

Associate vice president for administration, campus operation and campus safety. Any change in the Emergency preparedness coordinators should be immediately reported to both the Environmental Management Cell and the Environmental Safety Officer. The emergency preparedness training should be on fire fighting, the equipment's used for firefighting should be checked periodically and mock drills should be conducted.

## 7.5 HAZARDOUS CONTROL MEASURES

**a) Fire:** To prevent fire mishaps and to manage the emergency situation during fire in the proposed project the following activities and precautions are proposed.

- Emergency evacuation plan is important for all projects, and the same will be prepared as per Fire & Safety rules.
- Regular mock drills will be carried out to create awareness on procedures to be followed in times of emergency situation/evacuation.
- It will be advised to keep oxygen cylinders, medical kits and masks to prevent smoke inhalation especially for those with respiratory disorders for whom smoke inhalation can be very dangerous.
- Plant manager will be advised to ensure that the firefighting equipment's are in good working conditions.
- The plant will be provided with sufficient firefighting equipments (water, soil, cylinders, etc).

Simple steps to be followed during emergency are as follows.

**Call the fire rescue department:** During fire in plant, leave the premises by nearest available exit. Call fire department and do not assume anyone else has called the fire department. If your cloth catches fire, do not get panic or run, stop, drop and roll.

**Cover your nose and mouth with a wet clean cloth:** Stay calm cover your nose and mouth with a wet, clean cloth to prevent smoke inhalation injury and choking. Never jump off or attempt to climb down the side of tall structures as it will mean certain death.

**Do not run:** During a fire, smoke containing poisonous gases such as CO tends to rise up. When you run in a smoke filled room, you tend to inhale the smoke faster. CO dulls the senses and prevents clear thinking, leading to panic. To prevent being asphyxiated, dip tissues or cloth in water and cover your nose with it.

**Head-count of the occupants:** During an emergency, make good use of the evacuation procedure and help each other to reach out of plant/building safely. Ensure nobody is left behind by doing a head-count of occupants. Visitors should read and understand the evacuation plan before going into the plant/building area and ensure their safety.

### **b) Natural Disasters**

Natural disasters occur without notice. Most disasters are natural such as earthquake, floods, hurricanes, sandstorms, landslides, tsunamis and volcanoes. We have no way of stopping them, but we can learn to deal with the difficult situations that arise due to them. During disasters like floods, fire, earth quake, landslides, rescue beings at site. Even before external help arrives, people affected by the disasters help each other.

The government and many voluntary organizations send teams of workers trained in rescue operations to disaster-affected areas. These teams join hands with the local community helpers such as doctors, nurses, social workers and policemen.

Temporary shelters are built for displaced people. Doctors and nurses provide medical aid. They treat the wounded and work to control epidemics. Social workers collect food and cloth from all over the country for the disaster-affected people. The police maintain law and order. Media –persons help in spreading news about the victims and their conditions. They also post advertisements that urge people to donate for victims.

In extreme conditions, the army and Air force organize rescue operations. They clear roads, send medical teams and help to move people to safer places. The air force drops food, water and clothes in the affected areas. Organization like UN helps in providing aid during massive disasters.

Individually, people from all over the world also come forward to help during a disaster. They donate blood while many donate money. Some even reach the disaster affected places to give an extra hand in the rescue operation. Families adopt children who have lost their parents and thus give them a new home.

### **c) Electrical Accidents**

Electrical hazards can cause burns, shocks and electrocution which can lead to serious injury and even death. When dealing with potentially serious electrical hazards stop and think, Instead of taking a chance and risking your personal safety, call trained professionals to handle problems. Many times people prefer to take electrical matters into their own hands. Other small aspects of electrical repair in a business setting may

be taken care of without needing professional service technicians. If you do decide to take matters into your own hands, safety precautions can avoid injuries and other losses.

#### **i. Prevention of Electrical Accidents**

Flexible cords connected to appliance should be wired to conform to the international Colour code. Colour of the insulation on the wire is

- Brown represents live wire,
- Blue represents neutral wire and
- Green/yellow stripes represent earth wire.

What you should look for when selecting an electrical appliance is given below:

- a) The appliance should be suitable for operation on local electrical supply of 240 volts AC and frequency of 50 Hz.
- b) The appliance should preferably be tested and certified by a national or reputed standards testing authority.
- c) Look for certified plugs on the flexible cords connected to the appliances. If the appliance is double insulated and has a 2-pin plug, then it should be fitted with a suitable certified plug.
- d) An essential formality when buying any appliances is a duly completed guarantee card with the dealers/retailer's official stamp and details of the appliance (serial number, etc.).

