling	: 11/04/2021
Analysis start date	: 12/04/2021
Analysis completion date	: 22/04/2021
Sampling Protocol	: E/WP/77

Sample Qty : 1kg

Name of the Industrial Area: - Chamarajanagara Industrial Area at Badanakuppe & Kallambelli Villages, Chamarajanagara taluk & district, Karnataka. (Ext- 1460.47 Acres)

Sample Particulars: One Soil Sample- Near Mariyala village.

Sl. No.	Test	Result	Protocol
8	Colour	Brown	Practical Manual for Hands on training GKV Bengaluru
9	Sulphur as S, mg/Kg	16.04	Practical Manual for Hands on training GKV Bengaluru
10	Nitrogen as N, %	0.010	Practical Manual for Hands on training GKV Bengaluru
11	Phosphorous as P, mg/Kg	5.12	Practical Manual for Hands on training GKV Bengaluru
12	Potassium as K, mg/Kg	47.4	Practical Manual for Hands on training GKV Bengaluru
13	Copper as Cu, mg/Kg	3.8	Practical Manual for Hands on training GKV Bengaluru
14	Chromium as Cr, mg/Kg	33.3	Practical Manual for Hands on training GKV Bengaluru
15	Zinc as Zn, mg/Kg	22.2	Practical Manual for Hands on training GKV Bengaluru
16	Lead as Pb, mg/Kg	8.9	Practical Manual for Hands on training GKV Bengaluru
17	Nickel as Ni, mg/Kg	25.3	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).

4th & 5th Floor, East Wing, Khanija Bhavan,
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Karnataka 560 001.

Report No.	: RE/2021/00562
Report date	: 22/04/2021
reference	: Test Request Form
Sample receipt date	: 12/04/2021
Job Order No	: RE/2021/00562
Date of Sampling	: 11/04/2021
Analysis start date	: 12/04/2021
Analysis completion date	: 22/04/2021
Sampling Protocol	: E/WP/77

Sample Qty : 1kg

Name of the Industrial Area: - Chamarajanagara Industrial Area at Badanakuppe & Kallambelli Villages, Chamarajanagara taluk & district, Karnataka. (Ext- 1460.47 Acres)

Sample Particulars: One Soil Sample- Near Chikkahomma village.

Sl. No.	Test	Result	Protocol
Description: Brown Colored Soil.			
1	pH (20% Suspension)	8.76	Practical Manual for Hands on training GKV Bengaluru
2	Conductivity, μ mhos/cm	126.0	Practical Manual for Hands on training GKV Bengaluru
3	Chloride as Cl, mg/Kg	69.6	Practical Manual for Hands on training GKV Bengaluru
4	Moisture, %	30.04	Practical Manual for Hands on training GKV Bengaluru
5	Organic Matter, %	0.11	Practical Manual for Hands on training GKV Bengaluru
6	Calcium as Ca, mg/Kg	542.3	Practical Manual for Hands on training GKV Bengaluru
7	Magnesium Mg, mg/Kg	34.8	Practical Manual for Hands on training GKV Bengaluru

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TEST REPORT

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

4th & 5th Floor, East Wing, Khanija Bhavan,
Race Course Road, Bengaluru,
Karnataka 560 001.

Report No.	: RE/2021/00562
Report date	: 22/04/2021
reference	: Test Request Form
Sample receipt date	: 12/04/2021
Job Order No	: RE/2021/00562
Date of Sampling	: 11/04/2021
Analysis start date	: 12/04/2021
Analysis completion date	: 22/04/2021
Sampling Protocol	: E/WP/77

Sample Qty : 1kg

Name of the Industrial Area: - Chamarajanagara Industrial Area at Badanakuppe & Kallambelli Villages, Chamarajanagara taluk & district, Karnataka. (Ext- 1460.47 Acres)

Sample Particulars: One Soil Sample- Near Chikkahomma village.

Sl. No.	Test	Result	Protocol
8	Colour	Brown	Practical Manual for Hands on training GKV Bengaluru
9	Sulphur as S, mg/Kg	2.04	Practical Manual for Hands on training GKV Bengaluru
10	Nitrogen as N, %	0.010	Practical Manual for Hands on training GKV Bengaluru
11	Phosphorous as P, mg/Kg	7.85	Practical Manual for Hands on training GKV Bengaluru
12	Potassium as K, mg/Kg	162.2	Practical Manual for Hands on training GKV Bengaluru
13	Copper as Cu, mg/Kg	14.8	Practical Manual for Hands on training GKV Bengaluru
14	Chromium as Cr, mg/Kg	32.1	Practical Manual for Hands on training GKV Bengaluru
15	Zinc as Zn, mg/Kg	21.6	Practical Manual for Hands on training GKV Bengaluru
16	Lead as Pb, mg/Kg	13.95	Practical Manual for Hands on training GKV Bengaluru
17	Nickel as Ni, mg/Kg	20.5	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-----

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

TEST REPORT



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

4th & 5th Floor, East Wing, Khanija Bhavan,
Race Course Road, Bengaluru,
Karnataka 560 001.

Report No.	: RE/2021/00563
Report date	: 22/04/2021
reference	: Test Request Form
Sample receipt date	: 12/04/2021
Job Order No	: RE/2021/00563
Date of Sampling	: 11/04/2021
Analysis start date	: 12/04/2021
Analysis completion date	: 22/04/2021
Sampling Protocol	: E/WP/77

Sample Qty : 1kg

Name of the Industrial Area: - Chamarajanagara Industrial Area at Badanakuppe & Kallambelli Villages, Chamarajanagara taluk & district, Karnataka. (Ext- 1460.47 Acres)

Sample Particulars: One Soil Sample- Near KPTCL station- Project Area.

