

# Sharavathi fire: Govt to form inquiry panel

**SHIVAMOGGA:** The State government will constitute a panel comprising senior officers from premier power companies to probe into the fire mishap at the Sharavathi hydroelectric plant near Jog Falls in Sagar taluk on Thursday.

The team will comprise officers from the Central Power Research Institute (CPRI), Karnataka Power Corporation Limited (KPCIL), Karnataka Power Transmission Corporation Limited (KPTCL) and retired officials. Energy Minister D K Shivakumar said here on Friday.

Speaking to media persons after visiting the plant, the minister said that the unit, which was contributing 25 per cent of power had come to a standstill due to the fire, thus bring-



The control room of Sharavathi hydroelectric plant at Jog Falls in Shivamogga district which was damaged in the fire on Thursday. (The Hindu)

ing down the power generation by 750-800 MW per day.

According to sources, the loss incurred due to the mishap could be around Rs 100 crore. The minister said that the cost of production of power was the lowest at Sharavathi plant,

in the whole of South Asia. Therefore, the loss due to the fire cannot be compensated by any means as purchasing power from other sources is cost prohibitive.

"The power cables at the plant have been reduced to ash-

es. We have decided to modernise all the ten units of the plant with advanced technology taking safety measures on top priority and keeping next 100 years in view," he added.

The minister stated that the government has taken all measures to supply power to the entire State without any interruptions during summer. It has decided to purchase power from the Centre at Rs 4.50 per unit and from other sources at Rs 5.80 per unit. The power requirement of domestic and commercial consumers, including industries and farmers, will be met, he stated.

Shivakumar said other power generation units such as Linganamakki, Gerusoppa and Mahatma Gandhi will be utilised to their maximum capacity to ensure that there was

no shortage of power. He said the Raichur Thermal Power Station (RTPS) was also generating power to its capacity. However, water from river Krishna was not reaching the RTPS as farmers were drawing water mid-way and suitable measures had been taken to check the practice.

### Reward announced

Energy Minister D K Shivakumar has announced a cash prize of Rs one lakh each to the four daily wage workers - Ramu Mukhtiar, Chidambar Jain and Shamiulla - who risked their lives to rescue three engineers: Krishna Bhat, Balachandra and Jovelyn, trapped inside the plant during the mishap. The minister also recommended for the Shourya award, he said. **DH News Service**

# Fire Won't Affect Power Situation: Minister

Generation in 3 other units will be increased to ensure supply

Express News Service

**Shivamogga/Bengaluru:** The fire at the Sharavathi power generating station on Wednesday has wiped off around 800 MW that was being added to the state's kitty of power.

The cost of production of power was also the cheapest at 24 paise per unit and the state will have to compensate for this loss by upping power generation from other hydel sources and also purchasing power from the Central grid at a higher price.

Assuring that there would be no shortage in power supply to both domestic and industrial consumers, Energy Minister D K Shivakumar said that power generation will be increased in Linganamakki, Gerusoppa and Mahatma Gandhi power generation units.

"We will utilise these stations to their optimum capacity by diverting the water to these units," he said.

The minister asserted that the government had taken all measures to provide power to the entire state in the coming months by purchasing power from central government (74.50 paise per unit), exchange and from other sources at 75.80 per unit. The minister was addressing the media after a visit to the Sharavathi generating station on Friday afternoon along with Energy Department officials.

Speaking about the loss

### RAICHUR POWER GENERATION IMPROVES

With the functioning of Unit 7, generation by the Raichur Thermal Power Station has considerably increased from Friday. Owing to paucity of water from the Krishna river, the generation in Unit 1, 7 and 8 were stopped from February 17. Now that water has been released from the Narayanpur dam to the river, RTPS authorities are able to restart Unit 7. If the situation improves, Unit 8 will also be put to service, the authorities said. The generation was around 600 MW since last three days.

incur, he said, "This is an accident. We cannot make up for this loss from elsewhere. It certainly costs a huge amount to purchase power from other sources. We have to bear with it, it is inevitable."

