

GULBARGA ELECTRICITY SUPPLY COMPANY LIMITED



ANNUAL PERFORMANCE REPORT FOR FY 2013-14

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1.0 Introduction:

1.01 GESCOM was formed on 01-06-02 comprising of 6 Districts namely, Bidar, Gulbarga, Raichur, Bellary and Koppal. & Yadgir Since then, the Company has successfully entered into 12th year of operation.

1.02 The Transmission and Distribution Network through which power is supplied to the Company, as on 31-03-2014, consist of 125 Nos. of 33KV Substations, 20 Nos. of 66 KV Sub Stations, 97 Nos. of 110 KV Sub - Stations and 14 Nos. of 220 KV Sub - Stations.

1.03 The Company has following Distribution infrastructure, as on 31.03.14

a.	HT Lines (11 KV Lines)	:	45131.79	kms
b.	LT Lines (433/220 V Lines)	:	78855.66	kms
c.	11KV/433 V Distribution Transformers	:	68135	Nos

The Company has been able to achieve a ratio of **1:1.747** between HT and LT Lines.

2.0 Operation:

2.01 The Company has a Consumer base of 24,97,645 installations as on 31-3-2014 is as follows:

01	BJ/KJ	567613	09	Water Works (HT)	97
02	Domestic	1337785	10	Industrial (HT)	1050
03	Commercial (LT)	202583	11	Commercial (HT)	268
04	IP Sets	295216	12	Lift Irrigation (HT)	202
05	Industrial (LT)	50847	13	Colonies (HT-4)	33
06	Water Supply (LT)	15672	14	KPCL	20
07	Street Light Circuits	10474			
08	Temporary	15685			

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Total (LT)	2495875	Total (HT)	1770
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Total Consumers : **2497645**

3.0 Purchase and Sale of Power:-

Power Purchase cost for FY 13-14 is Rs. 2058.53 Crores (Provisional)

Particulars	In MU
Power Purchase (at IF Point)	7318.79
Sales (Metered+ Un-metered)	5854.67
T&D Losses	1464.12
% Loss	20.00%

4.0 Revenue Demand and Collection:

The Consumer category wise Demand raised and Collection made during 13-14 is as follows:

(Rs in crores .)

Sl. No.	Category	Demand	Collection
1	LT-1 (BJ/KJ)	75.11	58.31
2	LT-2 (AEH)	329.64	327.64
3	LT-3 (Commercial)	170.00	176.89
4	LT-4 (IP)	1151.09	1086.86
5	LT-5 (Industrial)	94.32	95.23
6	LT-6 (Water Supply & Street Lights)	190.43	81.04
7	LT-7 (Temporary)	16.83	16.98
8	HT-1 (Water Supply)	39.70	26.57
9	HT-2a (Industrial)	657.7	645.67
10	HT-2b (Commercial)	47.58	48.45
11	HT-3a (LI)	19.81	17.15
12	HT-4 (Colonies)	8.12	8.08
13	HT -5	9.85	9.71
	Total	2810.18	2598.58

5.0 Capital Expenditure:

5.01 Capital Expenditure proposed to be incurred during the FY-13-14 on various works is to the tune of Rs. **607.00 Crores**. The category wise break up is as follows:

Work Wise Capital Budget for the FY 2013-14

Sl No.	Particulars	Total Budget FY 13-14 Rs In Lakhs
I	Mandatory works, Social obligations and other works	
a	GKS-SC (SCP)	1200
b	GKS-ST (TSP)	700
c	GKS-BC	300
d	GKS-Min	300
	GKS Tot	2500
i	RGGVY	800
j	Rehabilitation of Flood affected villages (Special Programme)	200
k	Water Works	500
	Sub-Total	4000
II	Expansion of Distribution Network and System Improvement works.	
a	E&I works	
	Additional DTCs	
i	25 kVA	1200
	63 kVA	1200
	100 kVA	600
	Sub-Total	3000
	Enhancement of DTCs	
ii	25kVA to 63kVA	300
	63kVA to 100kVA	200
	Sub-Total	500
iii	Shifting of existing transformers to load center	200
iv	LT Line Conversion of 1 Ph 2 wire or 1 Ph 3 wire to 3Ph 5 Wire.	200
v	Providing SMC Box to DTCs.	200

