# Shivakumar's 'powerful' statement Deccon Herard.

Energy Minister D K Shivakumar on Tuesday said he is ready to face "any punishment" if his department does not keep its promise of supplying seven hours of power to irrigation pumpsets.

Replying to a question raised by N Appaji Gowda (JD-S) in the Legislative Council, Shivakumar said power subsidy to farmers is to the tune of Rs 8,500 crore and seven hours of power is being supplied to irrigation pumpsets across the state. "In

some places, we are providing 10 hours of power," he said.

He said while the present demand for power stood at 9,500 MW, the state is in a position to supply 10,500 MW. Shivakumar said it is for the Karnataka Electricity Regulatory Commission to decide on petitions filed by various escoms seeking an increase of Rs 1.48 per unit for the next financial year. "However, the quantum of hike sought is less compared to that of previous years," he added.



Power Minister D K Shiva Kumar speaks in the Legislative Council in Bengaluru on Tuesday. DH PHOTO

# LESS POWER TO THE PEOPLE

ross inefficiencies and by inference, corruption in the National Thermal Power Corporation have led to significant increases in power costs which have been passed on to the consumer, says a report by the Comptroller and Auditor General of India. Established in 1975, the NTPC is India's largest power utility with an installed capacity of 48,028 MW, and it plans to become a 1,28,000 MW company by 2032. But coal cost constitutes 60-70 per cent of the total generation tariff of coal-based power stations, and has a significant impact on the cost of supply of power to consumers.

The CAG's Performance Audit Report, which covered fuel management of 13 out of 26 coal-based power stations of NTPC and its joint ventures between April 2010 and March 2016, says the corporation shelled out an additional ₹6,869.95 crore during that period for procuring domestic coal, while losing ₹4,299.80 crore in revenues due to outages at power plants on account of fuel shortage.

To add insult to injury, the power stations paid performance incentives for additional annual supplies even though they suffered generation loss due to shortfalls in coal supply, it added. The report observed that though the company has been importing coal since 2005-06, there is no comprehensive policy for import of coal. Imported coal was stored in the same yard along with domestic coal although the former has higher Gross Calorific Value, which affected the blending ratio of coal. It also said that instead of ascertaining the transit loss of coal (difference between quantity of coal dispatched from the mines and quantity of coal received by stations) by weighing the railway rakes, an indirect method called 'volumetric method' was used. There were also concerns regarding accuracy of the stock reported at the stations, considering that some stations reported bigger stocks than the storage capacity of yard. All this, from a company that is listed as a Maharatna, or a great gem.



# 76 villages left in the dark in Uttarakhand

· These hamlets have been devoid of electricity and basic amenities as government deadlines stay on paper

() Ukhimeth (Uttarakhand)

WHEN Arun Jaitley was telling the whole country in his Budget speech that he would achieve 100 per cent rural elec-trification in the country, he went unheard by the people of Gondar in Utarakhand. The 80 households of the village, some 30 km from Ukhimath, have no er and therefore no TV.

Gondar is one of the 76 vil-lages in Uttarakhand that have not been blessed by grid-supplied electricity since Inde-pendence. It gets by on unreliable solar power.

Jaitley's promise brings a smile to the face of Gondar's pramukh, Bir Singh. "We have heard it all before. If they were

serious, it would have come by now?" Villages like Gondar are hard to reach for the traveller as well as power supply. To get to Gondar, one has to reach Ransi village in Ukhimath block first and from there trek
km. Most of the villagers
work as labourers or sell food to tourists going to Madhya Maheshwar temple 9 km from Gondar. Some households rent out rooms to those want to stay

Attempts have been made previously to connect Gondar to the state's power grid. In 2013, a tiny substation was built but it was washed away in the Kedarnath floods just months later. It was repaired in 2016, but heavy rains ruined it again.