Sl. No.	Test	Result	Protocol
Description: Brown Colored Soil.			
1	pH (20% Suspension)	8.77	Practical Manual for Hands on training GKV Bengaluru
2	Conductivity, $\mu\text{mhos/cm}$	71.0	Practical Manual for Hands on training GKV Bengaluru
3	Chloride as Cl, mg/Kg	71.95	Practical Manual for Hands on training GKV Bengaluru
4	Moisture, %	27.7	Practical Manual for Hands on training GKV Bengaluru
5	Organic Matter, %	0.07	Practical Manual for Hands on training GKV Bengaluru
6	Calcium as Ca, mg/Kg	513.3	Practical Manual for Hands on training GKV Bengaluru
7	Magnesium Mg, mg/Kg	110.4	Practical Manual for Hands on training GKV Bengaluru

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Report No.	: RE/2021/00563
Report date	: 22/04/2021
reference	: Test Request Form
Sample receipt date	: 12/04/2021
Job Order No	: RE/2021/00563
Date of Sampling	: 11/04/2021
Analysis start date	: 12/04/2021
Analysis completion date	: 22/04/2021
Sampling Protocol	: E/WP/77

Sample Qty : 1kg

Name of the Industrial Area: - Chamarajanagara Industrial Area at Badanakuppe & Kallambelli Villages, Chamarajanagara taluk & district, Karnataka. (Ext- 1460.47 Acres)

Sample Particulars: One Soil Sample- Near KPTCL station- Project Area.

Sl. No.	Test	Result	Protocol
8	Colour	Brown	Practical Manual for Hands on training GKV Bengaluru
9	Sulphur as S, mg/Kg	4.11	Practical Manual for Hands on training GKV Bengaluru
10	Nitrogen as N, %	0.011	Practical Manual for Hands on training GKV Bengaluru
11	Phosphorous as P, mg/Kg	6.3	Practical Manual for Hands on training GKV Bengaluru
12	Potassium as K, mg/Kg	26.9	Practical Manual for Hands on training GKV Bengaluru
13	Copper as Cu, mg/Kg	4.6	Practical Manual for Hands on training GKV Bengaluru
14	Chromium as Cr, mg/Kg	32.5	Practical Manual for Hands on training GKV Bengaluru
15	Zinc as Zn, mg/Kg	33.25	Practical Manual for Hands on training GKV Bengaluru
16	Lead as Pb, mg/Kg	8.8	Practical Manual for Hands on training GKV Bengaluru
17	Nickel as Ni, mg/Kg	12.6	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).

4th & 5th Floor, East Wing, Khanija Bhavan,
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Report No.	: RE/2021/00564
Report date	: 22/04/2021
reference	: Test Request Form
Sample receipt date	: 12/04/2021
Job Order No	: RE/2021/00564
Date of Sampling	: 11/04/2021
Analysis start date	: 12/04/2021
Analysis completion date	: 22/04/2021
Sampling Protocol	: E/WP/77

Sample Qty : 1kg

Name of the Industrial Area: - Chamarajanagara Industrial Area at Badanakuppe & Kallambelli Villages, Chamarajanagara taluk & district, Karnataka. (Ext- 1460.47 Acres)

Sample Particulars: One Soil Sample- Near Keerthi Marketing- Project Area.

Sl. No.	Test	Result	Protocol
Description: Brown Colored Soil.			
1	pH (20% Suspension)	7.43	Practical Manual for Hands on training GKV Bengaluru .
2	Conductivity, μ mhos/cm	78.0	Practical Manual for Hands on training GKV Bengaluru
3	Chloride as Cl, mg/Kg	71.7	Practical Manual for Hands on training GKV Bengaluru
4	Moisture, %	14.7	Practical Manual for Hands on training GKV Bengaluru
5	Organic Matter, %	0.3	Practical Manual for Hands on training GKV Bengaluru
6	Calcium as Ca, mg/Kg	698.7	Practical Manual for Hands on training GKV Bengaluru
7	Magnesium Mg, mg/Kg	210.0	Practical Manual for Hands on training GKV Bengaluru

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Report No.	: RE/2021/00564
Report date	: 22/04/2021
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Date of Sampling	: 11/04/2021
Analysis start date	: 12/04/2021
Analysis completion date	: 22/04/2021
Sampling Protocol	: E/WP/77

Sample Qty : 1kg

Name of the Industrial Area: - Chamarajanagara Industrial Area at Badanakuppe & Kallambelli Villages, Chamarajanagara taluk & district, Karnataka. (Ext- 1460.47 Acres)

Sample Particulars: One Soil Sample- Near Keerthi Marketing- Project Area.

Sl. No.	Test	Result	Protocol
8	Colour	Brown	Practical Manual for Hands on training GKV Bengaluru
9	Sulphur as S, mg/Kg	8.08	Practical Manual for Hands on training GKV Bengaluru
10	Nitrogen as N, %	0.009	Practical Manual for Hands on training GKV Bengaluru
11	Phosphorous as P, mg/Kg	5.14	Practical Manual for Hands on training GKV Bengaluru
12	Potassium as K, mg/Kg	4.49	Practical Manual for Hands on training GKV Bengaluru
13	Copper as Cu, mg/Kg	3.76	Practical Manual for Hands on training GKV Bengaluru
14	Chromium as Cr, mg/Kg	174.5	Practical Manual for Hands on training GKV Bengaluru
15	Zinc as Zn, mg/Kg	35.4	Practical Manual for Hands on training GKV Bengaluru
16	Lead as Pb, mg/Kg	6.59	Practical Manual for Hands on training GKV Bengaluru
17	Nickel as Ni, mg/Kg	26.6	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).

