

PRESS NOTE

THE BRIHAN MUMBAI
ELECTRIC SUPPLY &
TRANSPORT UNDERTAKING
(Of The Brihan Mumbai Mahanagar Palika)
BEST Bhavan, Post Box No. 192,
Mumbai - 400 001.



प्रसिद्धी
पत्रक

बृहन्मुंबई विद्युत पुरवठा
आणि परिवहन उपक्रम
(बृहन्मुंबई महानगरपालिका अंतर्गत)
बेस्ट भवन, पत्र पेटी क्र. १९२,
मुंबई - ४०० ००१.

For favour of publication, please.

The Editor/News Editor

Hanumant Gophane
8/x/118

(Hanumant Gophane)
Public Relations Officer
BEST Undertaking
Tel.No.22799395

Press Note No.18
Date : 08.10.2018

BEST BUDGET FOR 2019-20 PRESENTED

Mumbai 08 - The General Manager of B.E.S.&T. Undertaking Dr. Surendrakumar Bagde, I.A.S. has presented Budget Estimate for the year 2019-20 to the B.E.S.& T. Committee in the meeting held on 8th October, 2018.

The Budget Estimate presented to the BEST Committee for the year 2019-20 shows an overall estimated deficit of Rs.720.53 crs. for the Undertaking. A total outlay of Rs.452.34 crs. has been provided for Capital Expenditure for 2019-20 (Budget),

The summarised revenue estimates for the Budgetary Year 2019-20 are as shown below :-

(Rs. in Crores.)

	Electric Supply	Transport	Whole Undertaking
Income	3693.36	1661.78	5355.14
Expenditure	3569.19	2506.49	6075.68
+Surplus-Deficit	124.17	-844.71	-720.54

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The highlights of Budget for the year 2019-20 are as under:-

A – Electric Supply

1. 33 kV New RSS:

During year 2018-19, it is proposed to commission 33/11 kv RSSs with 16 MVA Power Transformers each at (i) Pratiksha Nagar (ii) Lodha Crown (2 Nos.) and (iii) Wankhede Stadium. In addition to this, it is also proposed to commission additional 16 MVA Power Transformer at P.M.G.P 501 RSS, 110 kV Dr. Babasaheb Ambedkar RSS (DBA) RSS and 10/12.5 MVA transformer at Naval Dockyard and Sitaladevi RSS which will enhance installed capacity by 116 MVA.

During year 2019-20, it is proposed to commission new 33/11 kv RSS with 16 MVA Power Transformers each at i) SaiSundar Nagar and ii) PimpalWadi RSS (1 No.). In addition to this it is proposed to commission additional power transformer of 16 MVA at Kingsway RSS, Elphinston Mill RSS and Avighna RSS (3.2 MVA) which will enhance installed capacity by about 83 MVA.

2. 33 kV Changeover:

During the year 2018-19, it is proposed to carry out the replacement of total 11 Nos. of 10 MVA, 22/11 kv Power Transformers by 16 MVA, 33/11 kv power transformers, 3 Nos. each at Cumballa Hill, Nestle and 1 no. each at Love Grove, Mazgaon Dock, Mahalaxmi, Naval Dock, Byculla RSS under 33 kv changeover programme. This will enhance the installed capacity by 66 MVA improving system reliability and help in reducing system distribution losses.

During the year 2019-20, it is proposed to carry out the replacement of 11 Nos. of 10 MVA, 22/11 kv Power Transformers by 16 MVA, 33/11 kv power transformers at Prabhadevi (3 Nos.), Love grove (2 Nos.) and 1 No. each at Worli, Kussara, Mahalaxmi, Mazgaon Dock, Worli Dairy and Sewree RSS under 33 kv changeover programme. This will enhance the capacity by 66 MVA improving system reliability and help in reducing system distribution losses.

3. Strengthening of distribution network:

To strengthen the distribution network, it is proposed to lay 21 km. 11 kv HV cable, 84 km. 1.1 kV LV cable (including service cable) and to commission 35 nos. of new Distribution Substations each during the year 2018-19 and 2019-20.

4. Automatic Aerosol based Fire Fighting System:

During F.Y. 2018-19, Automatic Condensed Aerosol Fire Extinguishing System is being procured for 110 kV cable protections at the four existing 110 kV Receiving Substations viz. Backbay, Nariman Point, Khetwadi & Dr. Babasaheb Ambedkar RSS.