The fact that 76 villages in Uttarakhand have no electrici-ty came to light when a Dehradun-based activist, Ajay Kumar, filed an RTI application. Most of the unlit villages are in Ut-tarkashi (31) and Pithoragarh (29) districts apart from a few in Tehri and Rudraprayag. "It is shameful that 70 years

"It is shameful that 70 years after Independence, these villagers have to manage with kerosene lampe," said Ajay Kumar After Ajay Kumar received his RTI response, he wrote to the Prime Minister's Office and got a response. The PMO reminded the Uttarakhand government that finish have been ernment that funds have I made available for electrification of these yillages. But the State government ignored the PMO's direction. "I feel this

was because of politics as it became a BJP vs Congress issue," said Ajay Kumar. However, Uttarakhand Power Corporation (UPCL) officials said some poles were erected in these villages but they got washed away in the 2013 Kedarnath flood and in the 2015 researnain Bood and subsequent weather events. Now, it's back to the drawing board. "Estimates for power lines were made long ago. But it's a difficult terrain," said a senior official of UPCL. The senior official of OFCL. The deadline: end of 2017. But dead-lines have been missed before, even with PM Narendra Modi's time horizon of Dec 3, 2016, to rig up power supply to 18,500 villages. As the poll scene heats up; the village of Gondar is ready to boycott elections as it has done before.

#### **Powerless**

Out of the 18,500 dark villages in the PM's ambitious plan 7,300 are yet to be covered. # is an everyday struggle for to people of Gondar, Struggling for basic needs like electricity, drinking water and road, the village has boycotted elections twice in the past.



It is sharroful that 70 years after independence, these villagers have to manage with kerosene

# Power segment boosts BHEL profit, provisioning buoys PNB net in Q3

. PAS ECOBONIC BURELU MANADAN

STATE run engineering major BHEL on Tuesday posted a net profit of VES-5 crow for the quar-er ended December 31, 2015 on the back of higher tecome from the power segment. The company had reported a net loss of VLSM-56 crore for the quarter under

The company's total inchme in-creased to \$6,461.22 crore for the

BHEL. Chairman and Managing Director Atul Sobti said.

For nine mouths to December 2018, HELL posted an etype of the 2018 Part Dosted on the process of previous year. Revenue grew by 18 per cent to 18,868 crore in the same period of previous year. Revenue grew by 18 per cent to 18,868 crore in the first nine months of 2016 17 flates.

"Herving achieved the mind a four-field jump in net profit to 2016 in the first nine months of 2016 17 flates. The sand that target of its forus on maintaining that forus on maintaining leading the status in the power sector while diversifying in the monther of the company to capitalise on the massive infrastructure genefiting by the government, with a special focus on linian Rallways, defending the first same quality, however, deteriorated further as serving same to sell loans hit 13.0 grant in the dependence and other industrial products do the mind the products and other industrial products do the mind the products and other industrial products do the mind the products and other industrial products do the mind the products and other industrial products do the mind the products and other industrial products do the mind the products and other industrial products do the mind the products and other industrial products do the mind the products and other industrial products do the mind the products and other industrial products do the mind the products and the produc

ship status in the power sector while diversifying in the non-thermal power segment and other new areas. The said.

As part of this, focus is on creating new verticals within the company to capitalise on the major than the company to capitalise on the major to the company of the government, with a special becaus on Indian Rallways, defence and other Industrial products to drive the next wave of growth. In

### Tata Steel back in black, logs 7231 cr net

Othern by the improvement in States volume and higher prices of steel, Tata Steel gat back to the profit mode by posting a net profit or (231.40 crose for the December quarter. It had registered a comolocited net loss of (27.49.72 crose in the same quarter soft the last fiscal. The company said reventues rose 7 per cent sequentially and 4 per cent no a year-on-year basis. The growth is largely driven by storing performance.

driver by strong performance from Indian operations. Sross tales also increased to ₹29,279 crore from ₹25,652.3 crore in the year-ago period.

