



Government of India
Ministry of MSME

DISTRICT INDUSTRIAL PROFILE



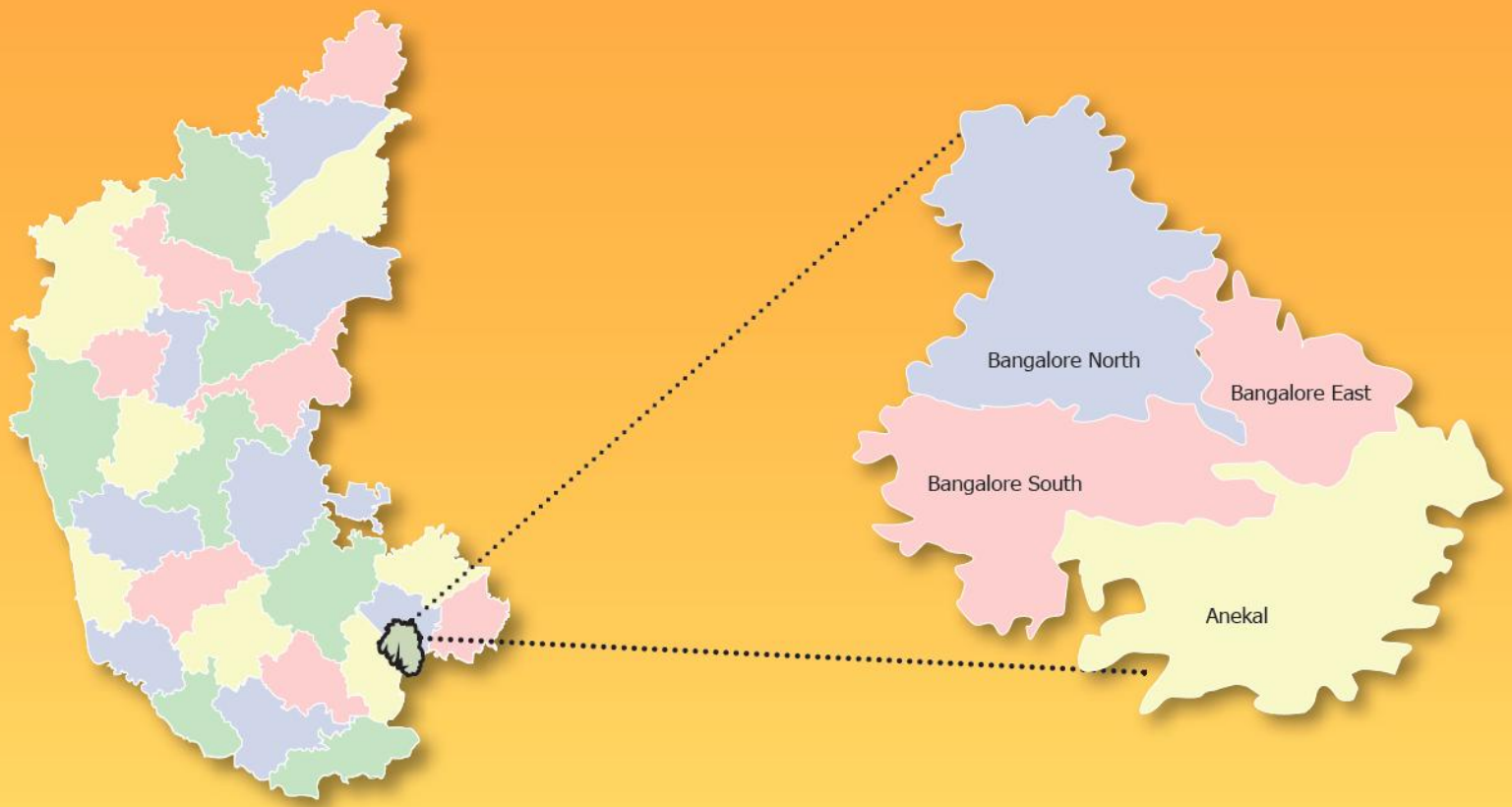
BENGALURU URBAN

..the Silicon Valley of India and Technology base in Asia



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BANGALORE URBAN DISTRICT & ITS TALUKS