5. Digitization System and Improvement of Distribution Network:

During the F.Y. 2018-19, it is proposed to replace outlived hardware and software i.e. existing G/Tech 9.3.2 software by latest version of ESRI software for making it in line with MCGM's similar platform to achieve concept of 'One MCGM GIS'. Upgraded software will make the GIS system scalable to achieve aim of proposed integration with other interrelated systems.

During the F.Y. 2019-20, it is proposed to integrate upgraded GIS system with other interrelated systems like SCADA, Distribution Automation system (DA), Connection Management System (CM), Consumer Relation Management system (CRM) for making the system more efficient and user friendly.

6. ISUS (Implementation of smart Utility system):

It has been decided to procure Advance Distribution Management System (ADMS) in BEST Undertaking. This system consist of modules like SCADA, DMS, OMS. ADMS modules are integrated with GIS, Call Center, Crew Management System to have effective fault localisation, sectionalisation system. It is proposed to procure SCADA system as part of ADMS for all RSS of Undertaking in FY 2019-20, 2020-21. A consultant is proposed to be appointed in FY 2018-19 for implementing ISUS project in Undertaking. ADMS, AMI, Integration with latest billing system software -Call center-GIS, Installation of Communication Infrastructure are the part of ISUS system.

7. Distribution Automation:

During the F.Y. 2018-19, it is proposed to install 3000 Nos. of Earth Fault Passage Indicator (EFPI) at each substation of various zones. Integration of 3000 EFPIs with Automatic Meter Reading (AMR) system will be carried out under Energy Audit programme which will help to sectionalize faults in HV network.

8. Consumer and Energy Audit Automatic Meter Reading (AMR):

During the F.Y. 2019-20, it is proposed to replace all existing consumer meters of 19 & 24 cycle (Quantity-20,000) with GPRS based system to read the same remotely and the consumer meters under Carnac and Backbay RSS (Quantity-3 Lakh) are to be replaced by RF based meters to be read remotely.

During the F.Y. 2019-20, it is also proposed to replace existing AMR system by the system having latest technology available in market. Energy Meters and DCUs will be installed at various voltage levels for accounting the energy. It includes 105 nos. ABT meters at TATA's and BEST's interface point, 874 nos. meters at outgoing feeders in Receiving Substations (RSS) and 3229 nos. meters on LV side of Distribution Transformers (DTs) in Distribution Substations.

9. LEDs for Street Lighting:

During F.Y. 2018-19, it is proposed to supply, install, test and commission (SITC) about 21900 Nos. of LED Integral Lanterns in place of existing HPSV/MH Street Lanterns of various wattages in MCGM wards of city limits.

B – Bus Division

1. Automation of Traffic Operations :

To facilitate the Bus Commuter with ETA (Expected Time of Arrival), we are introducing the Intelligent Transport Management System (ITMS) . In this project the traffic operation of Depot, Bus Stations and Bus Chowkies will be automated and will enable Traffic and Transportation Engineering department to improve the efficiency of bus operation. The live status of buses/ routes will be available for operator as well as bus passenger. The PIS (Passenger Information System) of Bus Location, stop data, Stop announcement in bus will be available to passengers on real time basis. A mobile app will also be developed for the Passengers .The project will enable live monitoring of bus operation at every level of supervision and facilitate immediate decision making.

2. Automatic Fare Collection System:

Government of Maharashtra Plans to introduce a common mobility card for ticketing system covering all modes of public transport operated in Mumbai metropolitan region i.e. Suburban Railway, BEST, Metro, Mono. In view of the future technological advancement plans, we have plans to introduce a ticketing system with facilities of QR code , Credit/Debit Card swipe facility, Online transaction, Mobile ticketing and Wi-Fi technology etc.

3. Bus Fleet –

It is proposed to raise the Bus fleet size to 4050 by 31.03.2020.

4. Implementation of Software System :

Implementation of Software System for all the departments of the Undertaking. This will help to reduce duplication of work. Also integration of various departments will help to complete departmental work easily and in less time period.

With above mentioned remarkable highlights, Budget Estimates for the year 2019-20 is submitted to the BEST Committee.