vi	Replacement of Broken poles	300
b	Energisation of IP Sets under General category	300
c	Service Connection works other than IP/BJ/KJ/Water works.	400
d	Construction of new 33kV Stations.	1400
e	Augmentation of 33kV Stations	600
f	Construction of new 33kV Lines/Link Lines	100
g	Construction of new 11kV Lines for 33kV / 110kV Sub-Stations (Including SDP)	5000
h	Nirantara Jyoti Yojana	10000
i	RAPDRP Part-A	2500
j	RAPDRP Part-B	8000
k	Creating Infrastructure to UAIP Sets Regularized during 2010-12.	3000
Sub-Total		35700
III	Reduction of T&D and AT&C Losses.	
a	Providing meters to IP Sets above 10 HP	100
b	Providing meters to BJ/KJ .	800
c	Providing meters to Street Lights.	100
d	Providing Timer Switches to Street Lights.	600
e	Replacement of Faulty / MNR energy meters by static meters.	500
f	Shifting of meters to outside premises	100
g	DTC Metering of RAPDRP	200
h	DTC Metering of non RAPDRP	4500
i	Replacement of 33kV Line Rabbit Conductor by Coyote Conductor	300
j	11kV Re-Conductoring	500

k	LT Re-Conductoring	300
l	HVDS	2000
m	Taluka wise segregation of 11kV feeders	400
Sub-Total		10400
IV	New Initiative Works	
a	IT Initiatives, Automation and Call Centers	300
b	Establishing ALDC & SCADA	100
c	R&M to SCADA	100
Sub-Total		500
V	Replacement and other miscellaneous works	
a	Replacement of failed Distribution Transformers	5000
b	Replacement of Power Transformers	700
c	Replacement of Old and failed equipments and other works of existing 33kV Stations & Lines.	1000
d	R&M to 33kV Stations	500
e	R&M to 33kV Lines	100
f	R&M to DTCs	500
g	R&M to Lines	300
h	Preventive measures to reduce the accidents (Providing intermediate poles, Re-stringing of sagging lines, providing guy and stud, guarding, shifting of lines, fencing of DTCs)	500
i	T&P Materials	
	i) Furniture	100
	ii) Saftey Materials	400
j	Civil Engineering works	1000
Sub-Total		10100
Grand Total (I+II+III+IV+V)		60700

6.0 Electrification Works:

- 6.01 Zero locations of Ashraya colony, Harijan Basthis, Thandas in GESCOM jurisdiction have been electrified.
- 6.02 1253 drinking water supply schemes were energized during 13-14.
- 6.03 **Rajiv Gandhi Grameen Vidyuthikaran Yojana:** The Company has taken up the work of creation of necessary infrastructure for electrification of Rural House holds and BPL installations and electrification of Habitations under the aegis of M/S. Rajiv Gandhi Grameena Vidyuthikaran Yojana at a cost of 122.96 Crores covering 2588 villages. RGGVY schemes sanctioned under Xth plan were completed during 2013-14
RGGVY scheme for Gulbarga district was sanctioned (which included newly formed Yadgir district) during 2008 at a revised cost of Rs.61.89 crores. The progress during the year 2012-13 is as follows:
1.Intensive electrification of villages : 0 Nos.
2.Electrification of BPL houses : 14514 Nos
3.Financial progress : 5470.40 lakhs
Cumulative progress as at the end of March 2014 is as follows:
1.Intensive electrification of villages
Target : 1344 Nos
Achievement : 1070 Nos
2.Electrification of BPL Houses
Target : 58973 Nos
Achievement : 57252 nos
- 6.04 Progress achieved up to March-14 in respect of works under Special Government Schemes is as follows:

Sl. No	Scheme/Category	Installations serviced during 2013-14
1	IP Set (Under SCP & TSP)	36
2	BJ/KJ-BPL	-
3	Ganga Kalyan	5912
4	Electrification of Harijan Basthis/Janata Colonies etc.	0 (under RGGVY)

- 6.05 There were 295216 IP sets as on 31.03.2014.
- 6.06 The Company has identified 27282 un-authorized IP sets out of which 9227 are regularized and for balance work is under progress for regularization.

7.0 Metering:

7.01 Metering of all the installations is imperative to the Company, as it will result in accurate determination of technical and commercial losses. This is also, a statutory requirement under the Electricity Act, 2003 & mandatory as per directives of KERC. The progress of metering during the year is as under:

- a) Metering of BJ/KJ installations has been taken up on priority and 16440 installations have been metered during the year.
- b) 6,326 Nos of non-recording meters were replaced and 4,113 Nos direct connection installations were provided with meters during the year.
- c) The Company has giving fund to each O&M Divisions for procuring Energy Meters for:
 - 1.Replacing all MNR Meters
 - 2.Providing Meters to all DC installations
 3. Providing 100 % Metering to BJ/KJ Installations

8.0 Energy Audit:

8.01 The Company has taken up Energy Audit of urban DTCs 7809 DTCs in Towns and Cities) and 25% of rural DTCs (i.e 40036 DTCs in Rural Parts). Turnkey contracts have been awarded for metering of balance 2820 DTCs in urban area and 17,470 Nos of DTCs in rural areas.