#### nco Coments 03 net up 26.3% to ₹151.88 cr

Ramico Cements on Tuesday reported a 28.35 per cent jump in standalone net profit to 1151.88 crose for the third guarate on higher sales. Ramoo Chad reported a net profit of 118.35 crose in the comsonding period of the previous fiscal. Total income from operations during the quarter under review went up by 18.07 per cent to 1,111.29 crose as against 1941.20 crose in the corresponding quarter of the strike. The company's sales were up 22.25 per cent to 19.88 labb tonnes in the quarter company's sales were up 22.25 per cent to 19.88 labb tonnes in the quarter company's sales.

#### Titue third guarter not up 1996 at ₹255.75 cr

Tata group film Titan Co Ltd posted a 13 per cent increase in standalon net printf at 7255.75 core for the third quarter. The company had posted a standalon net printf of 7226.15 core in the same period last fiscal. It said in a 855 filling. The income from watches was at 7509.25 core, a 51 per cent from the year-apo quarter. Newtley business had recorded a growth of 15.4 per cent with an income of 13,255 crow. It said. The precision engineering and accessories business registered a growth of 44.5 per cent at 75.97, said Titan.

## MRPL Q3 up 92% to **7566** cr

Mangalore Refinery and 
Petrochemicals Ltd (MRPL) on 
Tuesday reported a 92 per cent 
jump in its third quarter net 
profit on the back of higher 
refining mangles. Net profit in 
October-December at 7566 
crore was 91.8 per cent more crore was 91.8 per cent more than £295 crore net profit in the same period a year back, the company said MMPI, a unit of state explorer OA and Natural Gas Corp (OH6C), earned \$7.43 on turning every barrel of crude oB into fuel in Q3 companed to a gross refining mergin of \$4.83 per barrel in the same period in the previous fiscal.

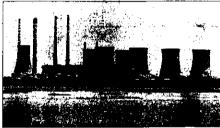
## PORTO CONTRACTOR DE LA TRACTOR Surplus may free state from summer power cuts

#### **Bosky Khanna**

ASENGALURU: The Energy department has assured that it has surplus power and there will be no power crisis in the summer. This is despite the fact that there have been unscheduled power cuts in the state.

P Ravi Kumar, additional chief secretary, Energy department, told *DH* that they have shut down a few units of thermal power stations because of a dip in demand.

According to him, two units of Raichur Thermal Power Station (RTPS), one unit of Udupi Power Corporation Limited (UPCL) and one unit of Ballari Thermal Power Station (BTPS) remained shut. "For the first time, the state has excess power," he said, referring



The Raichur Thermal Power Station is among the generating stations that have been shut in view of the decrease in demand, OH FILE PHOTO

other 300 MW is coming from Maharashtra Kumar said.

The power generation from hydel sources per day is 2.63 million units, while 402 of the 198 MW available from

to the 900-MW purchase. An- MW of solar power has been added to the grid. Another 800 to 1,000 MW solar power will be added soon, he

the central grid. He pointed out that the department was ready to meet the peak de-mand of 10,500 MW, but the present peak demand was hov ering between 9,300 MW and

9,400 MW.
"We have stored sufficient water in the dams for hydro electricity. The demand from the industrial sector has come down, which has saved the power for the people," he said.

The department has chalked out plans to procure 1,200 MW from Kudgi (Vijayapura). Two units of Yeramarus (Raichur district) will start functioning in September and the BTPS will supply 700 MW. Power from the National Thermal er Corporation in Tamil Nadu will also be available. Work orders have been issued to start generation of 500 MW of solar power during the summer. The department has igned agreements for expand-ing the UPCL plant to generate 1,200 MW by 2022. The Kar-nataka Power Corporation will set up a 300-MW hydel plant is Chiranascamules and general in Shivanasamudra and gener-ate 1,600 MW from Chhattisgarh thermal plant.

K G Prabhakar, power ex-pert from FKCCI, said data from the Karnataka Electricity Regulatory Company and their assessment shows agriculture consumes the maximum power of 33%, but there is a decline this time. Industrial power consumption has come down because of less industrial production and unfavourable tariffs offered by the state.