4th & 5th Floor, East Wing, Khanija Bhavan,
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Report No.	: RE/2021/00565
Report date	: 22/04/2021
reference	: Test Request Form
Sample receipt date	: 12/04/2021
Job Order No	: RE/2021/00565
Date of Sampling	: 11/04/2021
Analysis start date	: 12/04/2021
Analysis completion date	: 22/04/2021
Sampling Protocol	: E/WP/77

Sample Qty : 1kg

Name of the Industrial Area: - Chamarajanagara Industrial Area at Badanakuppe & Kallambelli Villages, Chamarajanagara taluk & district, Karnataka. (Ext- 1460.47 Acres)

Sample Particulars: One Soil Sample- Near Badanakuppe village.

Sl. No.	Test	Result	Protocol
Description: Brown Colored Soil.			
1	pH (20% Suspension)	8.51	Practical Manual for Hands on training GKV Bengaluru
2	Conductivity, μ mhos/cm	132.0	Practical Manual for Hands on training GKV Bengaluru
3	Chloride as Cl, mg/Kg	71.8	Practical Manual for Hands on training GKV Bengaluru
4	Moisture, %	12.4	Practical Manual for Hands on training GKV Bengaluru
5	Organic Matter, %	0.97	Practical Manual for Hands on training GKV Bengaluru
6	Calcium as Ca, mg/Kg	797.3	Practical Manual for Hands on training GKV Bengaluru
7	Magnesium Mg, mg/Kg	86.4	Practical Manual for Hands on training GKV Bengaluru

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Analysis completion date	: 22/04/2021
Sampling Protocol	: E/WP/77

Sample Qty : 1kg

Name of the Industrial Area: - Chamarajanagara Industrial Area at Badanakuppe & Kallambelli Villages, Chamarajanagara taluk & district, Karnataka. (Ext- 1460.47 Acres)

Sample Particulars: One Soil Sample- Near Badanakuppe village.

Sl. No.	Test	Result	Protocol
8	Colour	Brown	Practical Manual for Hands on training GKV Bengaluru
9	Sulphur as S, mg/Kg	9.37	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	6.25	Practical Manual for Hands on training GKV Bengaluru
12	Potassium as K, mg/Kg	193.6	Practical Manual for Hands on training GKV Bengaluru
13	Copper as Cu, mg/Kg	13.9	Practical Manual for Hands on training GKV Bengaluru
14	Chromium as Cr, mg/Kg	36.9	Practical Manual for Hands on training GKV Bengaluru
15	Zinc as Zn, mg/Kg	4.81	Practical Manual for Hands on training GKV Bengaluru
16	Lead as Pb, mg/Kg	4.60	Practical Manual for Hands on training GKV Bengaluru
17	Nickel as Ni, mg/Kg	34.9	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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Report No.	: RE/2021/00566
Report date	: 22/04/2021
reference	: Test Request Form
Sample receipt date	: 12/04/2021
Job Order No	: RE/2021/00566
Date of Sampling	: 11/04/2021
Analysis start date	: 12/04/2021
Analysis completion date	: 22/04/2021
Sampling Protocol	: E/WP/77

Sample Qty : 1kg

Name of the Industrial Area: - Chamarajanagara Industrial Area at Badanakuppe & Kallambelli Villages, Chamarajanagara taluk & district, Karnataka. (Ext- 1460.47 Acres)

Sample Particulars: One Soil Sample- Near Thoravalli village.

Sl. No.	Test	Result	Protocol
Description: Brown Colored Soil.			
1	pH (20% Suspension)	7.84	Practical Manual for Hands on training GKV Bengaluru
2	Conductivity, μ mhos/cm	258.0	Practical Manual for Hands on training GKV Bengaluru
3	Chloride as Cl, mg/Kg	145.2	Practical Manual for Hands on training GKV Bengaluru
4	Moisture, %	22.1	Practical Manual for Hands on training GKV Bengaluru
5	Organic Matter, %	0.45	Practical Manual for Hands on training GKV Bengaluru
6	Calcium as Ca, mg/Kg	769.1	Practical Manual for Hands on training GKV Bengaluru
7	Magnesium Mg, mg/Kg	170.4	Practical Manual for Hands on training GKV Bengaluru

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Report No.	: RE/2021/00566
Report date	: 22/04/2021
reference	: Test Request Form
Sample receipt date	: 12/04/2021
Job Order No	: RE/2021/00566
Date of Sampling	: 11/04/2021
Analysis start date	: 12/04/2021
Analysis completion date	: 22/04/2021
Sampling Protocol	: E/WP/77

Sample Qty : 1kg

Name of the Industrial Area: - Chamarajanagara Industrial Area at Badanakuppe & Kallambelli Villages, Chamarajanagara taluk & district, Karnataka. (Ext- 1460.47 Acres)

Sample Particulars: One Soil Sample- Near Thoravalli village.

Sl. No.	Test	Result	Protocol
8	Colour	Brown	Practical Manual for Hands on training GKV Bengaluru
9	Sulphur as S, mg/Kg	9.38	Practical Manual for Hands on training GKV Bengaluru
10	Nitrogen as N, %	0.010	Practical Manual for Hands on training GKV Bengaluru
11	Phosphorous as P, mg/Kg	5.87	Practical Manual for Hands on training GKV Bengaluru
12	Potassium as K, mg/Kg	286.8	Practical Manual for Hands on training GKV Bengaluru
13	Copper as Cu, mg/Kg	14.4	Practical Manual for Hands on training GKV Bengaluru
14	Chromium as Cr, mg/Kg	35.1	Practical Manual for Hands on training GKV Bengaluru
15	Zinc as Zn, mg/Kg	43.7	Practical Manual for Hands on training GKV Bengaluru
16	Lead as Pb, mg/Kg	7.8	Practical Manual for Hands on training GKV Bengaluru
17	Nickel as Ni, mg/Kg	27.3	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-----

Forh. L
22/04/21
Verified by

S. B. S. 22/04/21
Authorized by

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

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

TEST REPORT



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

4th & 5th Floor, East Wing, Khanija Bhavan,
Race Course Road, Bengaluru,
Karnataka 560 001.

