

Times of India 28/9/2015

Power cuts back after Ganesh festival, but Bescom plays ostrich

TIMES NEWS NETWORK

Bengaluru: Official or not, Bengalureans are once again feeling the heat of frequent power failures. The worst hit are students preparing for exams. This despite Bescom's grand announcement before Ganesh Chaturthi that there'll be no more load shedding in the city.

Many areas, including RT Nagar, Sultanpalya, Jayanagar, Peenya, Banaswadi, Nagarbhavi, Rajajinagar, Avenue Road, BVK, Iyengar Road and Kodigehalli, have been witnessing power outages, especially after dusk.

Though Bescom claims the power situation is normal and the utility is able to transmit 2348MW that the city is drawing from the grid, things are not so bright on the ground.

"Quarterly maintenance works are scheduled on Saturday in Chandapura and south Bengaluru. The utility is not carrying out unscheduled load shedding," said a spokesperson.

Bescom, sources, however said the power situation is grim in the state and the energy department planned to rotate power cuts across the city and the state after Ganesh festival.

The situation could aggravate as hydel power generation is likely to fall further as most parts of the state have been



NO POWER TODAY

There will be no power supply on Friday from 9am to 4pm in areas near KR Road, Kanakapura Road, Basavanagudi, Shastrinagar and TR Nagar due to maintenance work.

“Children generally are tired after coming from school. They hate studying without fans and proper lights. We have a backup which helps us light up the house. But power goes off in the morning hours too. Cooking takes a hit most of the time. If geysers are not working, it is difficult to give children a bath in the early hours. The weather is unpredictable and I am worried they might fall sick during exam time”

Mary Vatsala | MOTHER OF TWO, FRASER TOWN

“Exam pressure is not just for children, the time is equally stressful for parents too. Frequent power cuts are making things worse. Each time when electricity goes off, children get distracted and refuse to study. The generator is switched on in our apartment soon after the power cut. It becomes a herculean task for us to make them finish their lessons early and ready them to go to bed on time”

Seema Kini | RESIDENT, KODIGEHALLI

declared drought-affected, especially in north Karnataka, they added. It is learnt the energy ministry doesn't want to buy power from external sources.

The Bescom spokesperson said hydel plants are functioning only to 30% of their capacity due to acute deficit in water storage in major dams. Also, a 500-MW unit in Bellary thermal power sta-

tion is under repair. While parents are complaining about outages in the midst of their kids preparing for exams, traders are worried about diesel bills drilling large holes in their pockets. "We thought the government will find a way to mitigate the crisis, but power cuts are back again," said Sajjan Raj Mehta, a trader activist, said.

The Hindu, 28/9/15

Disruption in power supply tomorrow

Staff Reporter

BENGALURU: There will be no power supply between 9 a.m. and 4 p.m. on Saturday in the areas coming under 220 KV receiving station, Somanahalli, for maintenance works.

According to a release, areas coming under the following sub stations will be affected.

Arehalli: Naidu Layout, Chikkalasanra, Sarvaboumanagar, Uttarahalli Main Road and surrounding areas, Puttenahalli, J.P. Nagar 6th Phase, Jaraganahaali and M.S. Layout.

ISRO: Part of Kanakapura Road, Yalachenahalli, ISRO Layout, Singapore Garden, Raghuvanahalli Ilyasnagar, Umarabag, part of Kumaraswamy Layout and surrounding areas. Jayadeva: BTM II Stage,

IAS Colony, EWS Colony, J P Nagara 3rd and 4th phases, South End Road, KAS Colony and surrounding areas.

Khodays: Doctors Colony, Konankunte Cross Srinidhi Layout, Konankunte and surrounding areas.

Padmanabhanagara: Banagrinagara, CT Bed, Bhavani Layout, Pappiah Garden, BSK III Stage, 4th Phase, Kadirenahalli, BDA Complex, Yarab Nagar, Teachers Colony, Ambedkarnagar, Kaverinagar and surrounding areas.

Sarakki: J.P. Nagar 1st and 4th Phase, Shakambarinagar, Sarakki market, Sarakki village, and surrounding areas.

Subramanyapura: Sharananagar, Prasanthnagar, part of Vasanthapura Main Road, Samrudhi Layout, Bharath Layout, Saphthagiri Layout and surrounding areas.



