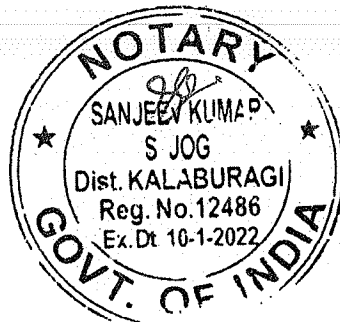


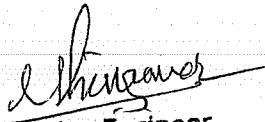
CHAPTER-1

About GESCOM

PREAMBLE :

- GESCOM is filing its Annual Performance Review for FY-20, projected Annual Revenue Requirement for the Financial years FY-22 and Tariff Petition for FY-22 as per KERC (Term and Conditions for Determination of Tariff for Distribution and Retail Sale of Electricity) Regulation, 2006.
- Structure of the filing comprises of ;
 - a. GESCOM Profile
 - b. Annual Performance Review for FY-20.
 - c. Annual Revenue Requirement.
 - d. Revenue, Income and Revenue Deficit
 - e. Compliance to Hon'ble Commission's Directives.
 - f. Tariff Revision Proposal for FY-22.
 - g. Proposed Electricity Tariff Schedule for FY-22.
 - h. Additional surcharge and cross subsidy charge
 - i. Prayer.
- The Hon'ble Commission is requested to consider the proposal of Annual Performance Review for FY-20, Proposed Annual Revenue Requirement for the Financial year FY-22 and Tariff petition for FY-22. GESCOM submits that it has made sincere efforts to comply with the requirements of KERC (Tariff) Regulations and KERC (Terms and Conditions for Determination of Tariff for Distribution and Retail Sale of Electricity) Regulation, 2006.




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CHAPTER-1 : About GESCOM

1.1: Profile of GESCOM

Gulbarga Electricity Supply Company Ltd., (GESCOM) is a Distribution Licensee under Section 14 of the Electricity Act 2003 (hereinafter referred to as Act). GESCOM is responsible for purchase of power, distribution and retail supply of electricity to its consumer and also providing infrastructure for open access, Wheeling and Banking in its area of operation which includes Six Districts Viz., Bidar, Kalaburagi, Yadgir, Raichur, Koppal and Ballari of the state as indicated below.

Gulbarga Electricity Supply Company Limited (GESCOM) is a registered company under the Companies Act, 1956, incorporated on 30th April 2002 and commenced its operation on 1st June 2002. The registered office of the Company is located at Station Main Road, Kalaburagi -585 102.