Report No.	: RE/2021/00567
Report date	: 22/04/2021
reference	: Test Request Form
Sample receipt date	: 12/04/2021
Job Order No	: RE/2021/00567
Date of Sampling	: 11/04/2021
Analysis start date	: 12/04/2021
Analysis completion date	: 22/04/2021
Sampling Protocol	: E/WP/77

Sample Qty : 1kg

Name of the Industrial Area: - Chamarajanagara Industrial Area at Badanakuppe & Kallambelli Villages, Chamarajanagara taluk & district, Karnataka. (Ext- 1460.47 Acres)

Sample Particulars: One Soil Sample- Near Gangavadi village.

Sl. No.	Test	Result	Protocol
Description: Brown Colored Soil.			
1	pH (20% Suspension)	8.01	Practical Manual for Hands on training GKV Bengaluru
2	Conductivity, μ mhos/cm	85.0	Practical Manual for Hands on training GKV Bengaluru
3	Chloride as Cl, mg/Kg	46.7	Practical Manual for Hands on training GKV Bengaluru
4	Moisture, %	17.1	Practical Manual for Hands on training GKV Bengaluru
5	Organic Matter, %	1.3	Practical Manual for Hands on training GKV Bengaluru
6	Calcium as Ca, mg/Kg	552.0	Practical Manual for Hands on training GKV Bengaluru
7	Magnesium Mg, mg/Kg	183.6	Practical Manual for Hands on training GKV Bengaluru

[Signature]
22/04/21
Verified by

[Signature]
22/04/21
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Sample Qty : 1kg

Name of the Industrial Area: - Chamarajanagara Industrial Area at Badanakuppe & Kallambelli Villages, Chamarajanagara taluk & district, Karnataka. (Ext- 1460.47 Acres)

Sample Particulars: One Soil Sample- Near Gangavadi village.

Sl. No.	Test	Result	Protocol
8	Colour	Brown	Practical Manual for Hands on training GKV Bengaluru
9	Sulphur as S, mg/Kg	5.45	Practical Manual for Hands on training GKV Bengaluru
10	Nitrogen as N, %	0.012	Practical Manual for Hands on training GKV Bengaluru
11	Phosphorous as P, mg/Kg	5.76	Practical Manual for Hands on training GKV Bengaluru
12	Potassium as K, mg/Kg	75.8	Practical Manual for Hands on training GKV Bengaluru
13	Copper as Cu, mg/Kg	10.5	Practical Manual for Hands on training GKV Bengaluru
14	Chromium as Cr, mg/Kg	23.7	Practical Manual for Hands on training GKV Bengaluru
15	Zinc as Zn, mg/Kg	46.8	Practical Manual for Hands on training GKV Bengaluru
16	Lead as Pb, mg/Kg	8.3	Practical Manual for Hands on training GKV Bengaluru
17	Nickel as Ni, mg/Kg	13.99	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]
22/04/21
Verified by

[Signature]
22/04/21
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PROCEEDINGS OF ENVIRONMENTAL PUBLIC HEARING HELD AT "PROPOSED PROJECT SITE OF BADANAGUPPE & KELLAMBALLI VILLAGE, CHAMARAJANAGAR TALUK & DISTRICT" ON 20.07.2016 AT 11.00 AM IN RESPECT OF PROPOSED DEVELOPMENT OF CHAMARAJANAGR INDUSTRIAL AREA IN AN EXTENT OF 591.03 HECTARES OF LAND AT BADANGUPPE & KELLAMBALLI VLLAGE, CHAMARAJANAGAR TALUK & VILLAGE BY KARNATAKA INDUSTRIAL AREA DEVELOPMENT BOARD.

1.	Venue of the Environmental Public Hearing Meeting	Proposed Project site of Badanaguppe & Kellamballi Village, Chamarajanagar Taluk & District.
2.	Details of the Environmental Public Hearing Committee.	Designation
	Sri B.Ramu, IAS, Deputy Commissioner, Chamarajanagar District, Chamarajanagar	Chairman
	Sri K.M Lingaraju, Senior Environmental Officer, KSPCB, Zonal Office, Mysuru	Coordinating Member
3.	Officers present on behalf of M/s Karnataka Industrial Area Development Board	ANNEXURE-I
4.	Other Officers present in the Environmental Public Hearing Meeting	ANNEXURE-II
5.	The details of the general public that were present in the Environmental Public Hearing Meeting is enclosed in Annexure-1.	ANNEXURE-III

PREAMBLE :

M/s. Karnataka Industrial Area Development Board has proposed Development of Chamarajanagar Industrial Area in an extent of 591.03 Hectares of land @ Badanaguppe & Kellamballi Village Chamarajanagar Taluk & District, Karnataka. The project proponent are required to obtain Environmental Clearance as per the Environment Impact Assessment Notification dated 14.09.2006 (as amended dated 01.12.2009). As the proposed project classified under Category-A of the Notification, Environment clearance required to be obtained from Environment Impact Assessment Authority, New Delhi, constituted by the Ministry of Environment, Forest and Climate Change, Government of India, New Delhi.

As per the Environmental Impact Assessment Notification 2006 Amended on 2009, project proponent have submitted prescribed application form to MOEF&CC, New Delhi. The MOEF&CC, New Delhi has issued Terms of Reference (TOR) vide letter No.F.No.21-58/2015-IA.III dated 19.06.2015 with a condition to draft EIA/ EMP report to state pollution control Board for conducting public hearing.

In order to comply with the TOR, M/s. Karnataka Industrial Area Development Board have submitted draft Environment Impact Assessment(EIA) Report and Executive Summary both in KANNADA and ENGLISH to the Member Secretary, Karnataka State Pollution Control Board requesting to conduct the Environmental Public Hearing through their letter dated 10.03.2016.