Duenn chronicle 25/9/15
H.P. Murali Bengaluru
POWER CUTS BACK

Bengalureans were under the impression that power cuts are a thing of the past. But they have returned with a vengeance and are happening as per the whims and fancies of Bescom officials. It is unfortunate that our Power Minister D.K. Shivakumar is so dependent on the age old thermal energy plants, where breakdowns are all too common. Tamil Nadu CM Jayalithaa has struck a jackpot with SunEdison for a ₹13,000 crore deal where the company is to erect a solar and wind energy plant in Tamil Nadu. When will Karnataka learn?

Hemachandra Babu. D Bengaluru

29-7 Deccan

'Power-starved B'luru should focus on renewable energy'

Rasheed Kappan

BENGALURU: The City might have lost out in the Smart City race. But it could still benefit by learning the dynamics of how a Smart City works through a multi-stakeholder approach.

This, in essence, is the contention of Damian Wagner from the German Fraunhofer Institute for Industrial Engineering, as he emphasises on a collaborative effort that integrates the government, experts, engineers and the City agencies.

Wagner, in an interaction with the *Deccan Herald* on the sidelines of a conference on "Sustainable cities and climate change," talks about capitalising on Europe's experience with Smart Cities.

But he insists that this could work even better by exploiting India's strengths in Information and Communication Technologies (ICT). "Politicians here should also understand the need for a roadmap. It is a long-term process that requires training," he explains.

Fraunhofer Institute's approach is essentially built around the six pillars of mobility, infrastructure, energy, ICT, security and governance. But this grid could be prioritised according to the local government's preference.

The process, as Wagner elaborates, could incorporate all these through a "common story." "Like, for instance, to make Bengaluru as the City of the future. There is a need to show the citizens the bene-



Damian Wagner

fits." But the collaboration is not a one-way process, reasons Wagner. Europe too can learn from India. "India has some of the best ICT in the world. Norway, for instance, gets a lot of ICT expertise

from India. There are shortcomings there too in building a robust broadband infrastructure."

Renewable Energy (RE) is a key component of the Smart City idea, something that a power-starved Bengaluru could increasingly focus on.

But, as Wagner points out, to make RE economically viable, the idea that conventional energy will be subsidised for ever, should go. "Renewable energy is not cost-effective if the market is not right," he observes.

Germany had switched to RE in a big way, giving nuclear energy the go-by. "RE contributes about 25 per cent to the grid there. Economically, nuclear energy is extremely expensive," notes

Wagner. But whichever energy mode a potential Smart City opts for, energy efficiency is critical, he adds. Incidentally, a major share of power here is lost in Transmission and Distribution (T&D losses).

As project coordinator of the Smart City Triangulum, Wagner has been spearheading RE systems in a set of "Lighthouse Cities."

In Stavanger with the highest electric vehicle density in Europe, the Triangulum has combined this fleet with a high-performance fibre optic network. This has boosted the city's energy and mobility solutions, while also involving citizens, enterprises, research institutions, and the health sector.

DH News Service

Deccan Herald 7:09, 20/11/15

Second KNPP unit to generate power

CHENNAI: As officials were in the process of giving final touches, the second 1,000 MW unit of Kudankulam Nuclear Power Project (KNPP) is expected to generate power by the end of the year.

"The steam flow path and steam relief devices has been tested successfully during the hot run process. Dummy fuel also been removed," said KNPP site director R S Sundar.

After getting clearance from the Atomic Energy Regulatory Board (AERB), real fuel will be loaded in the reactor.

"The electricity generation in the second unit is expected likely by this year end after it attains criticality," said Sundar. Nuclear Power Corporation



Kudankulam Nuclear Plant. DH FILE PHOTO

of India (NPCI) sources said like unit-1 of KNPP, the unit two reactor will also be loaded with fuel assemblies containing Uranium Oxide.

"Once the fuel is loaded the criticality of the unit is expected in November 2015," a senior official from NPCI said.

The second unit has

achieved a physical progress of more than 98.44 per cent.

The NPCI official said measures are being taken to avoid recurrence of several technical snags, including turbine problem, during the operations of first unit.

Accordingly, the first approach to criticality for the second unit was undertaken after conforming to all the criteria for system performances as per the design requirements and after meeting all the stipulated statutory and regulatory requirements.

"Then the plant will be synchronised to the southern grid within expected period of 30 to 45 days from criticality," he said, adding that in the subsequent stages, after completion

of procedural and regulatory requirements, power will be increased in steps of 50 per cent, 75 per cent, 90 per cent and 100 per cent.

Second unit

The unit-2 of KNPP will be the 22nd nuclear power reactor in the country and the second pressurised water reactor belonging to light water reactor category.

The power generation of the first unit of the 1,000 MW KNPP has been suspended for 60 days as part of annual maintenance and refuelling works.