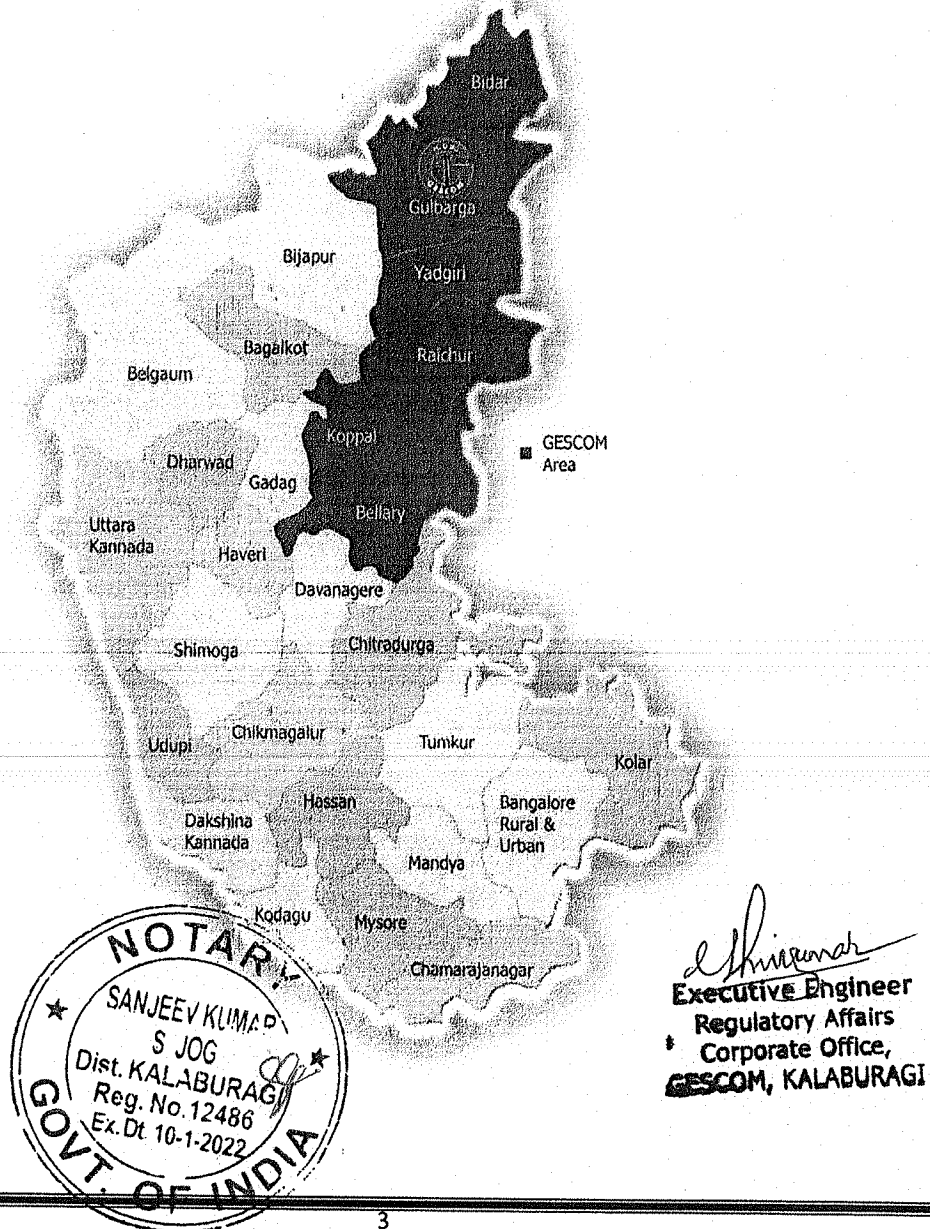


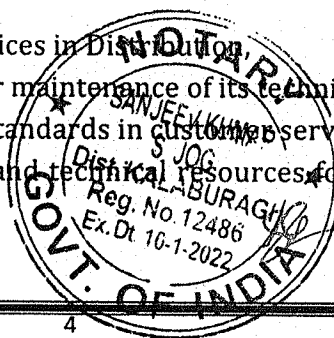
Table-1 : GESCOM Profile

| GESCOM (CIN : U04010KA2002SGC030436) Registered on 01.06.2002 | | | |
|---|--|---------------|------------|
| Sl. No | Particulars (As on 30.09.2020) | | Statistics |
| 1. | Area | Sq.km. | 43861 |
| 2. | Districts | Nos. | 6 |
| 3. | Taluka's | Nos. | 49 |
| 4. | Population (as per 2011 census) | Crores | 1.12 |
| 5. | Consumers as on Sept-2020 | In Lakhs | 3304591 |
| 6. | O & M Distribution Zone | Nos. | 2 |
| 7. | No. of O&M Circles | Nos. | 5 |
| 8. | No. of O&M Divisions | Nos. | 16 |
| 9. | No. of O&M Sub-Divisions | Nos. | 54 |
| 10. | Energy Consumption (FY-21 up to Sept-20) | MU | 3463.74 |
| 11. | Demand (FY-21 up to Sept-20) | Rs. in Crores | 2422.95 |
| 12. | Collection (FY-21 up to Sept-20) | Rs. in Crores | 2154.23 |
| 13. | Assets (FY-21) (Up to Sept-20) | Rs. in Crores | 4092.40 |
| 14. | 33KV HT line | R. Kms | 2806.53 |
| 15. | 11 kV HT lines | R. kms. | 68157.71 |
| 16. | Stations | | |
| | a) 220 kV | Nos. | 17 |
| | b) 110 kV | Nos. | 122 |
| | c) 66 KV | Nos. | 24 |
| | d) 33 kV | Nos. | 150 |
| | DTCs | Nos. | 110114 |
| | LT lines | R. Kms | 90426.90 |
| 17. | Total employees strength: | | |
| | a) Sanctioned | Nos. | 10112 |
| | b) Working | Nos. | 7129 |