## Power utilities push for tariff hike, KERC to decide by March-end res 45-52 ml units

ESCOMs propose ₹1.48 hike per unit; state needs around 200 to 208 million units of power e

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\*\*VARIOUS Electricity Supply Companies (PSCOMS) have approached Karneses (RSCOMS) have a proached Karneses (R

will be no usual power cuts this susamer."
he claimed.
will be no usual power cuts this susamer.
he claimed.

scross Karnetaka are not filled ESCOM
is also largely depending on purchase of
power from outside. Our priority is to
supply power to consumers for research
be price, he suid. Minister further said
in 2012-13, 79 paise hike was proposed but
the KRRC approved only 12 paise hike.
Similarly, KRRC approved 23 paise, 25
paise, 13 paise and 48 paise hike as against
the request for 70 paise, 65 paise, 80 paise
and Rs 1.02 respectively between 2013-14
and 2016-17.
State has purchased 4.50 MW power
from Demodhar Valley Corporation, 300
MW from Maharashim and 300 MW form TVO india Limited (Andhra
Pradesh) and JSW Energy Imited.

eneration Source	Power generated in January 2017
dro	544
	1,540
IPCL _	725
on conventional	646
vc	252
tate government share	1,783
Purchase from outside state	580
TOTAL	

(All figures in million units)

-

winhara Southa and Ms. building. Annually, power bill fro-viranta Southa, Vikasa Southa 5 Building comes up to Rs 540 kh. Solar grid will lessen the inden on department. ve PWD is planning to install solar id at Vidhana Soudha and MS According to the BBMP, there are over 38,000 businesses in the city without a valid permit. Commissioner N Manjunatha Prasad has now asked Bescom and the commercial taxes department to provide them with data assistance to help the civic agency crack down on those flouting zoning regulations

# **Commercial Sweep**



Atul Chaturvedi

TWEFTS matuleMirror

Although the Bruhat Bengaluru Mahanagara Pallie (BBMP) had detailed records of trade licenses issued to run commercial activities in Bengaluru, the civic agency has only now arrived at whopping figure of 38,482 as the number of businesses training without yadid permit they are him toward out of places for which can be a paying residential property tay while can varie of memorial activities. Considered fileral as per 201 and 10 sudations and the high 10 and 10 sudations and

activities considered illegal as per social organizations and the high could be a propertied or the high could be a propertied or the social organization of the social organization organization which they are paying residential property tay that they doubt shut they down their as returns before December 14. Local editors

But now, he has come up with another shocker for those indulging in this illegal activity. He is planning to col-

late data from Bangalore Electricity Supply Company (Bescom) and the commercial tax department to arrive at the accurate figure and nail these

Pradd and that to know how many alegal commental businesses are being run in readential areas. We need to link it with a rock and a ward to write a work and projective with a ward and projective with the respect to the readents are 86-45°. It we look at the the runber of projective are 86-45° it we look at the runber of projective are 86-45° it we look at the runber of made alectory businesses of the runber of made alectory businesses of the state of the second of the secon

The commissioner fees that these 38,452 who are running commercial activities illegally in residential areas, either have not taken trade licences or they are not eligible to those. But since these commercial activities are being carried on in residences, our people wouldn't have checked it," Prasad said.

#### WHERE BUSINES ACTIVITIES CAN TAKE PLACE

#### **40 FEET**

is the minimum road-width for permission to do business. No commercial activities were allowed in ring one, ring two and ring three of the zoning regulations if the condition is not met.

#### 500 SQFT

is the maximum built up commercial space one can do business on in ring one and ring two areas if the road width is more than 40 feet.

#### 10,000 SQ FT

In ring twee, if the site is more than 10,000 sq ft and the frontage has a more-than-100-feet-road, then commercial activities are allowed in residential areas.