Meanwhile, the KNPP unit-1, which is under maintenance, is expected to generate power in another month.

DH News Service

Enel Enters India with BLP Energy Buy for ₹220 cr

Italian co likely to get about 60% stake; deal to help BLP Energy expand portfolio

Our Bureau

Mumbai: Five years after he started his entrepreneurial journey in clean tech after a high-profile stint in General Electric as its CEO in India, Tejpreet Singh Chopra on Thursday sold a controlling stake in his flagship wind power generation division BLP Energy for ₹220 crore to Italy's Enel Green Power, the renewable arm of the country's leading utilities group Enel.

Both sides did not disclose the exact shareholding in their official communiqué, but sources say EGP will end up controlling close to 60% of BLP Energy implying an equity valuation of ₹370-380 crore for the entire company.

Paving its way for its India debut, this will also be Enel's Green first acquisition in the Asia-Pacific region and help reach more than 10 GW of net installed global capacity.

"This acquisition opens the doors for Enel Green Power to the huge potential of the Indian market and is the gateway to further expansion across Asia," said EGP CEO Francesco Venturini. "We intend to contribute to the Indian government objective of increasing the share of renewables in the country's energy portfolio. EGP is also interested in participating through BLP Energy in the country's upcoming public solar tenders at both national and state level."

BLP runs operating wind plants in Gujarat and Maharashtra with a total capacity of 172 MW and a total annual production of about 840 GWh. It also has a portfolio of approximately 600 MW of wind projects in different stages of development.

Chopra will continue to be at the helm along with other senior management executives.

Started in 2010, BLP Energy has grown primarily via acquisitions. In 2013, it acquired the 150 MW operating wind power portfolio of real estate major DLF for an enterprise valuation of ₹870 crore.

The funds will help BLP Energy expand its portfolio. With new money coming into the company, BLP's existing early stage investors — DFL, VentureEast and IIT Capital which own two-thirds of BLP's holding company — are not cashing out just yet. Analysts say these three investors together have pumped in close to ₹150 crore across various BLP entities in India and Singapore.

Cornell alumni Chopra has had discussions with European utility majors such as EDF for a joint venture to set up greenfield wind energy assets. But those discussions did not fruitify.

ET was the first to report the deal in its June 12 edition.

"We are both long-term players. With Enel's engineering expertise plus balance sheet strength we can now look to seriously build a business of scale given the market op-



HIGH POTENTIAL

We are both long-term players. With Enel's engineering expertise plus balance sheet strength we can now look to seriously build a business of scale given the market opportunity

TEJPREET SINGH CHOPRA
BLP Energy CEO

portunity. They have been studying the market for a long time but once they were settled, they closed the deal at the quickest time," said Chopra. "It brings together the global expertise of EGP and the local market understanding of the BLP Group."

"Although conventional side of power is seeing waning interest, the renewable space is being chased by both financial and strategic investors," said Suman Kumar, executive director, UBS Investment Bank. "It is less cumbersome, not very capital intensive and has less time to set up a clean-tech power plant and thanks to the government push and reforms there is a lot of interest from international players."

UGS was financial adviser to the deal and J Sagar Associates acted as legal adviser to BLP Group.

Enel Green Power is the renewable focused international arm of the Enel Group with operations in Europe, the Americas, Africa and Asia. With a generation capacity that corresponds to approximately 32 billion kWh in 2014 from water, sun, wind and the Earth's heat — enough to meet the energy needs of more than 11 million households — Enel Green Power is a world leader in the sector. The company has an installed capacity of more than 10,000 MW from a mix of sources including wind, solar, hydropower, geothermal and biomass. The company has about 740 plants operating in 27 countries.

In its 2015-2019 Strategic Plan, EGP announced its intention to broaden its international footprint by expanding into new markets. Among these, India is well positioned for rapid expansion in the renewable energy industry owing to its high population and economic growth, the company release said.

Page No 6, 25/09/15 DTS

3D printed vehicle that powers a house

WASHINGTON, PTI: Researchers have demonstrated that a wireless technology allows power to flow in either direction between a 3D-printed solar-powered building and natural-gas-powered hybrid electric vehicle.

The Additive Manufacturing Integrated Energy (AMIE) demonstration has been unveiled at the US Department of Energy's Oak Ridge National Laboratory.

Researchers from ORNL worked with industrial partners to manufacture and connect a natural-gas-powered hybrid electric vehicle with a

solar-powered building to create an integrated energy system. The car and house both were built using large-scale 3D printers.

Power can flow in either direction between the vehicle and building through a lab-developed wireless technology, researchers said.