Safety precautions to be taken when using electrical appliances

- a) Avoid using handheld appliances when your hand and/or body is wet.
- b) Do not use or leave appliances where liquid can splash on to them.
- c) Flexible cords connecting the appliance and the plug should be in good condition, if the cord is frayed, chaffed, cut or melted, have the entire cord replaced by a competent person.
- d) Check accessories such as plugs attached to appliances for cracks and burnt marks and have them replaced. If undue overheating occurs or burnt marks appear in any electrical appliance, have it checked.

## **7.6 PUBLIC HEARING**

Public Hearing has been conducted for proposed development of “Canara Industrial Area” over an extent of 236.93 Ha at project site on 09.08.2018. The public hearing notice was published in 2 leading state level newspaper one in English (Times of India) and one in vernacular language –Kannada (Udayawani). KSPCB Mangalore had issued notification on 10.07.2018 in local leading newspaper “Vartha Bharati”. The public hearing was conducted in line with the EIA notification dated 14th September 2006. The notices and photographs of the public hearing are given below. A copy of the Proceedings is attached as **Annexure V** and time bound action plan towards the issues raised during the public hearing is given in the table below.

Sl No	Queries raised	Reply
1	Shri. Kamruddhin, Resident, Balepuni Village asked the authorities what type of industries will be established in the proposed industrial area and requested to take village Panchayat in confidence prior to allotting the site for industries and not allow any hazardous or polluting industries in the proposed area. He said that this area is considered as dry area and requested to supply water for the nearby villages and also to allot 5 acre land for Moolur Government School for playground activities.	<p>Sri. K C Shiva Kumar, DO and Sri. Kumarappa K.S. DDO from KIADB, Mangaluru replied that as of now there is no proposal came to their department for the setting up of industries in the proposed site and allotment of the land for the industries will be taken up in the District single window agency Committee headed by Deputy Commissioner. Regarding the type of industries he said that there will be zoning for different type of industries and the plots will be allotted accordingly.</p> <p>Regarding the allotment of land for School Sri. Kumarappa, DDO from KIADB, Mangaluru said that as there is a guidelines to reserve the area for industries in any industrial area hence, reserved area for the industries cannot be given for school activities but the land reserved for other facilities in the area can be allotted for school activities. If any such proposal comes in this regard a suitable decision will be taken in this regard as per the guidelines.</p> <p>Regarding the water supply to this area was considered as dry area, for this Deputy Commissioner informed that this is a huge industrial area will require large amount of water and during finalizing the proposal for supply of water the village will be considered to get the water supply from it.</p>
2	Shri. Jagadeesh Alva, Mudipu informed that in this area there are many companies including Infosys are working but they	With related to the jobs for locals Sri. Kumarappa, DDO from KIADB, Mangaluru said that although it is not

	<p>failed to fulfil the assurance of giving jobs to the locals and requested to give priority for the local people for giving employment. Further he demanded that no wastewater should flow into the nearby village generated from the Industries and he urged to the authorities to develop the connecting road from the project site to Mudipu.</p>	<p>coming under KIADB purview and per the information available, MESCOM official drawing electricity line from alternate route as there is some problem in two villages with respect to laying of electricity line</p> <p>At this point Deputy Commissioner informed the public that now only he came to know the issue regarding the electricity supply to this project area, he will call the MESCOM official to next District single window agency meeting to discuss the issue and assured the issue with MESCOM officials in the matter.</p>
3	<p>Shri. Fayaz of Belepuni village representing Shri. Abdulla of Mudipu Village asked about the details of land acquisition related to Sy.No. 26/3 of Mudipu village belongs to Shri. Abdulla, here requested not to acquire the said land as the resident of that land are very poor and they are running a shop for the livelihood and if land is acquired they have no way to lead their life as they are not so affluent to construct a new house and the compensation given also is meager hence he requested not to acquire the land Sy. No. 26/3 of Mudipu village belongs to Shri. Abdulla.</p>	<p>Regarding the land acquisition problems raised by the public with respect to project area Shri. Kumarappa, DDO from KIADB, Mangaluru said that he will give all information regarding this issues after discussing with land acquisition officials of KIADB and asked the public to contact him directly to get the information.</p>
4	<p>Shri. Radhakrishna Rai, Balepuni also informed that there are about seven to eight residential houses are facing the land acquisition problems in the Mudipu area and demanded that the authorities to solve the problem. Further he asked not to allow environmental hazard industries in the proposed project.</p>	<p>The allotment committee while allotting industrial plots will prefer green industries. The houses area are already acquired by the KIADB.</p>
5	<p>Shri Abdul Khadar, Mulur requested to provide a copy of technical presentation made in the hearing.</p>	<p>We have requested Sri. Abdul Khadar to collect a copy of the technical presentation made in the hearing from K.S.P.C.B., Mangaluru office.</p>