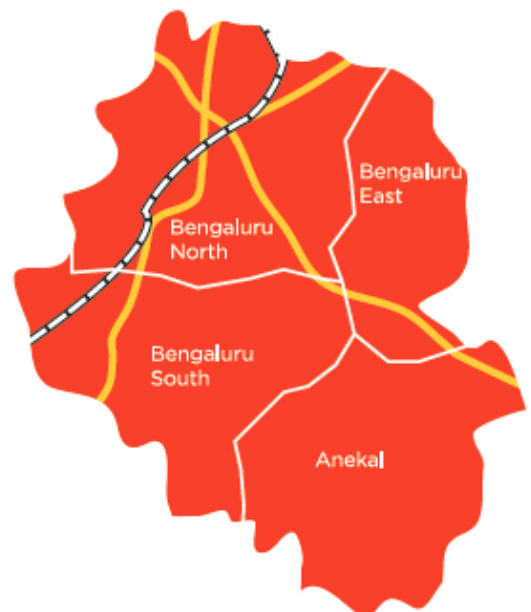


District Overview

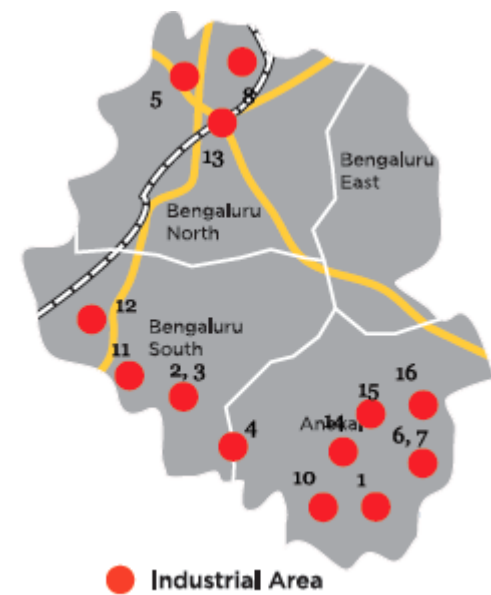
Bengaluru Urban



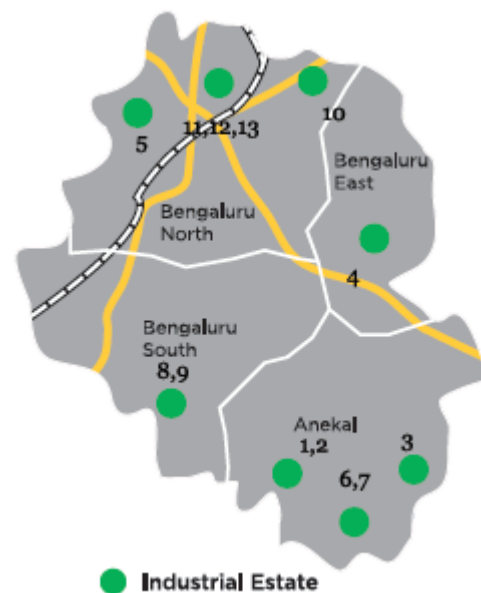
| LEGEND | |
|--------|----------------|
| | National Roads |
| | Rivers |
| | Railway |



| Sl. No. | Industrial Area |
|---------|---|
| 1 | Attibele |
| 2 | Bommasandra I & II & III Phases |
| 3 | Bommasandra IV Phases |
| 4 | Bommasandra - Jigani Link Road |
| 5 | Doddennakkundi I & II Phase Dyavasandra I & II Phases |
| 6 | Electronic City Phase II |
| 7 | Electronic City Phase III |
| 8 | EOIZ |
| 9 | EPIP I & II Phase |
| 10 | Jigani I & II Phase |
| 11 | Kadugodi - Sadaramangala |
| 12 | Kumbalaguda I & II Phases |
| 13 | Peenya I, II, III, IV Phases |
| 14 | Veerasandra |
| 15 | Yarandahalli, Anekal Taluk |
| 16 | Kachanayakanahalli, Anekal Taluk |
| | TOTAL |



| Sl. No. | Industrial Estate |
|---------|----------------------|
| 1 | Jigani Phase I |
| 2 | Jigani Phase II |
| 3 | Dyavasandra |
| 4 | N.G.E.F |
| 5 | Rajajinagara |
| 6 | Veerasandra Phase I |
| 7 | Veerasandra Phase II |
| 8 | Bommasandra I |
| 9 | Bommasandra II |
| 10 | HAL |
| 11 | Peenya phase I |
| 12 | Peenya phase II |
| 13 | Peenya phase III |



FOREWORD

The Micro, Small and, Medium Enterprises, Development Institute (earlier called SISI), under Ministry of MSME, Govt. of India, Bangalore is one of the prime organizations in Karnataka, engaged in the promotion and development of Industries in the Micro, Small and Medium Enterprises. As a part of the promotional and developmental activities, the Institute conducts studies on the Status and performance of Micro, Small and Medium Enterprises in the State. The District profile is one such report compiled and updated under District Industry Development Plan of the Institute assigned by Office of the Development Commissioner (SSI), New Delhi. This report contains the present status of economy, geographical information, statistical data relating to MSME's in each district, salient features of the progress of the different sectors of the each district of Karnataka and performance of industries particularly in Micro, Small and Medium industries.

I am happy to appreciate the efforts put in by all the officers and staff in this institute especially Shri. Rajkumar, IES, Deputy Director (EI), Smt. Neethu. K. Thomas, ISS, Assistant Director, Shri. D.Nataraja, Assistant Director (Stat), Shri.K.M.Balajee, Assistant Director (EI), Shri. Rajendran.B, Assistant Director (Hosiery), Shri. A. Shivakumar, Assistant Director (Mech), Smt. Sruthi G K, Assistant Director (EI), Shri. R. Anbu Kumaran, Assistant Director (IMT) in collecting the latest information available from different departments of Government of Karnataka and in bringing out this Industrial Profile report. I would also like to thank all Joint Directors of District Industry Centres, Senior Officers of Statistics Division of Govt. of Karnataka, Director of Industries and Commerce, for their valuable inputs during the preparation of this document. I sincerely hope that this report will be useful to all concerned with the development of Industries. It is needless to state that this document will serve as a valuable guide to the prospective entrepreneurs who are desirous of setting up of industries/enterprises in the state.

BANGALORE
15.06.2016

(S.N.RANGA PRASAD)
Director

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Industrial Profile of Bangalore Urban District

1. Introduction & General Characteristics of the District :

- Bengaluru is the Capital city of Karnataka Country's leading IT exporter.
- It is the 4th largest technological hub in the world and largest in Asia.
- World Economic Forum identified Bengaluru as the Innovation Cluster.
- Fastest growing major metropolis in the country with an economic growth of 10.3%
- Located on Deccan Plateau in the South Eastern part of Karnataka
- Spread across four Talukas namely Bengaluru North, Bengaluru East, Bengaluru South and Anekal.
- Possesses world class infrastructure in housing, education & research.
- Bengaluru is teeming with restaurants, clubs, pubs, health spas, amusement parks, supermarkets, theatres, cinemas, shopping malls, discotheques and other necessities of a modern-day metropolitan lifestyle.

1.1 Location & Geographical Area. :

Located on Deccan Plateau in the South Eastern part of Karnataka. Located at 12° 39' to 13° 18' North Latitude 77° 22' to 77° 52' East Longitude.

1.2 Topography:

| | |
|------------------|---------------------------------------|
| Temperature | 37° C (Max.) 6° C (Min.) |
| Average Rainfall | 831 mm |
| Rivers | Arkavati, Kanva and Dakshina Pinakini |
| Area | 2208 sq km |
| Population | 95,88,910 (As per 2011 census) |

1.3 Availability of Minerals.- PRODUCTION OF MINERAL :

| S.NO. | NAME OF MINERAL | PRODUCTION in tones 2010-2011 |
|---------------|-----------------|----------------------------------|
| MAJOR MINERAL | | |
| 1. | -Nil- | -Nil- |
| MINOR | | |
| 1. | Felspar | 1400 |

SOURCE : DEPT. OF MINES & GEOLOGY.,

1.4 FOREST : The district has a forest cover of 5055 Hectres.

1.5 Administrative set up. Spread across four Talukas namely Bengaluru North, Bengaluru East, Bengaluru South and Anekal.