8.02 The Company has taken up periodic rating of installations as per KERC directives:

HT Installations	Once in	6	months
LT Installations above 40 HP	Once in	12	months
LT Installations below 40 HP	Once in	2	years
LT-1+LT-2+LT-3	Once in	5	years

For this the Company has created additional rating batches in MRT wing.

9.0 System Improvement Works:

9.01 **R-APDRP:** This scheme was sanctioned for 21 towns in GESCOM. Part A for Rs.37.37 Crore and Part B for Rs. 200.79 Crore. Amount released under part A is 16.21 Crore and part B is Rs. 36.58 crore part 'A' is under implementation and also part 'B' work under progress.

9.02 **New Sub Stations:** The Company has commissioned 2 Nos. of new 33/11KV Sub Stations out of 10 proposals. The balance works are expected to be completed during 2013-14

9.03 **New DTCs: 11205** Nos. of Distribution Transformers of different capacities were added to the distribution system during 13-14 to bifurcate the Load, improve tailend voltage and to bring down the losses & also the failure rate. The total nos. of distribution transformer at the end of FY-14 are 68135 Nos. Transformer failure rate during the year was 21.22%.

9.04 **New Lines:** During the year 4707.857 kms of HT Lines was added and 1869.9 km of LT lines were added to the system. Total length of 11 kV line and LT line at the end of year is 45135.79 kms and 78855.66 kms, respectively.

9.05 **HT to LT Ratio:** HT to LT ratio in GESCOM stands at **1:1.747**

9.06 **Re-conductoring 33 KV Lines:** Nil for the year 2013-14

9.07 **Re- conductoring 11 KV Lines:** Nil for the year 2013-14

10.0 Activities of Vigilance Wing:

10.01 In order to curtail the theft of energy, the Vigilance Wing has inspected 23422 installations during the year. Out of this, 7432 cognizable cases and 10735 non-cognizable cases were booked. The demand for back billing charges raised was to the tune of Rs.2556.22 lakhs out of which Rs. 1353.17 lakhs was recovered. A compounding fee Demand of Rs. 239.92 Lakhs has been raised, of which Rs. 157.45 lakhs has been collected.

11.0 Improvement Initiatives:

11.01 Out of 999 GVPs 927 Nos of GVPs are working in GESCOM were converted in to Micro Feeder Franchisees as per the guidelines provided under RGGVY scheme .

11.02 **Web based Total Revenue Management (TRM):** Web based total revenue management has been implemented in all the 43 Sub- divisions of GESCOM by N- Soft, Indian services Bangalore and M/s Infosys at CSD-II Gulbarga.

11.03 **Training Center at Corporate office:** A centralized in-house Training Center has been established at the Corporate Office GESCOM, Gulbarga and as on date 788 employees have been trained in different related aspects to handle the activities quite efficiently.

11.04 **Hosting of Website:** GESCOM is having own website i.e www.gescom.in and links are provided to KPTCL and other ESCOMs and it is updated from time to time.

11.05 **Communication:** For the Corporate office and Gulbarga Division-I, Gulbarga Division-II, Raichur, and Bellary Divisional offices, broadband connectivity has been established and for all other Sub Divisional offices and Divisional, Circle and Zonal offices, 'dial up' connectivity has been established for communication and accessibility.

11.06 **ABT:** The IP link has been established between SLDC and GESCOM for real time display of Intra-State-UI flows.