As on Friday, the actual consumption across the state was 193.96 MU (Mega Unit).

Meeting this demand were major hydel power stations contributing 15.60 MU, minor hydel stations contributing 3.81 MU, thermal stations generating about 37.03 MU, Central generating stations contributing about 46.95 MU and non-conventional energy and other

sources contributing about 90.57 MU.

### Committee to be Formed

The government will constitute a committee of high-level officers from CPRI, KPCIL, KPTCL and retired officials to probe into the fire at the Sharavathi Hydro Power Generation unit (SHPG) in Jog on February 18.

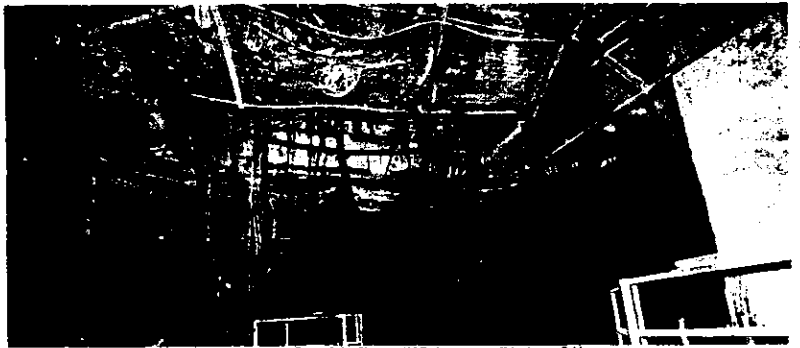
Speaking about the incident, Shivakumar said the fire broke out due to short circuit around 4.30 pm on Wednesday due to single phase-to-earth fault in the Sharavathi-Talaguppa-3220 KV line.

At this juncture, a sudden power flow of 21,000 kilo amps led to a fire breaking out in a cable duct situated in second floor of the unit. All the nine units were immediately shut down.

The entire control room was gutted and even the cable duct room was burnt to ash.

However, there were no damages to switch yard, CT, PT and isolators.

"Entire units in the Sharavathi station will be modernised with advanced technology with top priority to safety measures and keeping the next 100 years in view," said Shivakumar. He said every switch, line, generator and all electrical equipment will be tested before restructuring and renovating the entire unit.



The charred remains of the cable duct on the second floor of the Sharavathi Hydropower unit in Jog on Friday.

# Sharavathi Hydel Unit Comes to a Halt

by Ravachandra V Ganeri

**Shivamogga:** Sharavathi Hydro Power Generation came to a halt on the evening of February 18, after a gap of 52 years, following the fire. All the 10 turbines in the unit have come to a standstill making it a 'silent zone'.

The entire third floor (control unit) was charred with a pungent odour of burnt cable making it hard for people to enter.

Sharavathi Hydel Power Generation unit consists of three floors and the first floor is an A/M Zone and entry zone. Second floor has cable ducts like a blood circulation unit in a human body and the third (last) floor is a heart-control unit where entire power generation unit is

### Repair to be Speeded up

Two towers (1 and 2) of 110 KV capacity on JSTL collapsed during last rainy season and its repair work is moving at a snail's pace for the past eight months. Sources say it would require at least two months if they take up this work on priority. Otherwise the authorities can think of using alternative UG cable. But laying of UG cables requires more funds. There is no other option if the authorities go for optimum production of 139 mega watt per day from Mahatma Gandhi Power House (MGPH) unit. Presently MGPH unit is generating 40 mega watt per day.

controlled right from operating the generators to controlling power generation and other operations.

The control room consisting of switches, panel boards, monitoring screens and operating levers has turned to ashes. Only hard materials like iron plates and remains of panel board can be seen

hanging from the roof

### The Rescue Effort

Fire brigade from Sagar, Sorab, Siddapura and Shivamogga were pressed into service to douse the fire that engulfed entire building and took about four hours from 5 pm to 9.30 pm on Wednesday. Chief engineer of KPC

Shivaji told media persons that the fire was first noticed in A/M zone in the ground floor and it was doused. After sometime fire broke out in the cable duct of the second floor. When the fire was noticed in the second floor, emergency sirens were blown.