1.6 Infrastructure and Resources

- Land Bank of 2,321 Acres.
- Out of 35 SEZ notified in Karnataka under the SEZ ACT, 2005, 14 are present in the district with an investment of US \$ 1.65 billion (INR 7937 Crores).
- Dhabol – Bengaluru Gas Pipeline being implemented by GAIL (Gas Authority of India Ltd) - five power projects proposed along the pipeline will facilitate industries, will also enable city gas distribution in Bengaluru and Tier II cities.
- Proposed multi storied vehicle parking at 10 important traffic routes in Bengaluru with an investment of US \$ 20.83 million (INR 1,00 Crores).
- Service Facilities: 188 Urban Cooperative Banks, 325 Post Offices & 170 Telephone Exchanges with 917,290 connections and 28 Telegraph offices.
- The Suvarna Karnataka Development Corridor has proposed a Pharmaceutical & Bio-Tech zone covering Bengaluru Urban District.
- Bengaluru ranks the highest in India in the implementation and value of PPP projects.
- Bengaluru Metro (Namma Metro) - Mass Rapid Transit System for the city of Bengaluru. Total -137 Km till 2017.
- A prestigious Government Tool Room Training Centre (GTTC) was established with the assistance of Dutch Government at Industrial Estate Rajajinagar.
- An exclusive garment complex has been established at Rajajinagar Industrial Estate.
- Multi-storied complexes at Electronic City industrial estate Bommasandra.
- ISI Complex at Peenya established to test and certify the product manufactured by SSI units.
- Multi-storied complexes with flatted factory accommodation established in each of the three stages of Industrial Estate Peenya.
- Joint Venture: MOU is signed with M/s Karnataka State Industrial Investment Development Corporation to construct Information Technology and Bio-technology park in Rajajinagar Industrial Estate at a cost of INR.37 Crores. The construction is in progress.
- Wheel & Axle industry, with highest production unit in Asia.

Power

- Transmission and Distribution in the district is being done by Bengaluru Electricity Supply Company Limited (BESCOM)
- In wind power segment, projects have been proposed at Hanumanamatti and Kappatagudda
- Smart-grid is proposed to be implemented in the Bengaluru Urban district by BESCOM
- Annual Average Consumption of 14225 MU
- 28 % Industrial, 33 % Domestic consumption

Water

- Water supply for the district is managed by Bangalore Water Supply and Sewerage Board (BWSSB)
- Water is sourced from Arakavathi river and Cauvery for drinking purposes
- Bengaluru Urban has 461 water tanks of various capacities serving irrigation needs
- 82 % of cultivable area is rain fed
- Total Supply Capacity - 1480 MLD
- 52 reservoirs and 118 ground level reservoirs
- Average Consumption
- Industrial – 522.37 MLD
- Domestic – 20.97 MLD

2. District at a glance:

| S.No | Particular | Year | Unit | Statistics |
|-----------|--|------|----------|--------------------|
| 1 | Geographical features | | | |
| (A) | Geographical Data | | | |
| | i) Latitude | | | 12° 39' to 13° 18' |
| | ii) Longitude | | | 77° 22' to 77° 52' |
| | iii) Geographical Area | | Hectares | |
| (B) | Administrative Units | | | 217410 |
| | i) Sub divisions | | | 2 |
| | ii) Tehsils | | | 4 |
| | iii) Sub-Tehsil | | | 6 |
| | iv) Patwar Circle | | | 17 |
| | v) Panchayat Simitis | | | - |
| | vi)Nagar nigam | | | 1 |
| | vii) Nagar Palika | | | 19 |
| | viii) Gram Panchayats | | | 86 |
| | xi) Revenue villages | | | 699 |
| | x) Assembly Area | | | 11 |
| 2. | Population (As per Census 2011) | | | |
| (A) | Sex-wise | | | |
| | i) Male | 2011 | Nos | 50,25,498 |
| | ii) Female | 2011 | Nos | 45,63,412 |
| (B) | Rural Population | 2011 | | 8,68,971 |
| 3. | Agriculture | | | |
| A. | Land utilization | | | |
| | i) Total Area | | Hectare | 217410 |
| | ii) Forest cover | | " | 5055 |
| | iii) Non Agriculture Land | | " | 115436 |
| | v) cultivable Barren land | | " | 4911 |
| 4. | Forest | | | |
| | (i) Forest | | Ha. | 5055 |
| 5. | Livestock & Poultry | | | |
| A. | Cattle | | | |
| | i) Cows | | Nos. | 127439 |
| | ii) Buffaloes | | Nos. | 11254 |
| B. | Other livestock | | | |
| | i) Goats | | Nos. | 41097 |
| | ii) Pigs | | Nos. | 4522 |
| | iii) Dogs & Bitches | | Nos. | 124163 |
| | iv) Railways | | | |
| | i) Length of rail line | | Kms | 148 |
| | V) Roads | | | |
| | (a) National Highway | | Kms | 147 |
| | (b) State Highway | | Kms | 91.30 |
| | (c) Main District Highway | | Kms | 682.09 |