- 11.07 **Customer Care Center:** A 24x7 Customer Care Center is established in corporate office , GESCOM, Gulbarga to provide services to the consumers for attending billing issues, Power supply issues, water supply new connections issues etc. The issues are referred to concerned official/Officers, Receive the feedback on the complaint and complainant is given feedback. The history of record is maintained.
- 11.08 **SCADA & DCC:** The SCADA project amounting to Rs. 15.09 Crores and covering 86 Nos. of 33/11 KV Sub- Stations is taken up in phase-1 in GESCOM. The RTUs & Interface panels are erected at 84 sub-stations and work at Balance 02 sub-station is under progress. In phase -2 the SCADA project amounting to Rs 2.83Crores and covering 21 Nos. of 33/11 KV Sub- Stations in GESCOM. The RTUs, UPS & Interface panels are received at all the 21 sub-stations. The Distribution Control Center (DCC) at corporate office is functioning.
- 11.09 **E-Tendering:** The concept of e-procurement has been successfully implemented in GESCOM. All the tenders of GESCOM are being carried out through e- procurement portal.
- 11.10 **Use of Hand held machines for Bill generation:** GVP's and meter readers are using the Hand held machines for billing.
- 11.11 **Centralized HT Billing:** Centralized HT Billing system or High Value Consumer Management System (HVCM) is the means through which the information about HT consumers is gathered and analyzed. MRIs have been given to all O&M Sub Divisions for this purpose. The Billing information of HT Consumers from different Divisional offices can be sent through E- Mail into the system. The System will generate the bills and sent to Consumers. The System will generate various types of report based on the data fed, to ensure accurate and reliable output.
- 11.12 **Any Time Payment (ATP):** Any Time Payment (ATP) kiosks have been successfully installed at 6 locations i.e 2 in Gulbarga City, 1 each in Bidar, Bellary, Raichur and Hospet for the benefit of Consumers.
- 11.13 **Video Conferencing facility:** Video Conferencing facility has been installed at Corporate Office, GESCOM, O&M Zone-Bellary and under V-Con Network of KPTCL. The Company has plans to extend this facility to O&M Divisions also.
- 11.14 **PC Penetration:** Computer System and Internet connectivity has been provided to all Sub divisional, Divisional, Circle, Zonal and Corporate Office of the GESCOM.

- 11.15 **Consumer Grievance Redressal Forum:** The Company has Constituted Consumer Grievance Redressal Forum, as mandated by the regulations issued by the Karnataka Electricity Regulatory Commission to address Consumer Grievances. There are 6 Nos of CGRF in all the 6 Nos of revenue districts of GESCOM area. They are constituted at district head quaters like Gulbarga, Bidar, Yadgir, Bellary, Raichur & Koppal. The complaints received & redressed at CGRF after formation in revenue districts are as follows. Out of 17 cases before CGRF & 8 cases have been disposed and 9 cases are pending as on 31.03.2014. The field officers have been asked to make all out efforts to comply with the Standards of Performance set by the KERC.
- 11.16 **Information under Right to Information Act:** The detailed information about the GESCOM has been available in GESCOM website has per at RTI Act, 2005.
- 11.17 **Local Area Network :** LAN has established at Corporate office and also extended to O&M Zonal Office Gulbarga using UTP -5 cable. 256 kbps leased line from BSNL is used internet access from all the PCs of Corporate office through a gateway (x-series 225 IBM server 2 Nos).
- 11.18 **Remote Automatic Meter Reading:** Remote automatic meter reading of DTCs is taken up in GESCOM. in order to achieve accurate energy audit at cutting edge level with minimum human intervention. The RAMR will be transferred to central locations in corporate office and also for respective Divisional headquarters. Necessary components such as modems sim cards base computer software etc., are included in the turnkey awards. Total turnkey awards for DTC metering including RAMR (Remote automatic meter reading) are placed under ten LoTs. LOT-1:1921 Nos of DTC metering of Bidar division amounting to Rs. 1183.57 Lakhs. LOT -2: 1735 Nos of DTC metering in Humnabad division amounting to Rs. 1107.41 lakhs. LOT-3: 3096 Nos of DTC metering in Gulbarga-1 division amounting to Rs. 1999.05 lakhs. LOT-4:1788 Nos of DTC metering of Gulbarga-2/Sedam division amounting to Rs. 1113.79 Lakhs. LOT -5: 3329 Nos of DTC metering in Yadgir division amounting to Rs. 2074.05 lakhs. LOT-6: 2233 Nos of DTC metering in Bellary division amounting to Rs. 1424.21 lakhs LOT-7:4552 Nos of DTC metering of Hospet division amounting to Rs. 2887.5 Lakhs. LOT -8: 4742 Nos of DTC metering in Koppal/Gangavathi division amounting to Rs. 3048.99 lakhs. LOT-9: 4514 Nos of DTC metering in Raichur/Sindhanur division amounting to Rs. 2835.53 lakhs. LOT-10: 2386 Nos of DTC metering in R.APDRP towns amounting to Rs. 1325.37 lakhs. Out of 30,296 Nos of DTCs, 29,787 Nos of DTC have been metered and balance of 509 Nos DTC are yet to be metered by M/S OMNE Agate System Pvt Ltd.