1.2 Mission Statement of GESCOM

The mission of the GESCOM is to ensure reliable quality power to its customers at competitive prices. The GESCOM is committed to achieve this mission through:

- Encouraging best practices in Distribution.
- Encouraging high order maintenance of its technical facility.
- Emphasizing the best standards in customer service and
- Optimizing its human and technical resources for the benefit of all its customers".



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Table-2
GESCOM's area of operation is structured as below.

| Name of the | | | |
|---------------|----------------|------------------------|-----------------------|
| O&M Zone | O&M Circle | O&M Division | O&M Sub-division |
| Kalaburagi | Kalaburagi | Kalaburagi Urban | 1 City Sub-Division-1 |
| | | | 2 City Sub-Division-2 |
| | | | 3 City Sub-Division-3 |
| | | | 4 City Sub-Division-4 |
| | | Kalaburagi Rural-1 | 5 Gulbarga Rural |
| | | | 6 Aland |
| | | | 7 Kadaganchi |
| | | | 8 Afzalpur |
| | | | 9 Chowdapur |
| | | Kalaburagi Rural-2 | 10 Jewargi |
| | | | 11 Yedrami |
| | | | 12 Shahabad |
| | | | 13 Chittapura |
| | | | 14 Kalagi |
| | Sedam | 15 Sedam | |
| | | 16 Chincholi | |
| | Yadgir | 17 Yadgir | |
| | | 18 Gurmitkal | |
| | | 19 Surapura | |
| | | 20 Hunasagi | |
| | | 21 Shahapura | |
| Bidar | Bidar | 22 Bidar | |
| | | 23 Bhalki | |
| | | 24 Kamathana | |
| | | 25 Aurad | |
| | Humanabad | 26 Humanabad | |
| | | 27 Basavakalyana | |
| | | 28 Mann-E-Khalli | |
| | | 29 City Sub-Division-1 | |
| Ballari | Ballari Urban | 30 City Sub-Division-2 | |
| | | Ballari Rural | 31 Ballari Rural |
| | | | 32 Sanduru |
| | Hosapet Urban | 33 Siraguppa | |
| | | 34 City Sub-Division-1 | |
| | Hosapete Rural | 35 City Sub-Division-2 | |
| | | 36 Hosapete Rural | |
| | | 37 Kudligi | |
| | | 38 Hagari Bommanahalli | |
| | | 39 Hadagali | |
| Raichur | Raichur Urban | 40 City Sub-Division-1 | |
| | | 41 City Sub-Division-2 | |
| | Raichur Rural | 42 Raichur Rural | |
| | | 43 Manvi | |
| | Sindhanoor | 44 Sirawar | |
| 45 Devadurga | | | |
| 46 Sindhanoor | | | |
| 47 Maski | | | |
| 48 Gasugur | | | |

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| | | | | |
|--|---------|-----------|----|-----------|
| | Koppala | Koppala | 49 | Koppala |
| | | | 50 | Munirabad |
| | | | 51 | Yelaburga |
| | | Gangavati | 52 | Gangavati |
| | | | 53 | Karatagi |
| | | | 54 | Kustagi |

Each sub-division is having four to nine O&M Section offices.

The section offices are the base level offices looking into operation and maintenance of the distribution system in order to provide reliable and quality power supply to GESCOM consumers.