The approach allows the car to provide supplemental power to the 210-square-foot house when the Sun is not shining.

Connecting the house to the 3D-printed vehicle demonstrates the concept of integrating two energy streams.

Dec 25/9/15

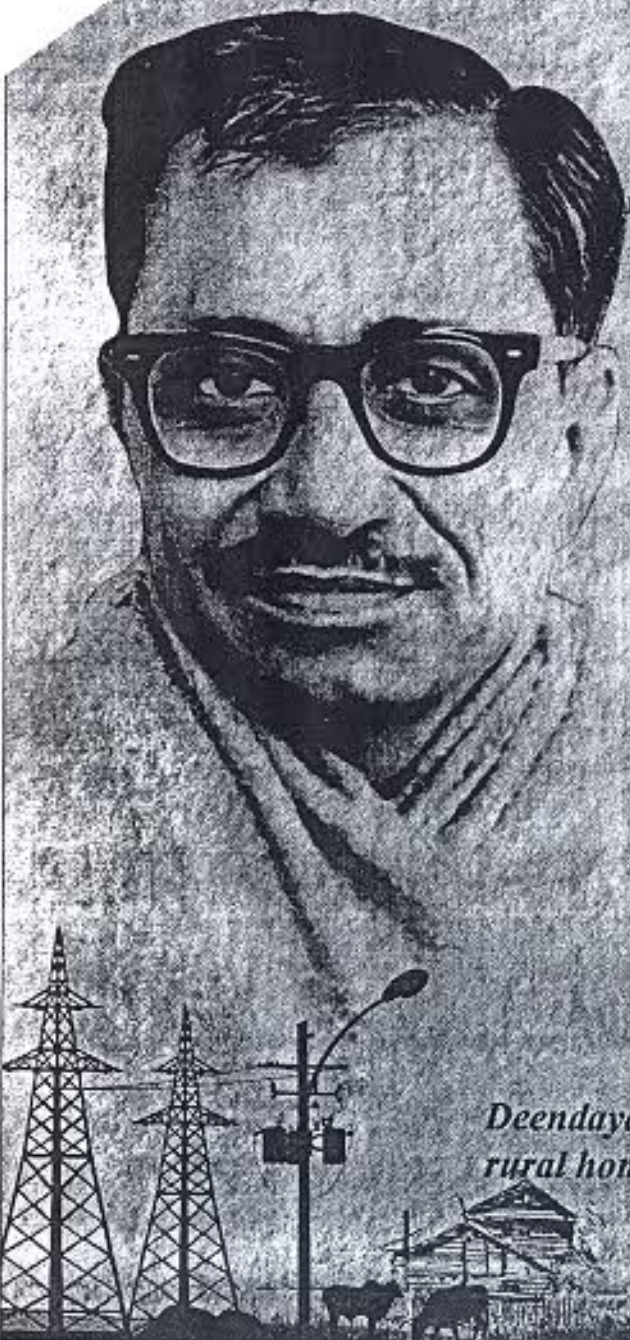
NHPC appoints new CMD

» K M Singh has been appointed as the Chairman and Managing Director of state-run power producer NHPC with immediate effect. NHPC had been unable to fill the post of CMD, which has been vacant since January, 2011. Prior to his appointment as the CMD of NHPC, Singh was the Chief Executive Director of NHDC, a joint venture firm of NHPC and state government of Madhya Pradesh. Singh has a career spanning approximately 29 years in the power sector, a release said.

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Deendayal Upadhyay

The legendary Proponent of Integral Humanism
and



Antyodaya, was born on 25 September 1916 in a small village in Uttar Pradesh. On the basis of his strong belief in the Indian value system and cultural heritage, he spread the message of Integral Humanism to the entire world.

He Laid the foundation for the most Underprivileged individuals in the lowest strata of the society to embark on the path of progress and prosperity. The Government of India salutes Shri Deendayal Upadhyay's vision by giving him a tribute in the form of Deendayal Upadhyay Gram Jyoti Yojana.

Deendayal Upadhyay Gram Jyoti Yojana

Under which, agriculture and non-agriculture feeders will be Separated. This will ensure adequate electricity supply for both agriculture and non agriculture users.

Uninterrupted electricity supply will lead to the betterment of rural areas, enhanced agricultural productivity. Areas such as health, education and public security services will see better delivery. Communication mediums such as radio, telephone and mobli will have wider and more effective reach.

Deendayal Gram Jyoti Yojana will ensure that every Indian village and every rural home will have uninterrupted power, and agricultural fields enough water.