Based on the request made by the project proponent, Karnataka State Pollution Control Board, Bengaluru vide their letter dated 16.05.2016, requested the Deputy Commissioner, Chamarajanagar to render suitable place, date and time for conducting the Environmental Public Hearing. Accordingly, the Deputy Commissioner, Chamarajanagar accorded consent to conduct the meeting on 20.07.2016 at 11.00 AM at the project site.

The Karnataka State Pollution Control Board has issued notification to conduct Environmental public hearing meeting, through paper notification in state level daily newspapers namely Vijaya-Karnataka (Kannada) and Deccan Herald (English) on 20-06-2016 and further for the information of local people the notification was also published in the district level daily news papers Reshme-nadu (Kannada) on 22-06-2016 by informing the public to submit their objections/suggestions /opinions/ if any with regard to the proposed project within 30 days.

In continuation to the above, the draft Environmental Impact Assessment Report in English and copies of the executive summary in Kannada and English were kept in the following places for the perusal of the public.

- Deputy Commissioner, Chamarajanagar District, Chamarajanagar.
- Chief Executive Officer, Zilla Panchayath, Chamarajanagar District, Chamarajanagar.
- Joint Director, District Industrial Centre, Chamarajanagar District, Chamarajanagar.
- Commissioner, City Corporation, Chamarajanagar.
- Secretary, Office of village Panchayat Office, Badanaguppe, Chamarajanagar Taluk & District.
- Secretary, Office of Village Panchayat, Bhogapura, Chamarajanagar Taluk & District.
- Regional Office, Karnataka State Pollution Control Board, Chamarajanagar.
- Ministry of Environmental, Forest & Climate Change, South Zone, Koramangala, Bangalore.
- Help Desk, Karnataka State Pollution Control Board, Parisara Bhavana, Church Street, Bangalore.

In addition to the above wide publicity was also rendered through public address system and distribution of handbills to the surrounding villages of the proposed project on 18.07.2016 & 19.07.2016.

After observing the statutory formalities as specified in the Notification, Environmental Public Hearing was commenced on 20-07-2016 under the Chairmanship of the Deputy Commissioner, Chamarajanagar at the project site at 11.00 AM.

Proceedings of Public Hearing:

Sri.B.M.Prakash, Environmental Officer, welcomed the gathering and informed the provisions of the Environment Impact Assessment Notification dated 14.09.2006 issued under the Environment (Protection) Act, 1986. It was informed that the proposed project proponents have to obtain Environmental Clearance and also informed that all required procedure laid in the Environmental Impact Assessment Notification 2006 (as amended till date) before conducting environmental public hearing have been followed with.

Sri B.Ramu, I.A.S. Deputy Commissioner & chairperson of the Environmental Public Hearing Panel informed the project proponents to present the technical details of the proposed project. Accordingly, Dr Hemanth, M/s Ramky Enviro Engineers Limited, Hyderabad consultants for the proposed project has explained the details with respect to Environmental Impact Assessment Report taken up, which was involved with, Salient features of the site, land use pattern & details, infrastructure facilities, rain water management, environmental aspects viz., Water, Air & noise environment, economic and financial status, environment management plan, expenditure on environment management plan and CSR activities proposed through power point presentation.

Sri B.Ramu, I.A.S. Deputy Commissioner & Chairman of the Environmental Public hearing, Chamarajanagar informed the public gathered at the site to express their views / opinions / objections/Complaints, Suggestions, if any and informed to restrict their views, to environmental issues only.

The views/opinions/ objections/Complaint/Suggestions public expressed as below:-

1. **Sri G.Basavanna, Gram Panchayat Member, S/o Gurusidaappa, Badanaguppe Chamarajanagar taluk has requested,** not allow the industries emitting toxic gases like industry involved in Bhopal Gas tragedy. If such types of industries are allowed, which will affect human beings, animals, plants etc & hence, he has objection for establishment of such type of industries in the proposed industrial Area. Further, he has suggested that, Solid waste

shall be disposed scientifically & transported without harming the public. He has urged that, Air pollution, Smell nuisance Water pollution, underground water pollution industries should not to be allowed establish & to establish Industries are helpful to the public. A written objection letter was submitted to the chairman of the committee.

2. **Sri R.Gopal Rao, Retd. Agriculture Officer S/o B.N.Ramachandraiah, Badanaguppe Chamarajanagar taluk:** informed to establish industries , which are not affecting Environment & public and further request to provide employment to the local people.
3. **Sri Shivaramu S/o Venkatranganayak, Badanaguppe Chamarajanagar taluk:** Informed that, he would support the issue raised by Gram panchayat member & retired agriculture officer Sri Gopal Rao and informed that industries proposed industrial area should not affect the Environment & employments should be given the unemployed in the area. Further, informed that, the local people have lost their land for the proposed project & money received from the land acquisition was also spent & hence he requested provide employment for two to three persons in family, who have lost their land for developing the industrial area.
4. **Sri Mahesh S/o Shivamadappa, Badanaguppe Chamarajanagar taluk:** has expressed his happiness for establishing the industrial area. He informed that, there are educated & unemployed persons in the villages of Badanaguppe & Kellamballi and requested to provide employment. Finally, urged to establish non-polluting industries in this area.
5. **Sri Marinayak S/o Late Madanayak, Badanaguppe Chamarajanagar taluk:** informed that, the land taken for developing the industrial area in the Badanaguppe village Sy No 12,13 & 14 are located near to the School & Residential houses . Allowing industries, in the said survey numbers will cause pollution problem & hence suggested, to earmark the area for non industries activity such as office, Bank, Post office etc.
6. **Sri Naveen Smapathe S/o Anand Raj, Kellamballi Village Chamarajanagar taluk:** has express happiness for establishing the industrial area in Badanaguppe, Kellamballi Village & also for conducting the public hearing by Environmental Department. He enquired about lodging compliant incase of pollution & other problems from the industries in the proposed area. He also, urged to provide the present environmental conditions after the establishment of industrial area. Further, he also raised the issue related to transportation of goods in vehicle in the existing road which is passing through villages and its effect on the pubic & environment.