Three engineers, who were working in the control room were alerted, and they immediately put off all the switches and rushed to the top floor. However the wind blow engulfed the roof top and made it difficult for executive engineer Krishna Bhat, AEE Balakrishna Benur and assistant engineer Joyaline Fernandes to leave. However, they were asked to reach the other end of the roof and were rescued by four contract labourers.

# Workers save engineers from death

## Energy minister DK Shivakumar announces ₹25,000 to each of the four brave men who climbed duct pipes to get to terrace of control unit and rescue the trapped KPCL engineers

Bangalore Mirror Bureau  
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**T**hree assistant executive engineers were saved by a valiant effort by four daily wage workers who pulled them out from certain death. The engineers were trapped when a major fire engulfed the control unit of Mahatma Gandhi Hydro Electric Station due to a fire mishap near Jolly Falls on Thursday.

The energy department has announced a cash award of Rs 25,000 to each of the four daily wage workers - Hitalambar Jare, Ramu, Samudrala and Muktyar Ahmed - who demonstrated exemplary courage in the rescue act. The three engineers had remained trapped even as the Karnataka Power Corporation Limited (KPCL) remained unsure about their fate for several hours after the earlier batch of trapped engineers and staffers of KPCL were safely brought out from some of the 10 power generating units.

The three sets were brought out late Thursday evening had remained trapped in the control units. The situation was so bad that KPCL was unsure how many had been trapped and even whether they were dead or alive.

However, the four workers appeared on the scene. They struggled against time to rescue the trapped engineers. In fact, all of them climbed on to the towers using the duct pipes and were instrumental in safely rescuing the trapped engineers," explained a senior KPCL official near at Sharavathi.

Energy minister DK Shivakumar, who visited the station on Friday, assessed the damage, caused to one of the major hydro-electric power generating stations in the state during Thursday's tragedy.



KPCL has estimated that damage of the cable networks alone is to the tune of about ₹100 crore. Right: Muktyar Ahmed, Ramu and Samudrala



### 80 PER CENT GUTTED

About 80 per cent of the Mahatma Gandhi Hydro-Electric Station near Jolly Falls has been gutted in the fire on Thursday evening, according to the preliminary investigations carried out by the energy department. The findings pointed that there was fault with the 220 kv line connecting Sharavathi Talagappa resulting in the flow of 21.6 kilo amperes of power triggering fire mishap. According to Energy minister DK

Shivakumar, no damage was found at the outset in turbines, switch yard. However, entire instrumentation will be subjected to thorough inspection as a minor damage now could pose bigger threat at a later stage. Hence, the entire network will be modernised keeping in mind the future requirements. A team of six senior officers, including KPCL officials, CPRI scientists and KPCL engineers, will probe the mishap.

On being informed about the valiant effort rescuing the three assistant executive engineers on duty in the control unit at the time of tragedy, Shivakumar immediately announced the cash reward. The courageous act of the four was applauded by all including the minister.

"We are thankful to these employees for rescuing the trapped engineers and other KPCL employees. The tragedy should not have occurred given the power situation that we are facing. It is not just the energy department, but the entire state that has suffered a problem because it will take several days to restore the unit."

The minister said a high-level committee would be constituted to look into the incident and determine the exact cause of the fire. "We may require another two days to assess the extent of damage. He told media persons at the station on Friday. It is believed that a short circuit caused the fire to completely destroy the cable network at the 10 power generating units after the fire started at the control unit at the station.

At Sharavathi, the Karnataka Power Corporation Limited (KPCL) has estimated that damage of the cable networks alone is to the tune of about Rs 100 crore, while other damages are being assessed.

The reservoir had 96 per cent of water storage for utilisation during summer.

The government has decided us to supply the water to Gerusoppa plant which can generate about 1600 MW. It may reach about 15 to 20 MW per day so that the power crisis would not affect the citizens particularly in the summer months, which is also the examination season," a senior official from the Energy department told Bangalore Mirror.