| | | | |
|---|--|------------------|--------------------------|
| (d) Other district & Rural Roads | | Kms | 1421.35 |
| (e) Rural road/ Agriculture Marketing Board Roads | | Kms | INCL.IN ITEM (D) |
| (f) Kachacha Road | | Kms | 935.18 |
| (VI) Communication | | | |
| (a) Telephone connection | | | 872095 |
| (b) Post offices | | Nos. | 251 |
| (c) Telephone center | | Nos. | 183 |
| (d)Density of Telephone | | Nos./1000 person | - |
| (e) Density of Telephone | | No. per KM. | - |
| (f) PCO Rural | | No. | - |
| (g) PCO STD | | No. | - |
| (h) Mobile | | No. | 1033365 |
| (VII) Public Health | | | |
| (a) Allopathic Hospital | | No. | 9 |
| (b) Beds in Allopathic hospitals | | No. | 1790 |
| (c) Ayurvedic Hospital | | No. | 6 |
| (d) Beds in Ayurvedic hospitals | | No. | 396 |
| (e) Unani hospitals | | No. | - |
| (f) Community health centers | | No. | 3 |
| (g) Primary health centers | | No. | 75 |
| (h) Dispensaries | | | - |
| (i) Sub Health Centers | | No. | 15 |
| (j) Private hospitals | | No. | 195 |
| (VIII) Banking commercial | | | |
| (a) Commercial Bank | | Nos. | 793 |
| (b) rural Bank Products | | Nos. | 16 |
| (c) Co-Operative bank products | | Nos. | 136 |
| (d) PLDB Branches | | Nos. | 3 |
| (IX) Education | | | |
| (a) Primary school | | Nos. | 1030 |
| (b) Middle schools | | Nos. | 3099 |
| (c) Secondary & senior secondary schools | | Nos. | 2031 |
| (d) Colleges | | Nos. | 545 |
| (e) Technical University | | Nos. | 26(Medical)+ 73(Engg) |

Source : Source : Directorate of Economics and Statistics

2.1.1 Existing Status of Industrial Estates in the District :

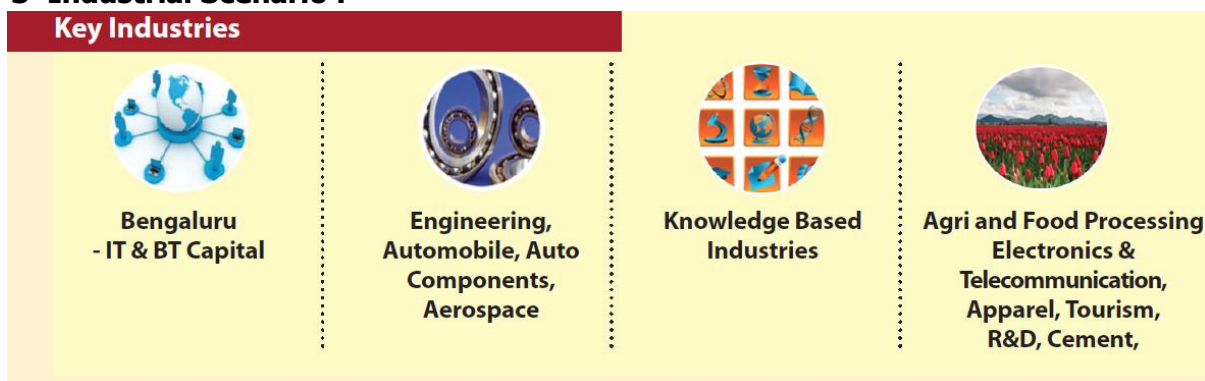
| S No | Name of the Estate | Land acquired (In Hectare) | Land Developed (In Hectare) | Prevailing rate per Sqm | Numbers Formed | | Numbers Allotted | | Numbers vacant | | No. of units in production | |
|------|--------------------|----------------------------|-----------------------------|-------------------------|----------------|--------------|------------------|--------------|----------------|-------------|----------------------------|--------------|
| | | | | | Plot s | Sheds/ flats | Plots | Sheds/ flats | Plots | Sheds/ flat | Plot s | Sheds/ flats |
| 1 | Jigani-I | 18.05 | 18.05 | 4250 | 88 | 100 | 88 | 97 | 0 | 3 | 0 | 52 |
| 2 | Jigani-II | 16.05 | 16.05 | 4680 | 73 | 4 | 73 | 4 | 0 | 0 | 0 | 27 |
| 3 | Dyavas andra | 30.00 | 30.00 | 15300 | 19 | 170 | 18 | 170 | 1 | 0 | 0 | 153 |
| 4 | NEF | 15.16 | 15.16 | 12090 | 20 | 54 | 20 | 54 | 0 | 0 | 0 | 74 |
| 5 | Rajajinagar | 37.00 | 37.00 | 32230 | 9 | 277 | 9 | 277 | 0 | 0 | 0 | 112 |
| 6 | Electronic city | 10.00 | 10.00 | 11290 | 9 | 126 | 9 | 117 | 0 | 9 | 0 | 55 |
| 7 | Veerasandra 1 | 14.33 | 14.33 | 8710 | 2 | 104 | 2 | 104 | 0 | 0 | 0 | 81 |
| 8 | Veerrasandra II | 10.00 | 10.00 | 8710 | 46 | 15 | 45 | 15 | 1 | 0 | 0 | 37 |
| 9 | Bomma Sandra I | 25.00 | 25.00 | 8710 | 8 | 101 | 8 | 101 | 0 | 0 | 0 | 105 |
| 10 | Bomma Sandra II | 10.00 | 10.00 | 8710 | 58 | 15 | 58 | 15 | 0 | 0 | 0 | 61 |
| 11 | HAL | 2.34 | 2.34 | 0 | 10 | 0 | 10 | 0 | 0 | 0 | 0 | 0 |
| | | 187.93 | 187.93 | 114680 | 342 | 966 | 340 | 954 | 2 | 12 | 0 | 757 |

Source : KSSIDC - Bangalore

2.1.2 Existing Status of Industrial Areas in the District :

| Sl. No. | Industrial Area | Extent (acres) |
|---------|---|----------------|
| 1 | Attibele | 250 |
| 2 | Bommasandra I II & III Phases | 904 |
| 3 | Bommasandra IV Phases | 214 |
| 4 | Bommasandra - Jigani Link Road | 712 |
| 5 | Doddennakkundi I & II Phase Dyavasandra I & II Phases | 526 |
| 6 | Electronic City Phase II | 341 |
| 7 | Electronic City Phase III | 114 |
| 8 | EOIZ | 18 |
| 9 | EPIP I & II Phase | 596 |
| 10 | Jigani I & II Phase | 615 |
| 11 | Kadugodi - Sadaramangala | 539 |
| 12 | Kumbalaguda I & II Phases | 218 |
| 13 | Peenya I, II, III, IV Phases | 1485 |
| 14 | Veerasandra | 107 |
| 15 | Yarandahalli, Anekal Taluk | 27 |
| 16 | Kachanayakanahalli, Anekal Taluk | 35 |
| | TOTAL | 6701 |