The region is developed in education field and have three no of universities in Gulbarga itself. Also there is university for agricultural sciences in Raichur. The three rivers (Tungabhadra, Bheema, and Krishna) flowing through this region, provide little respite to the farmer's dependence on rain. Dams constructed across Tungabhadra River in Ballari District and Krishna River in Kalaburagi District have obviated this dependence to certain extent. Bore wells and open wells run dry during summer. The primary crops cultivated in this area are Paddy, Sugarcane, Pulses, Jawar, Cotton etc.

1.3 Industries and Power Generation

The prestigious Raichur Thermal Power Station (RTPS), Bellary Thermal Power Station (BTPS), Yaramarus Thermal Power Station (YTPS) and the Hydrel Power Generation unit at Munirabad which are owned by KPCL and also number of Independent Power Producing units are located in the GESCOM area. The industrial scenario is dotted by small and big Steel & Cement, Dal, Sugar and Edible Oil Industries.

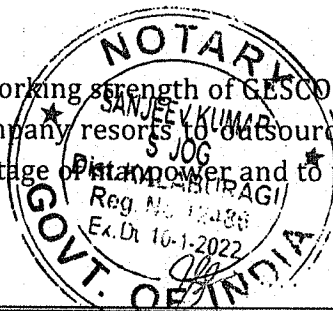
1.4 Distribution Network

The following statistics provide a brief overview on some of GESCOM's distribution network.

As on 30.09.2020, the distribution network of the Company comprises of 17 Nos., of 220 kV, 122 Nos., of 110 kV, 24 Nos., of 66kV and 150 Nos., of 33 kV stations, 2806.53 kms of 33 KV line, 68157.71 R.kms of 11 kV line, 90426.90 R.kms of LT line and 110114 Nos., of Distribution Transformer Centres.

1.5 Human Resource

As on 30.09.2020, the total working strength of GESCOM is 7129 against the sanctioned posts of 10112. The Company resorts to outsourcing the very needy & critical services, to tide over the shortage of power and to provide better service to the consumers.



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The study of the man power requirement based on the existing job analysis is under way. Emphasis is given on training of the employees on various subjects and fields in order to meet the challenges before it effectively.

1.6 Customer Service

Customer service has been improved in the area of billing significantly after the computerization of the billing system in all the sub-divisions.

1.7 Centralized Customer Care Centre at Kalaburagi

GESCOM has established Centralized Customer Care Centre at Kalaburagi. Customers can dial the Short Code Toll Free Number 1912 to register their all types of complaints viz.

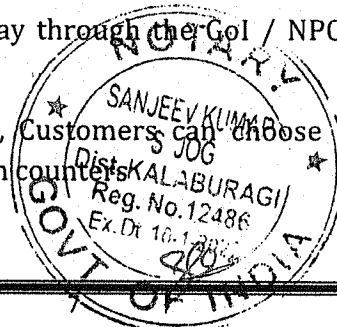
1) No power supply complaint 2) Line breakdowns 3) Transformer failures 4) Hazardous locations 5) Billing related issues 6) Re-connection after payment of dues etc.

In customer care centre 51 nos of operators and 15 desk is working around the clock in three shifts, this has improved in decrease of call drops and has improved consumer satisfaction.

56 nos of 24X7 vehicles are given to subdivision to address operational constraints and outages. Apart from 1912 for attending fuse off call, internet can be used for lodging complaints regarding interruption of power supply through Facebook, Whatsapp and Gmail, Twitter.

1.8 Electricity Bill payment facility to Consumers:

1. Customers can select the links of the respective GESCOM consumer Web portals for payment of their electricity Bills on <https://gescom.karnataka.gov.in/>. Further the charges in case of Net-Banking mode are fully borne by GESCOM.
2. Consequent to Onboarding onto BBPS Platform, our customers can now opt to pay their Bills through the Bill-Pay option available through all major banks (around 40 banks/financial Cos) availing the facility provided under BBPS. On an average around 1.5 to 1.6 Lakhs transaction are recorded every month.
3. Customers can also avail the payment facility through the mobile Apps such as PayTm, Amazon Pay, Google Pay, Airtel Wallet, Mobikwik etc.
4. Customers can also directly pay through the Gov / NPCI developed payment interface BHIM.
5. Effective from 1st of Feb-2019, Customers can choose to pay through Debit Cards in all the urban area cash counters.