In this regard, he requested to make proper transportation facility without causing any adverse effect to the public

7. **Sri Mallesh, Gram Panchayat Member, Badanaguppe Chamarajanagar taluk** : informed that, there are four schools located adjacent to the road in badanaguppe village & presently the school children's are crossing the road for the midday meals which is inconvenient children due to movement of vehicles. Hence, he requested KIADB to allot 7.5 Acres Kharb land for construction the school building in the proposed industrial area.
8. **Sri Puneeth S/o Gurusiddaiah, Badanaguppe Chamarajanagar taluk** : requested employ, local educated youths based on there qualification in the industries coming in the industrial area.
9. **Sri P.Somashekar S/o Puttaswamy, Badanaguppe Chamarajanagar taluk** : informed about, the wild animals problem & damaging crops of farmers. Further, informed that, due e to noise pollution from the industries, wild animals may enter & damage the crops in Agricultural land. Hence, requested to take appropriate action for protecting wild animals & to avoid crop damage.
10. **Sri Anand Swamy S/o Nanjudaswamy, Kellamaballi Chamarajanagar taluk** : informed not permit oil & paint manufacturing industries due to its pollution problem. Further, informed that due to development of industrial area there is loss in existing ecological conditions and requested to develop new lakes, to plant adequate number of trees, establishment of Parks, Developing proper drainage system. Finally, suggested to establish solid waste management area & polluting industries away from the Villages.

Sri K.M.Lingaraju, Senior Environmental Officer informed the provisions of the Environment Impact Assessment Notification dated 14.09.2006 issued under the Environment (Protection) Act, 1986 by Ministry of Environmental, Forest & Climate Change and requirement of obtaining Environmental Clearance. He informed that, Environmental Impact Assessment studies are made to know the present status of water, Air, Noise & Soil conditions and further any change & to compare the environmental parameters after the establishment of the area. The MOEF & CC will consider the proposal based on the study & other environmental issue before issue of Environmental clearance. Further, informed that the

Karnataka state pollution control Board will also take required measure to protect environment in the area.

Sri Rajesh, Senior Land Acquisition Officer, Karnataka Industrial Area Development Board, Mysore informed about action taken in respect of compensation and employment by the KIADB for the land losers for the proposed Industrial area.

Sri Jayakrishna, Joint Director, District Industrial Centre, Chamarajanagar informed about Sarojani Mahishi report & provisions for providing employment to the local public. Further, informed to contact, Deputy Commissioner, Chamarajanagar, Industry & Commerce Department & Karnataka State Pollution Control Board for their grievances regarding problem faced from the industries.

Sri B.Ramu, Chairman & Deputy Commissioner, Chamarajanagar district, Chamarajanagar has appreciated the public for their valuable suggestion given in the public hearing & also for giving the land to develop industrial area at Kellamballi & Badaguppe and accordingly industrial area will be developed to expectation of villagers. He has informed that, the proposed land acquired for the industrial area was not fertile and Informed while establishing industries norms prescribed by the green bench constituted by the Honourable Supreme Court directions will be followed in the proposed industrial area. Further, briefed about the land use in the proposed industrial Area & adoption of new technologies to control pollution from the industries. It was informed that, the source of water supply to the industrial area will be from the Kabini River and action will be taken for rain water harvesting & recycling of treated waste water from the industries. It is also informed that, preference will be given to the granite cutting, Agricultural based industries and also for the trained local public for employment.

It is also brought to the notice of the public that everyday about 3000 to 4000 people from Chamarajanagar are traveling to Mysore for the building construction and other works. Further, informed that the proposed industrial area will provide employment for about 16000 people & which will improve the economic condition in the area.

The Deputy Commissioner, Chamarajanagar also informed about amenities like drainage, treatment plant, rain water harvesting, Plantation & other facility in the proposed industrial area.

Finally, Deputy Commissioner, Chamarajanagar, informed that, all the views/objections/suggestions given by the public are recorded and the proceedings will be send to the Ministry of Environmental, Forest & Climate Change, NewDelhi through Karnataka State Pollution Control Board for further action.

Sri B.M.Prakash, Environmental Officer, has concluded the meeting by giving vote of thanks and declared the environmental Public Hearing is closed.

The following written Suggestions/views/comments and objection are received and copies are enclosed.

1.	Sri D.S.Doreswamy, Chairman, Parisara Abiruddi Samithi, Punjur Village & post, Chamarajanagar taluk & District.	Annexure-V
2.	Rural Environment Education & Health Awareness Society, Hyderabad.	Annexure-VI
3.	Badanaguppe Village & Surrounding Villagers & Parisara Samrakshana Sanghatana.	Annexure-VII

Date: 21.07.16

(Sri B.RAMU, I.A.S)
DEPUTY COMMISSIONER AND CHAIRMAN
ENVIRONMENTALPUBLIC HEARING MEETING,
CHAMARAJANAGAR

ANNEXURE-I

Officers present on behalf of M/s Karnataka Industrial Area Development Board.

Sl No	Officers Name	Designation
1.	Sri K.C.Shivakumar	Development Officer, Karnataka Industrial Area Development Board, Mysore
2.	Sri S.R.Sridhar	Deputy Development Officer, Karnataka Industrial Area Development Board, Mysore
3.	Sri Rajesh	Senior Land Acquisition Officer, Karnataka Industrial Area Development Board, Mysore

ANNEXURE-II

Other Officers present in the Environmental Public Hearing Meeting.