3 Industrial Scenario :



3.1 Industry at a Glance

| Sr No | Head | Unit | Particulars (As on 31.03.2016) |
|-------|----------------------------|----------|-----------------------------------|
| 1 | REGISTERED MSME | Nos. | 91312 |
| 2 | LARGE INDUSTRIAL UNIT | Nos. | NA |
| 3 | EMPLOYEMENT IN MSME | Nos. | 920299 |
| 4 | NO. OF INDUSTRIAL AREA | Nos. | 16 |
| 5 | No. of Industrial Estate | Nos. | 11 |
| 6 | No. of Industrial Parks | Nos. | -- |
| 7 | Total investments in MSMEs | In lakhs | 4484688 |

3.2 YEAR WISE TREND OF UNITS REGISTERED

| YEAR | NUMBER OF REGISTERED UNITS | EMPLOYMENT | INVESTMENT (lakh Rs.) |
|-------------|----------------------------|------------|--------------------------|
| Upto2006-07 | 55539 | 43262 | 3807664 |
| 2007-08 | 2652 | 49967 | 45280 |
| 2008-09 | 2373 | 56324 | 71672 |
| 2009-10 | 2767 | 58469 | 73290 |
| 2010-11 | 3696 | 45116 | 53119 |
| 2011-12 | 4478 | 48288 | 70335 |
| 2012-13 | 7130 | 78430 | 111941 |
| 2013-14 | 7526 | 72267 | 122834 |
| 2014-15 | 8031 | 70039 | 115943 |
| 2015-16 | 1483 | 8771 | 12610 |

Source: DIC

3.3 DETAILS OF EXISTING MICRO & SMALL ENTERPRISES AND ARTISAN UNITS IN THE DISTRICT

| NIC CODE | TYPE OF INDUSTRY | NUMBER OF UNITS | INVESTMENT (Lakh Rs.) | EMPLOYMENT |
|----------|---|-----------------|-----------------------|------------|
| 20 | Agro based | 84 | 1190.65 | 764 |
| 22 | Soda water | - | - | - |
| 23 | Cotton textile | 804 | 3527.96 | 4052 |
| 24. | Woolen, silk & artificial Thread based clothes. | - | - | - |
| 25. | Jute & jute based | - | - | - |
| 26. | Ready-made garments & embroidery | 600 | 8796.97 | 13183 |
| 27. | Wood/wooden based furniture | 40 | 220.85 | 314 |
| 28. | Paper & Paper products | 64 | 805.23 | 766 |
| 29. | Leather based | 22 | 1155.48 | 2231 |
| 31. | Chemical/Chemical based | 283 | 3603.83 | 2527 |
| 30. | Rubber, Plastic & petro based | 185 | 2562.49 | 1626 |
| 32. | Mineral based | - | - | - |
| 33. | Metal based (Steel Fab.) | 87 | 856.05 | 735 |
| 35. | Engineering units | 1955 | 30295.53 | 19489 |
| 36. | Electrical machinery and transport equipment | | | |
| 97. | Repairing & servicing | 8 | 114.08 | 122 |
| 01. | Others | 217 | 4772.28 | 2767 |
| | Kachori Making | - | - | - |

Source: www.karnatakaindustry.gov.in (As on 31.03.2016)

3.4 Large Scale Industries / Public Sector undertakings :

- **Base of leading manufacturing companies** such as Larson & Tubro , Kirloskar, General Motors , General Engineering , Volvo, INTEL, SAP Labs, Huawei technologies & Toyota Kirloskar
- **Engineering industries** such as National Aerospace Laboratories, BHEL, Indian Telephone Industries, BEML, BEL & HMT are headquartered in Bengaluru along with Wheel and Axle plant .

3.5 Major Exportable Items :

- IT , IT related Products, Software, Readymade Garments, Agarbattis, Gem & Jewellery , Machine Tools, Light engineering ,Electronic Goods .

3.6 Growth Trend :

- The major **industrial products** included - Software Technology Park, IT/ITES, Telecom, Plastic Furnitures, Service Health care centre, Metal Slitting, Village Heritage Park, IT Park, Critical Reactors for Nuclear Power Plants, Automobile Engineering, Software Development, Hospital Research, Zinc Plating, Cold Storage & Transportation, Steam Turbines, Active pharmaceutical Ingredients and Aerospace Components, Logistics & Warehousing, Gem & jewellery, Integrated Circuits & Designs in modular units.

3.7 Vendorisation / Ancillarisation of the Industry :

- Software Technology Park, IT/ITES, Automobile Engineering, Software Development, Aerospace Components.

3.8.1 List of the units in Bengaluru Urban & Near By Area

National Aerospace Laboratories, BHEL, Indian Telephone Industries, BEML, BEL, HMT, Wheel and Axle plant , L&T, Kirloskar, GM, GE, Volvo, Intel, SAP Labs, Huawei technologies, Toyota Kirloskar

3.8.2 Major Exportable Items :

IT , IT related Products, Software, Readymade Garments, Agarbattis, Jewellery Machine Tools, Light engineering ,Electronic Goods .

3.9.1 Service Enterprises :

3.9.2 Potentials areas for service industry :

- Knowledge Based Industries
- Research & Development Centers
- Knowledge City.
- Private Universities

IT & IT related:

- Information Technology
- Cloud Computing Infrastructure
- IT/ITES
- IT Hardware and component manufacturing
- Business Process Outsourcing (BPO)
- Training and Education Centers

3.10 Potential for new MSMEs :

The major **industrial products** included - Software Technology Park, IT/ITES, Telecom, Plastic Furnitures, Service Health care centre, Metal Slitting, Village Heritage Park, IT Park, Critical Reactors for Nuclear Power Plants, Automobile Engineering, Software Development, Hospital Research, Zinc Plating, Cold Storage & Transportation, Steam Turbines, Active pharmaceutical Ingredients and Aerospace Components, Logistics & Warehousing.