The Hindu Page No 6 20/02/2016  
Delay in resumption of generation of cheap power will put a huge burden on State exchequer

# IT MAY TAKE UP TO 4 MONTHS TO RESTART SHARAVATHI

SHIVAMOGGA

**I**n a bid to avert a power crisis in Karnataka, the State government has decided to tap the Sharavathi hydroelectric power station which was shut down for about a month on Thursday. However, the resumption of generation is likely to take up to four months, according to officials in the power generation department.



The power crisis in Karnataka has been exacerbated by the failure of the Sharavathi hydroelectric power station, which was shut down for about a month on Thursday. The government has decided to tap the Sharavathi hydroelectric power station which was shut down for about a month on Thursday. However, the resumption of generation is likely to take up to four months, according to officials in the power generation department.

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## Authorities tap hydel reserves to tackle emergency

BANGALORE

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### CONSUMPTION

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THE MEASURES WILL BE TAKEN TO USE THE AVAILABLE HYDEL RESERVES FOR INDUSTRIES AS WELL AS FOR THE PEOPLE. USE OF HYDEL RESERVES TO MEET DEMAND FOR POWER FROM OUTSIDE SOURCES AND BY GOING FOR OPTIMUM GENERATION IN HYDEL AND THERMAL POWER PLANTS.

# Panel to probe fire at Sharavathy station

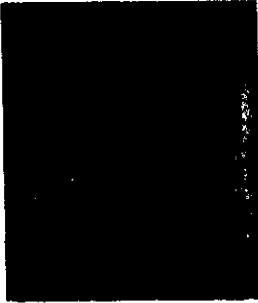
DC CORRESPONDENT SHIVAMOGGA, FEB. 19

A committee made up of retired engineers of the Karnataka Power Transmission Corporation Ltd and Central Power Research Institute will look into the fire which reduced vital installations of the Sharavathy generating station at Jog Falls to ashes Thursday evening and also assess the loss suffered by the accident.

Announcing this, here, Energy Minister, D.K. Shivakumar, who visited the power station on Friday, said it would be checked thoroughly for defects and be overhauled with the latest technology.

He also announced a reward of Rs one lakh for the four housekeeping staff, who saved the lives of three engineers and prevented further damage to the plant. Noting that the Sharavathy generating station was the heart of the Karnataka Power Corporation Ltd, the minister said the state would now have to buy power from outside to make up for the shortfall.

"The state has lost 800 MW of power produced at this station due to the fire. So the government will buy power from outside to meet the demand from the agriculture,



industrial and domestic sectors," he assured.

According to the official report, the fire broke out at around 4.30 pm on Thursday after a single phase-to-earth fault at the 220kv capacity Sharavathy-Talguppa 3-ST 3 caused 21.6 kilo amps of power to flow back towards the earthing panel.

Nine units were immediately shut down and three engineers, who were in the control room, were rescued safely with help of four housekeeping staff. The police and the fire brigade were alerted and the fire was doused in a few hours. While the fire gutted the relay protection scheme and cable duct, the main equipment such as power generator, transformer, switch yard, breakers, and isolators were not damaged thanks to the timely action taken by the labourers, contract workers and officials at the spot, the report said.

**6** The state has lost 800 MW of power produced at Sharavathy station due to the fire. So the government will buy power from outside to meet the demand