Sl No	Officers Name	Designation
1.	Sri Jayakrishna	Joint Director, District Industrial Centre, Chamarajanagar
2.	Sri B.M.Prakash	Environmental Officer, Karnataka State Pollution Control Board, Chamarajanagar
3.	Sri S.M.Mahadev	Tahsildar, Chamarajanagar Taluk, Chamarajanagar District.
4.	Sri P.K.Umashanakar	Deputy Environmental Officer, Karnataka State Pollution Control Board, Chamarajanagar

ANNEXURE-IV

1. Photographs of Environmental Public Hearing.
2. Public address system to the surrounding villages of the proposed project on 18.07.2016 & 19.07.2016. (C.D. enclosed)
3. Photographs of distribution of handbills to the surrounding villages of the proposed project on 18.07.2016 & 19.07.2016.
4. Environmental Public Hearing Audio & Video CD.

Public Hearing Proceedings along with action plan

S.No	Name & Address	Comments & Remarks	Replies by KIADB	Action Plan
1	Sri G.Basavanna, Gram Panchayat Member, S/o Gurusidaappa, BadanguppeChamarajanagartaluk.	He requested not allow the industries emitting toxic gases like industry involved in Bhopal Gas tragedy, if such types of industries are allowed, which will affect human beings, animals, plants etc., & hence, he has objection for establishment of such type of industries in the proposed Industrial Area. Further, he has suggested that, solid waste shall be disposed scientifically & transported without harming the public. He has urged that, Air pollution, smell nuisance, Water pollution, underground water pollution industries should not be allowed to establish & to establish industries are helpful to the public. A written objection letter was submitted to the chairman of the committee.	<p>The type of industries that are coming in the proposed industrial area are mainly spices, textile, granite, ayurvedic, agriculture related, general engineering and automobile industries, we are not proposing any fertilizer units.</p> <p>Solid waste generated during operational phase will be classified as hazardous and non-hazardous. The non-hazardous waste will be segregated as recyclable, bio degradable and non-bio degradable. The recyclables will be sent to authorized recyclers, bio degradable will be sent to composting and non-bio degradable will be disposed to nearest municipal bins. The hazardous waste will be sent to nearest authorized facilities like CHWMF (Common Hazardous Waste Management Facility).</p> <p>Mainly Micro Small and Medium Enterprises (MSME) are proposed and no major industries are envisaged.</p>	<p>An amount of Rs.53 lakhs is allocated in the EMP budget for solid waste management in the proposed industrial area.</p> <p>Proper environmental measures like maintaining stack height, using bag filters and other pollution abatement equipments will be provided by individual industries to control air pollution.</p> <p>An amount of Rs.40 lakhs is proposed for air pollution monitoring at Industrial Area level.</p> <p>Zero liquid discharge concept will be used in the proposed industrial area. All the generated waste water will be treated in CETP & CSTP and the treated water will be reused for green belt development, floor washing and other industrial activities. An</p>

			<p>Preference will be given to white, green and orange category industries.</p>	<p>amount of Rs.1625 lakhs is allocated in EMP for water pollution control measures.</p> <p>Acoustic enclosures will be erected around the noise generating equipment and DG sets. A 15m wide green belt will be developed all along the industrial area boundary and 2m along the roads within the industrial area which will be used as a noise barrier between the industrial area and surroundings.</p> <p>Individual industries will maintain their pollution loads as per EC and CFE conditions in respect to the Air, Water and Noise environment.</p>
2	<p>Sri R.Gopal Rao, Retd. Agriculture Officer S/o B.N.Ramachandraiah, Badanguppe, Chamarajanagartaluk</p>	<p>He informed to establish industries, which are not affecting Environment & public and further request to provide employment to the local people.</p>	<p>Preference will be given to white, green and orange category industries. Mainly MSME's are proposed and no major industries are envisaged.</p> <p>KIADB will request the inmates or plot owners to give first preference to the local educated</p>	<p>Proper environmental protection measures will be taken to control the impact on the surrounding people and environment.</p> <p>An amount of Rs.26.56 Crores has been allocated</p>

			unemployed youth based on their qualification.	as EMP budged for the proposed industrial area. Preference will be given local educated unemployed youth and also skill improvement training will be provided under CSR activities. An amount of Rs.22 lakhs is allocated for vocational training under CSR budget.
3	Sri Shivaramu S/o Venkatranganayak, Badanguppe, Chamarajanagartaluk.	Informed that, he would support the issue raised by Gram panchayat member & retired agriculture officer Sri Gopal Rao and informed that industries proposed industrial area should not affect the Environment & employment should be given the unemployed in the area. Further, informed that, the local people have lost their land for the proposed project & money received from the land acquisition was also spent & hence he requested provide employment for two to three persons in family, who have lost their land for developing the industrial area.	<p>The type of industries that are coming in the proposed industrial area are mainly spices, textile, granite, ayurvedic, agriculture related, general engineering and automobile industries which does not use/required toxic chemicals in their process.</p> <p>Preference will be given to the non-polluting industries during the allotment of plots in the proposed industrial area.</p> <p>KIADB will request the inmates or plot owners to give first preference to the local educated unemployed youth based on their qualification.</p>	<p>An amount of 26.56 Crores has been allocated as EMP budged for the proposed industrial area.</p> <p>Preference will be given local educated unemployed youth and also skill improvement training will be provided under CSR activities. An amount of Rs.22 lakhs is allocated for vocational training under CSR budget.</p>