IT & BT Capital:

- Country's leading IT exporter
- 87 SEI CMM Level-5 IT companies in the world and there are 63 in India; out of which more than 50% are in Bengaluru
- 4th Largest technology cluster in the world and largest in Asia
- Out of 30 top BT Schools in India, 20 are in Bengaluru
- Home to the biggest bio cluster in Electronic City
- Bengaluru Biotech Park- Spread over 100 acres with World-Class Infrastructure, State-of-the art Biotech Incubators, Common Facilities Centre and Digital DNA Park
- 2180 companies in Software Technology, 196 BT, 2156 IT, etc.

Engineering:

- Bengaluru - the main expo hubs of the country and hosts IMTEX, the largest machine tool trade fair in South Asia
- Home to industrial Icons like - Toyota, Bosch, L&T, Kirloskar, Escorts Ltd (Automotive Division), Volvo.
- Delphi Automotive Systems Pvt. Ltd. has expanded its technical centre in Bengaluru with an investment of US \$25 million

Aerospace:

- Aerospace SEZ in 250 acres of land near Bengaluru International Airport
- India's first private aircraft factory Hindustan Aircraft Ltd. began its operations in Bengaluru. Also, 4 out of 9 R&D centres of HAL are in Bengaluru
- Airbus Industries has located its Airbus Engineering Centre at Bengaluru
- Internationally renowned institutions like HAL, DRDO, ISRO, ADA, NAL, Antrix are based in Bengaluru
- Bengaluru is the headquarters of ISRO & DRDO, also DRDO has 5 aeronautic centers in Bengaluru
- Presence of renowned industrial icons - AirWorks India Engineering and QUEST Global

Knowledge Based Industries:

- Microsoft Research India is planning to open its 2nd R&D centre in Bengaluru
- The Indian Institute of Human Settlements (IIHS), the country's first university exclusively focused on urban affairs to be based at Bengaluru with a proposed investment of US \$ 52.08 mn
- Philips Innovation Campus in Bengaluru involved extensively in designing innovative engineering, healthcare and consumer lifestyle solutions
- IBM, present in India since 1992, has one of its 10 global innovation centers in Bengaluru
- GE Healthcare, Bengaluru is GE's innovation centre providing innovative solutions for healthcare industry
- Medical Hub due to the presence of World's Largest 'healing center' and 'telemedicine center'

4. Existing Clusters of Micro & Small Enterprise :

- World Economic Forum identified Bengaluru as the **Innovation Cluster**.
- Business Week placed Bengaluru among the '**Global Hot Spots** of the 21st Century
- 4th Largest technology cluster in the world.
- Bengaluru is also known as silicon valley and Technology base in Asia.
- Bangalore is One of the pioneers in the concept of industrial clusters with established Industrial clusters like Whitefield, Electronics City, Peenya etc.
- Peenya is the largest industrial cluster in Asia.
- IT firms in Bengaluru employ about **35% of India's pool of 1 million IT professionals** and account for the **highest IT-related exports** in the country.
- Bengaluru is the home to the **biggest bio cluster in India** with 137 Biotechnology companies, making it 40% of the total 340 such units in the country. Home to the **biggest bio cluster** in the Electronic City.
- Total 87 nos. of Fortune MNCs, 2084 nos. of IT Companies and 195 BT companies are there in Karnataka.
- Peninsular Gneissic Complex (PGC) is the most dominant rock unit in the area and includes granites, gneisses and migmatites, while the soils of Bengaluru consist of red laterite and red fine loamy to clayey soils.
- **Upcoming 'Silk City'** with an **investment of US \$ 14.5 million (INR 70 Crores)** in north Bengaluru region

MSME Clusters:

Agarbatti, Rugs & Duries, Wood Carving, Shopping bag/ fancy Items, Toyes and Decoration pieces, Brass and Copper Art Ware, Dolls from pulp, Jewellery, Metalware Grass, Leaf, Reed & Fibre, Earthier ware/pottery, Embroidery by hand, Printing of cloth by hand, Toyes and decoration Pieces, Wood Furniture & Fixtures, Textile Handlooms .

Artisan Clusters :

Machine Tools, Power loom , Electronic Goods , Readymade Garments engineering , Leather Products .

4.1 MSE-CDP CLUSTERS :

4.1.1 Manufacturing Sector

- a. ELICA Cluster Bangalore: Electronic city association Bangalore, Common Facility centre building is been completed and Machinery purchase are under progress.

| | | | | |
|-------------------------|--------------------------------------|--------------------------------|---------------------------------|--------------------------------|
| ELICA cluster Bangalore | Total project cost Rs. 14.4102 cr | SPV contribution Rs. 2.16cr | GOI Contribution Rs. 10.08cr | GOK Contribution Rs. 2.16cr |
|-------------------------|--------------------------------------|--------------------------------|---------------------------------|--------------------------------|

Name of the Cluster: ELCIA Cluster, Bangalore

| | | |
|----|---|--|
| 1 | Principal products manufactured | Electronics Home and Industry Appliances |
| 2 | Name of the SPV | Electronics City Industries Association (ELCIA) |
| 3 | No.of functional units in the cluster | 60 |
| 4 | Turnover of the cluster | Rs. 275 Cr |
| 5 | Value of exports from the cluster | Rs. 60 Cr |
| 6 | Employment in cluster | 3000 (Direct) 15000 (Indirect) |
| 7 | Average investment in plant & machinery | Rs. 20 Lakh to Rs. 2 Cr |
| 8 | Major issues / requirement | Lack of Value addition & Innovation, Lack of R&D lab, Lack of Testing facility |
| 9 | Presence of capable institutions | IISc, Bangalore |
| 10 | Thrust areas | Electronic Product |
| 11 | Problems & constraints | Lack of Value addition & Innovation, Lack of R&D lab, Lack of Testing facility |

- b. Electronic System Design CLIK cluster Bangalore: Submitted DSR and process of identifying the land.

4.1.2 Service Sector

Knowledge Based Industries

Research & Development Centers, Knowledge City, Private Universities. There is good scope for clusters in Bangalore. But no clusters are developed.