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6. Besides the above, customers can pay the bills through GESCOM cash counters, Karnataka One (Gulbargaone, Bidar One, Bellary One, Raichur One etc) counters and also all our Gram VidyutPrathinidi / Micro Feeder franchisee collect the payments of Electricity bills.

1.9 New 33/11kV Sub-Stations Commissioned:

In the FY 2019-20, 11Nos of new and 2 Nos., of Augmentation 33/11 kV sub-stations were commissioned, out of which 09 were conventional air-insulated outdoor sub-stations and 02 were new Gas Insulated Substations (GIS).

Conventional Namely:

- 1) Baddepalli in Yadgir (Tq. & Dist.)
- 2) Rupangudi in Ballari (Tq. & Dist.)
- 3) Sugur in Shorapur (Tq.), Yadgir Dist.
- 4) Gunda in Sindhanoor (Tq.) Raichur Dist.
- 5) Kamalapur in Kamalapur (Tq.) Kalaburagi Dist.,
- 6) Kadachur in Yadgir (Tq. & Dist.)
- 7) Lingadalli in Gangavathi (Tq.) Koppal Dist.,
- 8) Hiremyageri in Yelburga (Tq.) Koppal Dist.
- 9) Kudidarga in Jewargi (Tq.), Kalaburagi Dist.

GIS Namely: 1) Shantinagar & 2) KCT Gate in Kalaburagi City.

Augmentation of S/S: 02Nos. (i.e. Providing of additional 5MVA).

- 1) Jambaga in Kalaburagi (Tq. & Dist.)
- 2) Sagar in Shahapur (Tq.), Yadgir Dist.

1.10 In the FY 2020-21: The following new 33/11 kV Sub-Stations & Augmentation works were completed & commissioned.

- 1) Mamadadoddi in Raichur (Tq. & Dist.)

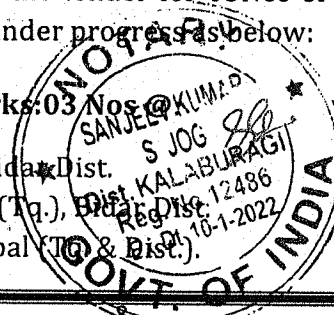
Augmentation of S/S: 03Nos. (i.e. Providing of additional 5MVA).

- 1) Malli in Yedrami (Tq.) Kalaburagi Dist.
- 2) Ratkal in Chincholi (Tq.), Kalaburagi Dist.
- 3) Rodalbanda in Lingasugur (Tq.) Raichur Dist.

Further, GESCOM had called the tender for 03Nos of new Sub-Station & which were awarded & works are under progress as below:

1.11 Ongoing Sub-Stations' Works: 03 Nos.

- 1) Nelgi in Bhalki (Tq.), Bidar Dist.
- 2) Khashempur in Aurad (Tq.), Bidar Dist.
- 3) Hirebommanal in Koppal (Tq.) & Dist.



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It has enabled the Company to provide quality and reliable power supply to the customers with minimal interruptions.

GESCOM is thriving to give quality power supply continuously for 7 hours to IP Sets in the morning hours.

2000 nos of. junior line men are recruited to improve service efficiency and they are attending line faults efficiently.