Deendayal Birth Centenary

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The Indian Express Page (14)

BANGALORE ELECTRICITY SUPPLY COMPANY LIMITED
(Wholly owned Government of Karnataka Undertaking)

SHORT TERM TENDER NOTIFICATION (Through e-procurement)

BESCOM invites tenders for e-Auction of Scrap materials in
1) Ramnagar Division vide enquiry No. BESCOM/2015-16/Auction No's 05 (01 Auctions) No. of Lots-05 **2) Chandapura Division** vide enquiry No. BESCOM/2015-16/Auction No's 06 (01 Auctions) No. of Lots - 07.

Date of Inspection for Bidders : 28.09.2015 to 07.10.2015, 9.00 AM to 12.00 PM & 2.00 PM to 4.00 PM. Last date to confirm intention to participate in the e-Auction: 09.10.2015 upto 16:00 Hrs. Date of e-Auction 14.10.2015 from 11.00 AM to 2.00 PM for Sl. No. 1 & 15.10.2015 from 11.00 AM to 02.00 PM for Sl. No.2. Bidding documents can be downloaded through e-procurement portal website <http://www.eproc.karnataka.gov.in>. Further bidders can take the assistance of the e-procurement help desk at 080-25501216, 25501227.

Sd/-
Superintending Engineer (Ele)
Ramanagara Circle

For Electricity Related Complaints Call: 1912

The Indian Express Page (12)

BANGALORE ELECTRICITY SUPPLY COMPANY LIMITED
(Wholly owned by Government of Karnataka undertaking)

SHORT TERM TENDER (Through e-procurement)

BESCOM invites Ro Tender for providing Infrastructure to the Water works, Ganga Kalyana Works and Regularized unauthorized IP Sets in 05 O&M Sub Divisions in Ramanagara Circle on Partial turnkey basis on Rate Contract

Enq.No.	Name of the Sub-Division	Approx. Amount put to Tender in Rs. Lakhs
SEE/RMGC/PTK RC-GKs/BI1-50 Dt: 27.08.15 (3rd Call)	Bidadi	30.00
SEE/RMGC/PTK RC-GKs/HO1-54 Dt: 27.08.15 (3rd Call)	Harohalli	50.00
SEE/RMGC/PTK RC-GKs/AN1-55 Dt: 27.08.15 (3rd Call)	Anekal	25.00
SEE/RMGC/PTK RC-WS/AN1-47 Dt: 24.08.15 (3rd Call)	Anekal	100.00
SEE/RMGC/PTK RC-UNIP/CD1-66 Dt: 26.09.15 (2nd Call)	Chandapura	45.00

Last date for submitting the Bids is **07.10.2015 up to 16:00 Hrs.** Further, bidders can take assistance with e-procurement help desk at 080-25501216 and 080-25501227 or website <https://eproc.karnataka.gov.in>

For Electricity related complaints call : 1912 Sd/- Superintending Engineer (El)
RMGC, Kengeri, BESCOM

The Hindu page, 25/9/15

BANGALORE ELECTRICITY SUPPLY COMPANY LTD.
(Wholly Owned Government of Karnataka Undertaking)

SHORT TERM TENDER NOTIFICATION (Through e-procurement portal)

BESCOM invites tender vide enquiry no. SEE/BESCOM/DVG/EE/OVAE-1/15-16/Enq No:13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27 / 25.9.2015. For providing electrical infrastructure by extending 11KV HT lines, erection of 25KVA 3 star rated Distribution Transformers and extension of LT line 3phase 4 wire to Regularized Unauthorized IP sets on Partial Turnkey basis, Percentage Tender under Rate contract in Anagod, Davanagere Rural, Jagalur, Channagin & Santibennur in Davanagere, Haritha, Hornali & Harapanahalli in Haritha, Urban, Rural, Holakere & Hosadurga in Chitradurga and Hiriyur, Chalakere & Molakalmuru in Hiriyur in Davanagere Circle. Bid Document available from: 25.09.2015. Last date for Receipt of Bid Document: 16.10.2015. Opening of bid Document: for enquiry No. 13 to 20 is 19.10.2015 & for enquiry No. 21 to 27 is 23.10.2015.

The bidding documents can be downloaded through the e-procurement portal from the web site <http://www.eproc.karnataka.gov.in>. Aspiring bidders need to register in e-procurement portal. Further, bidders can take assistance with e-procurement help desk at 080-25501216 and 080-25501227.

Sd/-
Superintending Engineer (Ele.)
O&M Circle, BESCOM, Davanagere

For electricity related complaints Call : 1912