12.0 Future 'IT' Initiatives:

- Establishing Centralized Data Warehouse Server
- Establishing LAN and WAN Connectivity
- Geographical Information System (GIS)
- Extension of ATP Kiosks to other Towns
- Establishing Intranet server
- Document Management System
- Web based HRM System
- Financial Accounting Package
- Computerization of Accounting
- Online Cash Management System

13.0 Personnel Position:

The details of manpower in various cadres as on 31.03.2014 are as under:

Group	Sanctioned Strength	Working strength	No. of Vacant Posts	Remarks
A	310	271	39	
B	359	123	236	
C	3373	2071	1302	
D	3781	2489	1292	
Deputation Staff	77	63	14	Vigilance
TOTAL	7900	5017	2883	

14.0 Challenges/Problems faced by the Company:

- 14.01 Metering of all installation is essential for the Company to properly Record the consumption and claim the subsidy receivable from the Government. However, there has been stiff resistance from the farmers and consumers of BJ/KJ Installations for metering of these category installations. On many occasions, the consumers have released the meters and Metering of installations being a statutory requirement, the Company is taking support from the Government for the initiatives in this regard.
- 14.02 A large portion of the Company's consumers are from rural areas. The collection efficiency in respect of IP set consumers is very low. The Company has taken up massive disconnection drive in a bid to recover its dues. There has been some opposition to the disconnection drive from consumers and other quarters. The Company is seeking support of the Government and people's representatives.

14.03 The subsidy payable by the Government and dues in respect of local bodies need to be released regularly. The Company is financing its capital expenditure projects by resorting to borrowings.

15.0 Company's Plan for 2013-14

15.01 The Company endeavors to bring down the energy losses and provide better quality of supply to the consumers.

15.02 The Company plans to establish 10 numbers of 33/11 KV sub stations in its jurisdiction. For this, purpose the Company has tied up funds with M/s Rural Electrification Corporation Ltd., & M/s. Power Finance Corporation Ltd.

15.03 The company has already electrified all habitating with population of 300 and above. Under Rajiv Gandhi Grameen Vidyuti karana Yojana. During 13-14, 15177 houses have been provided with electricity.

15.04 The Company would like to install more ATP Kiosks to help consumers.

15.05 For accurate measurement of energy consumed and to facilitate energy audit, it is proposed to meter balance 25% of DTCs in rural are LOT-1:481 Nos of DTC metering of Bidar division amounting to Rs. 296.44 Lakhs. LOT -2: 127 Nos of DTC metering in Humnabad division amounting to Rs. 82.07 lakhs. LOT-3: 775 Nos of DTC metering in Gulbarga-1 division amounting to Rs. 500.33 lakhs. LOT-4:447 Nos of DTC metering of Gulbarga-2/Sedam division amounting to Rs. 278.39 Lakhs. LOT -5: 832 Nos of DTC metering in Yadgir division amounting to Rs. 518.46 lakhs. LOT-6: 554 Nos of DTC metering in Bellary division amounting to Rs. 352.32 lakhs LOT-7:1139 Nos of DTC metering of Hospet division amounting to Rs. 722.51 Lakhs. LOT -8: 1186 Nos of DTC metering in Koppal/Gangavathi division amounting to Rs. 762.51 lakhs. LOT-9: 1129 Nos of DTC metering in Raichur/Sindhnanur division amounting to Rs. 709.25 lakhs tender has been called and award is issued to M/s OMNI AGATE System Private limited Chennai.

15.06 Detailed Projects Reports have been prepared for HVDS projects.

15.07 Detailed Projects Reports have been prepared for creation of infrastructure for unauthorized IP sets which have been regularized. RECL is being approached for financial assistances for the purpose.

15.08 To arrange uninterrupted 24 hours power supply to Non- agricultural loads of villages, new feeders are being drawn under Nirantara Jyothi Yojana, by observing the advantages of Nirantara Jyothi Grama Yojana of Gujarat State. The scheme was taken up in 20 taluks under phase-1 at an estimate cost of Rs.286.89 Crores, where in out of 235feeders, 85feeders are commissioned and 150 feeders works are under progress.Under phase-2 10Taluks works taken up at an estimate cost of 153.8 Crores where in out of 109 feeders 25 feeders are commissioned and balance 84 feeders works are under progress.

under Phase-I on partial turnkey/Total turnkey basis, out of which detailed work awards are issued for 18 talukas, 11 talukas under PTK and 7 talukas under TTK and works were under progress.

1. For balance 2 taluks, tendering is under process. Out of 235 feeders, 85 feeders are commissioned 32 feeders work is completed 118 feeders work is under progress. Approximate cost of the project is Rs.286.89 Crs.
2. Under phase –II tenders are floated for 10 taluks approximate cost of the project RS. 153.80. Out of 109 feeders, 25 feeders are commissioned 9 feeders are completed, 75 feeders works is under progress.

GESCOM Supplies major materials to partial turnkey works & also taken works on TTB..