6	<p>Shri Abdul, President, Ira Grama Panchayath requested the authorities to take Gram Panchayat for confidence for the development of the proposed project and give maximum employment to the local villagers. He informed that there is a problem in laying Electricity line to the said project in Salettur village and Kukkaje village and urged to rectify the said problem.</p> <p>Referring to the 20 acre of land acquired in the Ira village, he informed that previous Deputy Commissioner has ordered to release the fund received during land acquisition to Farm Forestry development which is against the Panchayath Raj Act, hence requested to allot the fund to Grama Panchayath for village development as per the said Act. He requested to improve the water supply to the area and not to allow environmental pollution industries in the project area.</p>	<p>The electricity cable laying work for providing electricity to the said industrial area is in progress with the help of district administration.</p> <p>Action is being taken as per terms and conditions of the lease cum sale agreement of the board to provide employment to the land losers.</p> <p>The water will be supplied from Nethravathi river to Canara Indl. Area for which pipe line is to be laid from Mittakodi booster pumping station to the Canara indl. Area. The Allotment committee will prefer green industries/less polluting industries.</p>
7	<p>Gaurav Hegde, President, Canara Small Scale Industries Association, Baikampady, Mangaluru said that it is good that an industrial area is going to come up in this village area, which will help in the development in the district. He said that it is the duty of individual industries to follow the Rules and regulations to control the pollution and also said that it is good to have local employees for the industries. He requested KIADB to include the STP for sewage treatment and CETP for the Effluent treatment in the proposed project proposal</p>	<p>In addition to this the KIADB is reserved the land for development of STP &amp; CETP in the proposed industrial area. The layout map is enclosed in <b>Annexure VII</b></p>
8	<p>Shri. B.A. Nazeer, KSIA, Baikampady Mangaluru asked whether it is feasible to this area to have a common rain water harvesting system and also he requested KIADB to provide a building facility for ESI and KIADB section office and a common</p>	<p>Land is reserved in the layout map for ESI hospital, KIADB section office and common facility center within the project area. The layout map is enclosed in <b>Annexure VII</b></p>

	facility center within the project area to address the problems and issues related to industries and employees immediately	
9	Shri. Henry Britto, Industrialist Mangaluru asked to provide a separate dumping yard to dispose the solid waste and CETP to manage the effluent waste generated within the industrial area managed by KIADB	Land is reserved for CETP and Solid waste management dumping yard in the proposed layout. The layout map is enclosed in <b>Annexure VII</b>



## **8 PROJECT BENEFITS**

### **8.1 SIGNIFICANCE OF THE PROPOSED PROJECT**

Dakshina Kannada is one of the most industrialized districts in Karnataka and is known as “The Cradle of Indian Banking”. It has 23 large and medium industries and 21,986 MSME thriving across traditional sectors like Agriculture, Banking and Education as IT, petro-chemicals, port activities, fisheries, Food and marine processing.

In view of the above facts, KIADB has acquired 585.66 acres of land at Ira, Chelur, Balepuni and Kurnadu villages of Bantwal taluk, Karnataka to establish Canara Industrial Area. This project helps to develop infrastructure facilities, providing employment opportunities and improve the economy of the nation. Thus the proposed project is significant and is needed for the development of the area.

### **8.2 IMPROVEMENTS IN SOCIAL INFRASTRUCTURE**

The proposed development of Canara Industrial Area shall lead to direct and indirect employment to the people in the surrounding area. The changes which will be made in the social infrastructure by the development of the proposed area as follows:

- During the construction period, the people who depend on agriculture and who are not educated will get jobs like ancillary services for a temporary period.
- Employment opportunities for engineers, labors, security guards, housekeepers, etc will be created after the establishment of Industrial Areas.
- Due to the development of this industrial area, land value and house rent will be increased.
- Corporate Social Responsibility (CSR) activities in the Industrial Area will improve the social economic condition of the people in the surrounding area.
- The economic condition of the people in the respective area will be improved and facilities like education, plantation and parks, community, post offices and medical will be developed.

### **8.3 IMPROVEMENTS IN PHYSICAL INFRASTRUCTURE**

The proposed industrial area will include all the following infrastructure facilities:

- Water supply network
- Public Utilities