— D.K. Shivakumar, Energy Minister

# RTPS prepares to address water scarcity as summer peaks

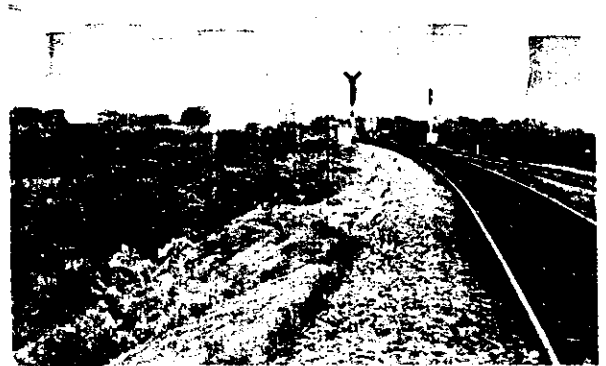
KUMAR BURAIKATTI RAICHUR

The water shortage on Wednesday that led to a sudden shut-down of unit-7 and unit-8 of Raichur Thermal Power Station (RTPS) and reduced the generation by remaining units has left RTPS authorities worried on what will be in store as summer progresses. They are now scrambling to ensure uninterrupted water supply to the power station.

Water from Basava Sagar Reservoir - built across the Krishna at Raichur-Yadgir district border near Narayanpur - has been released to the river for filling Googal barrage near Googal village, about 52 km from the reservoir. The idea is to maintain minimum storage of 1 tmcft water in the Googal barrage so that all eight RTPS units (with total installed capacity of 1720 MW) can run round the clock for the next three months.

Sources in RTPS say Wednesday's developments were unexpected. Considering the possibility of water shortage, the RTPS authorities in coordination with the officials of Krishna Bhagya Jala Nigam Ltd. (KBJNL) had got 1,000 cusecs of water released from the Basava Sagar Reservoir from February 10. However, the water did not reach Googal barrage on time owing to huge pits created by massive sand extraction in the riverbed. Illegal drawing of water for unauthorised irrigation in the upper reaches of the river also played a role in the delay. This forced them to shut two units and reduce power generation in the remaining units using just 40 cusecs of water as against the required 100 cusecs.

At present, Basava Sagar Reservoir holds about 9 tmcft



The Raichur Thermal Power Station requires 1.3 tmcft of water for running its 8 units till June 10.

live storage. The RTPS requires about 1.3 tmcft of water (at the rate of about 100 cusecs) for running its eight units till June 10, by which monsoon is expected to set in. The authorities feel that there should be no water problem if storage of one tmcft is ensured in the Googal barrage for the next few months.

"KBJNL authorities told us that they would provide our quota of water for running RTPS. I hope there will be no water problems," C. Venugopal, executive director of RTPS told The Hindu.

Of the two Units, unit-7, with an installed capacity of 210 MW, resumed operation on Friday, and unit-8, with an installed capacity of 250 MW, is taken up for annual overhauling. Unit-1, which has also been taken up for overhauling, is expected to have resumed operation by Friday evening.

## ILLEGAL SAND EXTRACTION, IRRIGATION

The huge pits caused by massive sand extraction all along the river in the 52-km stretch between Basava Sagar Reservoir near Narayanpur and Googal barrage and also in the 28-km stretch between Googal barrage and RTPS at Shaktinagar, have become a cause of concern for RTPS.

In the absence of these massive pits earlier, water discharged from the reservoir would reach RTPS within 30 hours flowing at the speed of 1 km per hour in summer. Now the flow has slowed down by 100 per cent (at half-a-km per hour) as water fills these pits before flowing further. Once the pits are filled, the speed picks up for further releases.

Illegal drawing of water from the river by farmers for irrigation of unauthorised lands is another issue that needs to be addressed.

Earlier, 70 to 80 per cent of water released from the reservoir used to reach Googal barrage. Now, as the number of illegal irrigation pumpsets along the river banks have increased, only half of the water reaches the barrage.

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They hit a historic low of Rs 4.34 per unit in January after a bid for a 70 MW project in Rajasthan

T. A. SHARAD RAO/ANAS

Low tariff bids for recent solar projects could prove risky for developers as any slight changes in costs could dent operating margins, Tata Power Renewable Energy CEO Rahul Shah told *The Hindu* in an interview.

"A lot of industry people were surprised by the kind of bidding that developers have done. They must have good reasons for it. But I think those bids have very tight assumptions and if any one assumption moves adversely even a little before the commissioning of the project, then it could be a very risky project," Mr. Shah said.