(Areas coming within the core ring road come under Ring 1. Those between the core ring road and outer ring road are in Ring 2. Those beyond the outer ring road and within the local planning authority fall under Ring 3) Prasad is now trying to collect and correlate two types of data – one on how many commercial meters and connections Bescom has issued in Bengaluru, and two, from the commercial tax registration certificates issued by the commercial tax department. "I have told officials to go according to the zoning regulation maps, which will clearter data and a second of the control and

"I have told officials to go according to the zoning regulation maps, which will clearly display residential and commercial areas. Officials will collect details of such commercial activities and details of the establishments. Once the data is available with us, we will issue a show cause notice to them along with the High Court order directing them to shou down their businesses. We will be waiting for their replies, and accordingly, the orders will be issued. "he sald, Meanwhile, the BBMI has already commenced training procedures to its health inspectors, who are authorised to issue trade licences."

inspectors, who are authorised to issue trade licences.
Former additional chief secretary A Ravindra has updated officials about the High Court order and about the zoning regulations which need to be followed.

"The RWA's tresidents' welfare associations) have met me recently and they have discussed with me. I have asked the officials to first act on the list given by the RWAs," he said. Prasad sald: "Already we have issued a public notification. According to the revised master plan-2015, which came into force in 2007, it provides for a lot of commercial activities in residential areas. Then, around 20 RWAs took up the issue to the court. In January 2012, interim order was passed: and after that, 254 trade licences which were issued by the BBMF for commercial activities in the residential areas, were cancelled. Subsequently, BDA modified zorung regulations and animodiment was made in

Subsequently, BD4 modified zoning regulations and an amendment was made in September 2014."

A helpiess commissioner Prasad said although zoning regulations are available with BBMP nobody took implementation seriously. This forced local residents to approach the court. The court also directed the BBMP to take action, but commercial activities in residential areas continue to be rampant.

## 78-crore Energy Boost for Zenatix from pi Ventures

BENGALUNO Zenatix Solutions has raised #8 crore from investors led by bi Ventures in a pre-series Around which also saw participation from existing exector flums ventures, the property series are the property series and the property series are th

Concrts State Shelld.

The data shell an energy efficiency state of the partier raised angel funding from Trifecta
Capital's Raine Branna, Google's Rajan Anandar and Snapdeal cofounders it grant Bahl and Rohit Battal. The company plans to use the current sound of funding for expanding business and secretiment.

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# The Hindu 8/2/2017 SNIPPETS

## Brace for high power tariff

f you think the electricity bill is already making a big dent in your monthly expenditure, there is bad news in store. Electricity supply companies have sought an increase of ₹1.48 per unit for electricity tariffs for the next fiscal, in its petition filed to the Karnataka Electricity Regulatory Commission. Replying to a question by MLC N. Appaji Gowda in the Legislative Council, Energy Minister D.K. Shivakumar said the revision is inevitable to set right the gap between revenue and expenditure of the power supply companies.

# India eyes solar storage technology from Belgium

New Delhi: India is looking at an innovative Belgian solar storage technology that promises to offer consumers a source of quality power as a green and reliable alternative to flickering supply from battery storage or diesel generators in distant or off-grid locations.

National Institute of Solar Energy, an autonomous entity under the new and renewable energy ministry, and Tiger Power of Belgium, on Tuesday inked a MoU for vali-

dation of the technology that combines solar panels, normal lead-acid battery and hydrogen fuel cells to produce steady power.

Simply put, the package is essentially a solar-battery storage module with a hydrogen fuel cell in tandem.

"Defence could be one area where the technology may be useful as it comes in foldable modules," a government official familiar with the development told TOI. TNN

## POWER BILLS FOR POWER CORRIDOR

he power cluster -The power cluster comprising Vidhana Soudha, Vikasa Soudha and Multi-Storied Building -paid a power bill of Rs 5.4 crore in 2015-16. Replying to a question in the legislative council public works minister H C Mahadevappa said his department was taking steps to cut down on power bills in these three buildings by opting for solar power. While Vikasa Soudha has a solar grid, Vidhana Soudha and MS Building will shortly be powered by solar energy. Mahadevappa said.

fer years spent enduring the odd shapes, harsh light and slow starts of compact fluorescent bulbs to too to mention risking mercury exposure if they broke), the world is slowly but surely opening up to LEO (light-emitting diode), a breakthrough in energy-efficient lighting.