- IT cell is created in corporate office to address IT related issue in RAPDRP town and cities.
- Energy audit cell is created for monitoring energy audit.
- IP set feeder are bifurcated to improve quality power supply.
- Feeder Reliability Index is prepared monthly and submitted to Hon'ble KERC and also hoisted in GESCOM website which is useful in analyzing interruption and outages and hours of quality power supply.
- Due to IPDS and RAPDRP works system improvement has done considerably by improving HT:LT ratio to 1:1.33 (68157.71 KM : 90426.90 KM)

1.12 LT & HT Category Sales comparison :

Table-3 : Improved metered category billing

| Category | FY-20 Sales in MU | FY-19 Sales in MU | Increase/ Decrease | % age increase / decrease. |
|----------|-------------------|-------------------|--------------------|----------------------------|
| HT | 1445.72 | 1494.50 | -48.78 | -3.26% |
| LT | 5738.45 | 6033.80 | -295.35 | -4.89% |
| Total | 7184.17 | 7528.30 | -344.13 | -4.57% |

The sales under LT category has decreased to -4.89% during FY-20 against in FY19. The reduction HT sales during FY-20 is due to consumer opting for open access and slowdown in overall economical activities in commerce and Industries segment in FY-20 over FY-19. The industrial consumption is lesser by 55 MU compared to previous year consumption in HT-2(a) category.

Reduction in IP Set Sales :

In LT-4(a) category IP Sets consumption is reduced by 460.97 MU compared to previous year consumption i.e., in FY-19. This could be seen because of abnormal rainfall in the region effecting the agriculture activity.

Number of Consumers, Sales in MU and Revenue details of GESCOM in FY-20 (up to Sept-20) is as follows.

| CATEGORY | GESCOM | | Revenue In Crs. |
|------------|----------------------|-------------|-----------------|
| | No. of Installations | Sales in MU | |
| Domestic | 2460671 | 886.11 | 551.91 |
| Commercial | 291969 | 198.18 | 198.43 |

| | | | |
|-------------|---------|---------|---------|
| Industrial | 69655 | 483.56 | 461.64 |
| Agriculture | 407054 | 1513.12 | 897.65 |
| Others | 75242 | 382.77 | 313.31 |
| Total | 3304591 | 3463.74 | 2422.94 |

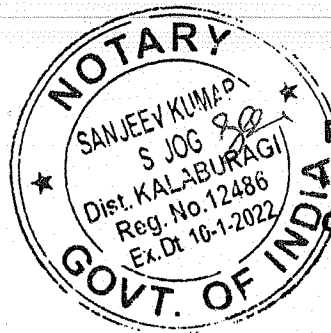
As of now 3304591 number of consumers are availing power supply from GESCOM in various categories.

• **Vigilance Activities.**

GESCOM has taken vigilance activities to curb theft of Electricity. This has aimed at improving the revenue by decreasing theft of energy. Through Vigilance activities, Unauthorised IP Set on Nirantara Jyoti Feeders have been disconnected leading to reduction in Distribution losses. Also, vigilance activities were focused on maximizing the booking of theft cases & recovery of penalties. The progress of Vigilance Activities during the financial year (Up to Sept-2020) the Company has booked 4101 cases and penalties to an extent of Rs 13.24 Crores has been levied. Other initiatives like, conducting of Mass raids by vigilance wings are carried out also replacing of MNR meters, regularization of unauthorized connections, mass disconnection drive etc., are also underway.

Table :- 5
Vigilance Activities

| Sl. No | Particulars | Level-1 | Level-2 | Level-3 | Level-4 | Total |
|--------|---|---------|---------|---------|---------|---------|
| 1 | Total number of installations inspected | 10 | 157 | 58810 | 31833 | 90810 |
| 2 | Total number of cases booked | 6 | 44 | 2543 | 1508 | 4101 |
| 3 | Cognizable cases | 4 | 7 | 141 | 600 | 752 |
| 4 | Back Billed amount in Lakhs | 0.56 | 1.10 | 8.20 | 41.34 | 45.40 |
| 5 | Compounding charges (Rs. In Lakhs) | 0.00 | 1.00 | 2.40 | 11.18 | 20.38 |
| 6 | Non cognizable cases | 2 | 37 | 2402 | 908 | 3349 |
| 7 | Back Billed amount in Lakhs | 0.00 | 2.10 | 596.20 | 659.99 | 1258.29 |
| 8 | Total penalty levied CC & NC cases (Rs. In lakhs) | 0.56 | 4.20 | 606.80 | 712.51 | 1324.07 |



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