For example, he explained, if developers are banking on the fact that module prices have been falling and so will fall in the future,

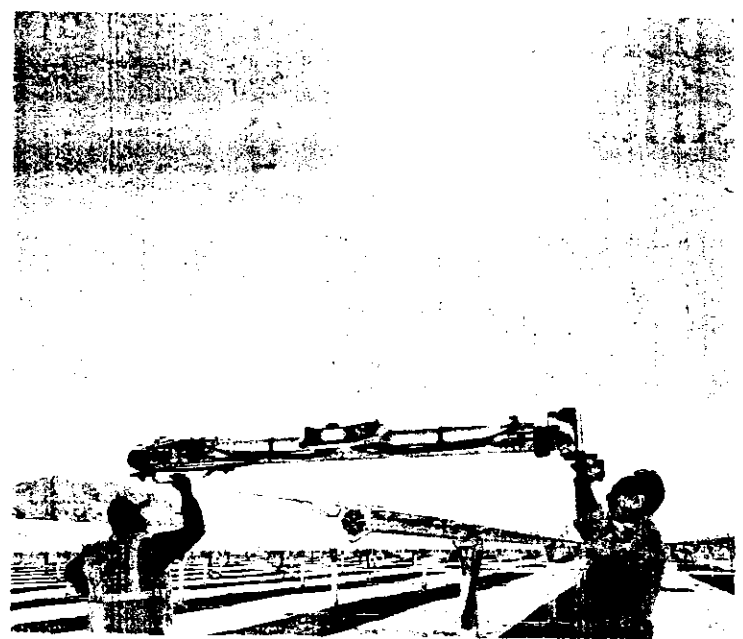
## SUN BURN

then this could work adversely for them since module prices have already started plateauing. Similarly, if the developers have not hedged against the depreciation of the rupee, then that too could render projects

risky.

Solar tariffs hit a historic low of Rs 4.34 per unit in January following the bid for a 70 MW project in Rajasthan by Finnish solar power company Fortum Energy. At the time, many experts said that the tariffs are moving too low and that they would dissuade private lenders from giving loans for solar projects.

"My view is that as long as the plant has been built with good equipment and will last for the entire term of the power purchase agreement (PPA) with minimal downtime, then although the promoter may not make much on their equity, the lender will make money on their loan," Mr. Shah said. "But if the developer cuts corners, then lender may have exposure to risk. In my view, though, lender's exposure is not very high in solar and solar projects don't face the same kinds of input fuel risks as thermal plants do," Mr.



Any slight changes in project costs could dent operating margins, says Tata Power Renewable Energy CEO Rahul Shah (right).

Shah said.

The key to boosting rooftop solar adoption — something that has been sluggish so far — is to make the power distribution companies (discoms) more financially secure, he said.

"The challenge has been that rooftop solar has been viable only for industrial consumers whose power tariffs are on the higher side. It is not viable for residential users at the moment whose tariffs are lower. When commercial and industrial users install rooftop solar, this displaces the electricity they are buying from the discoms. Because they buy less, the discoms are earning less from their highest paying consumers," he said.

At a time when the health of the discoms is so poor, they don't par-

ticularly favour people going for rooftop solar and buying less from the grid, Mr. Shah said, adding that the cure is to improve the financial health of the discoms.

The renewable energy sector in India, though benefiting from the huge push by the NDA government, still needs some incentives — both in policy and in the upcoming Budget — for the sector to take off, Mr. Shah said.

"Unlike thermal or hydro plant, where they have multiple options for the sale of power, solar energy is usually sold to a bulk buyer like a discom. So, by the time the plant is commissioned, the developer needs clarity on the tariffs that will be available, the fact that the discoms will be willing to sign a PPA, and that any incentives that the

government might have for the industry will be available by the time the project is commissioned," he said.

The upcoming Budget must also have a provision for solar equipment to be exempt from value added tax, Mr. Shah said, echoing a view voiced by several industry leaders recently.

At the moment, the country has 34 GW of operating wind capacity and 4 GW of operating solar capacity. Going by the bid processes in the last year, an additional 2 GW should be under construction in each of the sectors.