The adoption of LED bulbs registers such as given if a many in the state of the

suggest they will account for 69% by 2020. And for good reason: The best LED bulbs use 85% less electricity than their incandescent counter-

use 85% less electricity than their incandescent counterparts and last up to 25 times longer.

Don't get misled by the whole "smart home" mess—app-controlled dimming, hue adjustments and whatnot—that are being associated with LED lights. All signes including the counterparts and the counterparts are being associated with the property of the form of the counterparts of the counterpart





#### ENEDGY EFFICIENT

LED bulbs reduce demand for electricity, which cuts back markedly on the back markedly on the greenhouse gas emissions fast cooking the planet. A 6W LEO hulb can put out as much light as a 50W halogen butb. Swapping all the lights in a small apartment with makes a don't in your ways man late.



Se COOL TREY ARE HOT

LEDs don't give off anywhere near as much heat as inca
descents, which is a nice side effect of their efficiency;
they don't emit invisible infrared or ultraviotet light,
which would express themselves as just wasted heat,
and their output is only useful light.



#### RICH COLOURS

Watts

Life (years) Annual energy cost 0.9

RICH COLOURS
With regular buths, you can have any colour so long as it's a shade of yellow. With LEDs, you get access to the full spectrum, should you want to get fancy. It also comes in cool shades of white that can make your kitchen and bathroom look exactly as they



22.8

### FLEXIBILITY

PLEARBELL I Y
You pan choose how wide a beam offlight your LEDs will
produce. Some are intended to be apostights and are
thus more narrow shit focused, whereas others broaden out to a 1200 degree ere that gives a sefter, more diffuse illumination.



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(ಕರ್ನಾಟಕ ಸರ್ಕಾರದ ಸಂಪೂರ್ಣ ಸ್ವಾಮ್ಯಕ್ಕೆ ಒಳಪಟ್ಟಿದೆ) CIN No: U04010KA20025GC030438

ಅಲಾವಧಿ ಮರು-ಟೆಂಡರ್ ಪ್ರಕಟಣೆ (ಇ-ಫುಟ್ಕರ್ಯಮೆ ಫೋರ್ಬಲ್ ಮೂಲಕ)

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ಸಹಿ/- ಅಧೀಕಕ ಅಭಿಯಂತರರು (ವಿ) ಒಡಿಎಂ ವೃತ್ತ, ಬೆಎಕಂ, ದಾವಣಗೆರೆ

BANGALORE ELECTRICITY SUPPLY COMPANY LIMITED (Wholly owned Govt. of Karnataka undertaking)

CIN No: U01010KA2002SGC03013

Short Term Re-Tender Notification (Through a Procurement Portal)

BESCOM re-invites Tender for Providing electrical infrastructure by extending 11kV HT lines, erection of 3 star rated 25kVA Distribution Transformers and extension of LT line 3 Phase 4 wire to Ganga Kahana IP sets on Total Turnkey basis under Rate contract side Eng to \$55.

BESCOM/DVG/EE(O)/AE-1/16-17/Eng No:50/06-92-2017 in Rural Sub-Division, Davanagere.

Bid document available from: 07.02.2017, 16.80 Hrs. Last date for receipt of Bid document: 21.02.2017 upto 16.00 Hrs. Opening of Bid Document: 23.02.2017 at 16.00 Hrs. The Bidding documents can be downloaded from the website http://www.eproc.karnataka.gov.in Aspking bidding register on e-procurement portal. Further, bidders can take assessment. e-procurement help desk at 080-2550 1216/ 2550 1227

For Electricity related complaints, Call: 1912

Sd/- Superintending Engineer (Electy.) O & M Circle, BESCOM, Davanager