5. STEPS TO SET UP MSMEs

Following are the brief description of different agencies for rendering assistance to the entrepreneurs.

| S.No. | Type of assistance | Name and address of agencies |
|-------|--|--|
| 1. | Registration of MSMEs | Online Registration. www.udyogaadhaar.gov.in Director, MSME-Development Institute Ministry of MSME, Govt. of India, Rajaji Nagar Industrial Estate, West of Chord Road, Bangalore. 560010 ☎ Phone : 080-23151581/82/83 ✉ e-mail: dcdi-bang@dcmsme.gov.in www.msmedibangalore.gov.in |
| 2. | Identification of Project Profiles, Techno-economic and Managerial consultancy Services , Market survey and economic survey reports. | MSME-Development Institute Ministry of MSME, Govt. of India, Rajaji Nagar Industrial Estate, West of Chord Road, Bangalore. 560010 ☎ Phone : 080-23151581/82/83 ✉ e-mail: dcdi-bang@dcmsme.gov.in www.msmedibangalore.gov.in Chief Executive Officer & Chief Adviser Technical Consultancy Services Organisation of Karnataka (A Govt. of Karnataka Organisation) 4 th Floor, Basava Bhavan, Basaveshwara Circle, Bangalore 560 001. ☎ Phone : 080-22266134/2226152/41512382 ✉ e-mail: tecsok1@airtelmail.in www.tecsok.com |
| 3. | Industrial Land | Chief Executive Officer & Executive Member Karnataka Industrial Areas Development Board (KIADB) 4 th & 5 th Floor, East Wing, Khanija Bhavan, Race Course Road, Bangalore. – 560001 ☎ Phone : 080-22265383/22267900 ✉ e-mail: kiadb@mail.nic.in www.kiadb.in |
| 4. | Industrial Shed | Chairman Karnataka State Small Industries Development Corporation Limited., (KSSIDC), Rajaji Nagar Industrial Estate, West of Chord Road, Bangalore. 560010 ☎ Phone : 080-23407011 www.kssidc.kar.nic.in |
| 5. | Financial Assistance | All Nationalized Banks Managing Director Karnataka State Financial Corporation (KSFC) No. 1/1, Thimmaiah Road, Bangalore. 560052, ☎ Phone : 080-2263322 ✉ e-mail: info@ksfc.in www.ksfc.in |
| 6. | For Raw Materials under Govt. Supply | Chairman Karnataka State Small Industries Development Corporation Limited., (KSSIDC) Rajaji Nagar Industrial Estate, West of Chord Road, Bangalore. 560010 ☎ Phone : 080-23407011 www.kssidc.kar.nic.in General Manager National Small Industries Corporation (NSIC) No. 25, First Main Road, KSSIDC Industrial Estate, 6 th Block, Rajaji Nagar, Bangalore. 560010 ☎ Phone : 080-23109059/23307791/23147858 ✉ e-mail: boban@nsic.co.in www.nsic.co.in |
| 7. | Plant & Machinery under hire/purchase basis | General Manager National Small Industries Corporation (NSIC) No. 25, First Main Road, KSSIDC Industrial Estate, 6 th Block, Rajaji Nagar, Bangalore. 560010 ☎ Phone : 080-23109059/23307791/23147858 ✉ e-mail: boban@nsic.co.in www.nsic.co.in |
| 8. | Power / Electricity | Bangalore Electrical Supply Corporation, BESCOM H.O. Bangalore |

| | | |
|-----|-------------------------------|--|
| 9. | Technical Know-How | Managing Director Karnataka Council for Technological Upgradation (KCTU) 4th Floor, Basava Bhavan, Basaveswara Circle, Bangalore - 560001 ☎ Phone : 080-22250722 ☒ e-mail: md-kctu-ka@nic.in ☒ e-mail: info-kctu-ka@nic.in www.kctu.kar.nic.in |
| 10. | Quality & Standard | Scientist 'F' & Head Bureau of Indian Standards (BIS) Peenya Industrial Estate, 1 st Stage, Tumkur Road, Bangalore-560058 ☎ Phone : 080-28394955/283949656 ☒ e-mail: bnbo@bis.gov.in www.bis.org.in |
| 11. | Marketing & Export Assistance | Visvesvaraya Trade Promotion Centre (VTPC) III Floor, 'A' Block, BMTD Complex, Shantinagar, Double Road, Bangalore -560027. ☎ Phone 080-22230853 / 22210633 / 22534444 ☒ e-mail: md@vtpckarnataka.gov.in www.vtpckarnataka.gov.in Engineering Export Promotion Council (EEPC) Sub-Regional Office, 2nd Floor, Vinayaka Complex, 44/45 Residency Road Cross, Bangalore- 560025 ☎ Phone : 080-25581396/25588619 ☒ e-mail: eeecsroblr@eepcindia.net www.eepcindia.com EXIM Bank India Ramanashree Arcade, Floor 4, 18 M G Road, Bangalore. ☎ Phone : 080-25585755 ☒ e-mail: eximbro@eximbankindia.in www.eximbankindia.in |
| 12. | Other Promotional Agencies | Managing Director Karnataka Udyog Mitra 3rd Floor, Khanija Bhavan (East Wing), No.49, Race Course Road, Bangalore – 560 001 ☎ Phone : 080-22282392/2228 5659/2238 1232/2228 6632 ☒ e-mail: md@kumbangalore.com www.kum.karnataka.gov.in |

6. Any other important additional information of the district:

Bengaluru - IT & BT Capital :

- Bengaluru.. the name is synonymous to Silicon Valley of India, IT Hub of Asia and IT Capital of India. The journey started in 1992 when country's first satellite earth station was set up in the city for high speed communication services to facilitate software exports . At present, Indian Software exports is likely to grow by 10.77% & expected to exceed US \$ 54.41 billion in volume. Bengaluru is contributing approximately 36% of the total exports.
- **Highest contributor to the state economy** with 33.8% contribution to GDDP (2008-2009).2180 companies in Software Technology Parks of India, Bengaluru, 2156 IT Companies are there.87 SEI CMM Level -5 IT companies in the world and there are 63 in India; out of which more than **50% are in Bengaluru.**