			Employment will be provided to the land looser families as per the KIADB and State or Central government policy.	
4	Sri Mahesh S/o Shivamadappa, Badanaguppe, Chamarajanagartaluk.	He has expressed his happiness for establishing the industrial area. He informed that, there are educated & unemployed persons in the villages of Badanaguppe&Kellamballi and requested to provide employment. Finally, urged to establish non-polluting industries in this area.	KIADB will request the inmates or plot owners to give first preference to the local educated unemployed youth based on their qualification. Preference will be given to the non-polluting industries (MSME's) during the allotment of plots in the proposed industrial area.	Preference will be given local educated unemployed youth and also skill improvement training will be provided under CSR activities. An amount of Rs.22 lakhs is allocated for vocational training under CSR budget. An amount of Rs.26.56 Crores has been allocated as EMP budged for the proposed industrial area.
5	Sri Marinayak S/o Late Madanayak, Badanguppe, Chamarajanagartaluk	He informed that, the land taken for developing the industrial area in the Badanguppe village Sy.No 12, 13 &14 are located near to the School & Residential houses. Allowing industries, in the said survey numbers will cause pollution problem & hence suggested, to earmark the area for non-industries activity such as office, Bank, Post office etc.	The industries proposed all are non- polluting MSME's and a 15m buffer zone with green belt plantation will be provided along the boundary. Individual industries will provide necessary pollution control measures as per EC/CFE conditions.	An amount of Rs.278 lakhs will be allocated in EMP for green belt development and individual industries will also allot additional amount as per the requirement.
6	Sri Naveen Smapathe S/o Anand Raj, Kellambali Village, Chamarajanagartaluk.	He has expressed happiness for establishing the industrial area in Badanaguppe, Kellamballi Village & also for conducting the public hearing by Environmental Department. He enquired about lodging complaint in case of pollution & other problems from the industries in the proposed area. He	In case of any pollution from the proposed industrial area they can contact the KIADB or KSPCB regional office. The existing/ present	The industrial area is connected to the adjacent SH 80 through two 30m wide roads which will be used for transportation of all goods and materials.

		<p>also, urged to provide the present environmental conditions after the establishment of industrial area. Further, he also raised the issue related to transportation of goods in vehicle in the existing road which is passing through villages and its effect on the public & environment. In this regard, he requested to make proper transportation facility causing any adverse effect to the public.</p>	<p>environmental conditions of the area were assessed during baseline studies period (September 2015 to November 2015) and results obtained were given in Chapter 3 and the anticipated impacts of the industrial area on surroundings were given in Chapter 4 of Draft EIA report.</p> <p>All the vehicles which are carrying goods and materials to the industrial area will be entering through a 30m wide central road which connecting SH 80 and the industrial area.</p>	<p>There will be an addition of 651 PCU/hr to the existing traffic load of 504 PCU/hr on the existing SH 80, due to the proposed industrial area. The level of service of the road after establishment of proposed industrial area will be changed from 'B' to 'D'. To improve the level of service of the road in future the existing road has to be widened.</p>
7	Sri Mallesh, Gram Panchayat Member, Badanaguppe, Chamarajanagartaluk	<p>He informed that, there are four schools located adjacent to the road in Badanaguppevillage & presently the school children's are crossing the road for the midday meals which is inconvenient to children due to movement of vehicles. Hence, he requested KIADB to allot 7.5 Acres Kharab land for construction of the school building in the proposed industrial area.</p>	<p>The proposed industrial area is for development of industrial park, so accommodating school within the industrial area is not advisable.</p>	<p>Under CSR activities infrastructure like construction of compound wall, zebra crossing, etc., will be provided in the near school surroundings.</p>
8	Sri Puneeth S/o Gurusiddaiah, Badanaguppe, Chamarajanagartaluk	<p>He requested employ, local educated youths based on their qualification in the industries coming in the industrial area.</p>	<p>KIADB will request the inmates or plot owners to give first preference to the local educated unemployed youth based on their qualification.</p>	<p>Preference will be given local educated unemployed youth and also skill improvement training will be provided under CSR activities. An amount of Rs.22 lakhs is allocated for vocational training under CSR budget.</p>

9	Sri P.Somashekar S/o Puttaswamy, Badanguppe, Chamarajanagartaluk	He informed about, the wild animals problem & damaging crops of farmers. Further informed that, due to noise pollution from the industries, wild animals may enter & damage the crops in Agriculture land. Hence, requested to take appropriate action for protecting wild animals & to avoid crop damage.	The industries proposed all are MSMEs and necessary noise control measures will be provided for noise generating equipment. Individual industries will develop green belt within their industrial plots in setback areas and at industrial area level a 15 m wide green belt will be developed to minimize the noise and a boundary wall will be developed along the boundary of the industrial area. Hence there will not be any new noise generation which will affect movement of wild animals.	An amount of Rs.278 lakhs will be allocated in EMP for green belt development and individual industries will also allot additional amount as per the requirement.
10	Sri Ananjudaswamy, Keliamballi, Chamarajanagartaluk	He informed not permit oil & paint manufacturing industries due to its pollution problem. Further, informed that due to development of industrial area there is loss in existing ecological conditions and requested to develop new lakes, to plant adequate number of trees, establishment of Parks, Developing proper drainage system. Finally, suggested to establish solid waste management area & polluting industries away from the villages.	<p>The type of industries that are coming in the proposed industrial area are mainly spices, textile, granite, ayurvedic, agriculture related, general engineering and automobile industries and no oil and paint industries are proposed.</p> <p>Major part of the proposed industrial area is of barren land area with little vegetation and agriculture activity. Wherever there is a requirement for felling of trees, plantation will be carried out in 1:3 ratio.</p> <p>Solid waste generated during</p>	<p>An area equivalent to 33% of total industrial area is allocated for green belt development and also a 15m wide green belt will be developed all along the industrial area boundary and all along the roads within the industrial area.</p> <p>An amount of Rs.53 lakhs is allocated in the EMP budget for solid waste management in the proposed industrial area.</p>

			operational phase will be classified as hazardous and non-hazardous. The non-hazardous waste will be segregated as recyclable, bio degradable and non-bio degradable. The recyclables will be sent to authorized recyclers, bio degradable will be sent to vermin composting and non-bio degradable will be given to nearest municipal bins. The hazardous waste will be sent to nearest authorized facilities like CHWMF (Common Hazardous Waste Management Facility).	
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 Development Officer &
 Executive Engineer,
 KIADB, Zonal Office,
 MYSURU - 570 016