- **Bengaluru Biotech Park-** Spread over 100 acres with World-Class Infrastructure, State-of-the art Biotech Incubators, Common Facilities Centre and Digital DNA Park 196 Bio technology factories are there.
- Out of 30 top BT Schools in India, 20 are in Bengaluru Home to the **biggest bio cluster** in the Electronic City **Engineering**.
- Bengaluru - the **main expo hubs** of the country and hosts IMTEX, the largest machine tool trade fair in South Asia.
- Home to **industrial Icons** like – Toyota, Bosch, L&T, Kirloskar, Escorts Ltd (Automotive Division), Saginaw India, Avasaralu Automotions and Omax Autos Limited.
- Airbus Industries has located its **Airbus Engineering Centre** at Bengaluru. **Delphi Automotive Systems** Pvt. Ltd. has **expanded its technical centre** in Bengaluru with an investment of US \$ 25 million.
- **Aerospace : Aerospace SEZ in 250 acres** of land near Bengaluru International Airport.
- **India's first private aircraft factory** Hindustan Aircraft Ltd. began its operations in Bengaluru. Also, **4 out of 9 R&D centres of HAL are in Bengaluru.**
- **Internationally renowned institutions like HAL, DRDO, ISRO, ADA, NAL, IISC, Antrix are based in Bengaluru.**
- Bengaluru is the headquarters **of ISRO & DRDO**, also **DRDO** has 5 aeronautic centers in Bengaluru.
- Presence of **renowned industrial icons** - AirWorks India Engineering and QUEST Global.

Knowledge Based Industries :

- **Microsoft Research India** is planning to open its 2nd R&D centre in Bengaluru. The Indian Institute of Human Settlements (IIHS), the country's first university exclusively focused on urban affairs to be based at Bengaluru with a proposed investment of US \$ 52.08 mn.
- **Philips Innovation Campus** in Bengaluru involved extensively in designing innovative engineering, healthcare and consumer lifestyle solutions
- **IBM**, present in India since 1992, has one of its 10 global innovation centers in Bengaluru
- **GE Healthcare, Bengaluru** is GE's innovation centre providing innovative solutions for healthcare industry

Agri and Food Processing :

- **Flower Auction Centre & International Flower Auction Board** is in operation at Bengaluru for promotion of exports of flowers from the state

- **Hub for floriculture industries** and accounts for 70% of all rose exports from India.
- **HOPCOMS**, a co-operative society for marketing of Horticulture produce, handles a quantity of approximately 100 metric tonnes per day in Bengaluru.
- District agriculture training centre located at R.K Shala, Anekal Taluk
- Around 10 % of the total MSME units in the district are engaged in Agri and Food Processing

Economy & Industry Profile

Economy Profile

- **Medical Hub** due to the presence of World's largest 'healing center' and 'telemedicine center'
- **Upcoming 'Silk City'** with an **investment of US \$ 14.5 million (INR 70 Crores)** in north Bengaluru region
- Business Week placed Bengaluru among the '**Global Hot Spots** of the 21st Century'
- Bengaluru is also known as silicon valley and Technology base in Asia.
- **Major crops grown** - Paddy, Ragi, Maize, Horse gram and oil seeds. **Anekal Taluk** is called as **Ragi Bowl** in the State. The horticultural crops like Banana, Grapes, Papaya, Mango sapota, Pomegranate Commercial plantation – Coconut and also Rose crop

Tourism :

- **Bull Temple** - Magnificent pilgrimage of Nandi (the sacred bull as per Hindu mythology) 15 feet tall and over 20 feet long.
- **Bannerghatta National Park** - Rich natural zoological reserve with white tigers & lions. Also hosts first butterfly park in India.
- **Bengaluru Palace** - A minor replica of the Windsor Castle in England. **Lalbagh botanical garden** - Well known botanical garden spread over 240 acres ;
- commissioned by the ruler of Mysore, Hyder Ali and home to over 1000 species of flora
- **Visvesvaraya Industrial and Technological Museum** - famous for its interactive exhibits. **Tipu Sultan's Summer Palace** - Beautiful two-storey ornate wooden structure with exquisitely carved pillars, arches and balconies; built in 1791 and was Tipu Sultan's summer retreat

BENGALURU URBAN



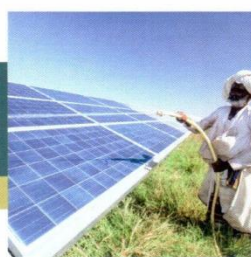
MSME SCHEMES

MSME OPERATES A NUMBER OF PROMOTIONAL SCHEMES FOR THE MSE SECTOR:

- ▲ Credit Linked Capital Subsidy Scheme for Technology Upgradation (CLCSS)
- ▲ Credit Guarantee Fund Trust for Micro and Small Enterprises (CGTMSE)
- ▲ ISO 9001/ISO 14001 HACCP Certification Reimbursement Scheme.
- ▲ Cluster Development Programme for identified Cluster of MSE's
- ▲ Market Development Assistance International Trade Fairs (For Individual MSEs)
- ▲ National Awards for outstanding MSME Entrepreneurs, R&D efforts in MSME Sector
- ▲ Quality products in MSE sector and Innovation effort (For Individual MSMEs)
- ▲ TREAD Scheme for Women (Individual Regd. Association & NGOs)
- ▲ Capacity Building/ Seminar for Industrial Associations
- ▲ Public Procurement Policy - MSEs 2012

NATIONAL MANUFACTURING COMPETITIVENESS PROGRAMME (NMCP) SCHEMES FOR MSMEs UNDER PPP MODEL:

- ▲ Marketing Support / Assistance to MSMEs (BAR Code)
- ▲ Support for Entrepreneurial and Managerial Development of MSMEs through Incubators
- ▲ Enabling Manufacturing Sector to be Competitive through Quality Management Standards & quality Technology Tools (QMS/QTT)
- ▲ Building Awareness on Intellectual Property Rights for MSMEs (IPR)
- ▲ Lean Manufacturing Competitiveness Scheme for MSMEs (LMCs)
- ▲ Design Clinic Scheme for design expertise to MSMEs Manufacturing sector (DESIGN)
- ▲ Marketing Assistance and Technology Upgradation Scheme for MSMEs (MATU)
- ▲ Technology and Quality Upgradation support to MSMEs (TEQUP)
- ▲ Promotion of Information & Communication Technology in Indian MSME Sector (ICT)



Government of India

Ministry of Micro, Small & Medium Enterprises

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