"The government is giving solar a very big push and I think there will be significant capacity addition in the coming years," Mr. Shah said.

Deccan Herald - 20/2/16 Page no 02

# Bescom starts buying power to meet City's energy needs, this summer

## Govt to hike electricity generation at hydel plants as Karnataka stares at crisis

Bosky Khanna

**BENGALURU:** The Bangalore Electricity Supply Company (Bescom) has started buying power from the Indian Energy Exchange Ltd to address Bengaluru's vast energy needs this summer.

The move comes as Karnataka stares at an imminent power

crisis. Two units of the Raichur Thermal Power Station shut down on Wednesday for scarcity of water. The next day, fire broke out in the Sharavathi hydroelectric power plant in Shivamogga district, stoking fears of decline in power supply.

On Friday, Bescom purchased 100 MW of power from the Indian Energy Exchange and will buy another 100 MW on Saturday. It has purchased 39.18 million units of power since April 1, 2015. Bescom Managing Director Pankaj Kumar Pandey told Deccan Herald that they were doing their best to avert a power crisis in the coming months. The power is being purchased at Rs 1.6 to Rs 3 per unit.

Bengaluru's power demand is 2,500 MW per day, which

Bescom has been able to meet because of the purchases. The whole Bescom circle needs 4,500 MW, another Bescom official said. Bescom gets 1,700-1,900 MW from the central grid with the help of the Karnataka Power Transmission Corporation Limited (KPTCL). More power will be purchased if the need arises, he added.

Karnataka generates 3,000 MW of hydro power. Of this, Bescom's share is 1,500 MW, but the fire at Sharavathi caused a loss of 1,000 MW, said an official in the Energy Department.

Thus, power utilities will have to rely on thermal and wind power. The solar power generation is limited, according to the official. To make up for the shortage, the Energy

Department is increasing power generation at Kadra and Kodasalli dams (both in Uttara Kannada district).

According to the official, only five out of the seven units at the RTPS are functional at any given time. The real setback is the fire at Sharavathi. "This is a temporary situation and will be resolved within a month. By this time, the ongoing tests to generate 800 MW at Yermarus Thermal Power Station and 700 MW at Ballari Thermal Power Station will be completed," he said.

To meet the demand in summer, Bescom will need at least 500 MW from each of the thermal units. KPTCL Director (Transmission) Sumanth S said the situation was not as alarming as previously thought.

# Power shutdown in several East Bengaluru areas

STAFF REPORTER

**BENGALURU:** There will be no power supply from 10 a.m. to 4 p.m. on February 20, 21, 22, and 28 in the areas fed by 220 kV Hoody receiving station to carry out emergency maintenance work.

According to a release from Bescom, the areas to be affected are: H.B.R. 3rd Block, Teachers Colony, Ramdev Garden, Yaseen Nagar, Oil Mill Road, Mangala Layout, Kariyannapalya, K.S.F.C. Layout, Kacharakahalli, Aravindanagar, Lokesh Tent Road, Bharathiyar Road, part of Kammanahalli Main Road, Mayor Shankar Road, Jal Vayu Vihar, H.R.B.R. Layout 2nd, 3rd, 4th and 5th Blocks, Ramaiah Layout, Karma Chandra Layout, Janakiram Layout, Banaswadi Railway Station Road, Sait Palya, Hennur Main Road, Govindapura Main Road, Rashad Nagar, K.G. Halli, Govindapura village, Yasin Nagar, Nagawara Main Road, Byrankunte, Kuppuswamy Layout, Vidyasagar, Thanisandra, Ramakrishna



Hegde Nagar, K. Narayanpura, N.N. Halli, Balaji Layout Phases 1 to 3, Railway Men's Layout,

BDS Layout, Central Exchange Layout, Sirdi Sai Ratan Layout, Balaji Krupa Layout, Noor Nagar, N. Nagenahalli, Shabari Nagar, Old Byappanahalli, Tank Well Road, Osborne Road, St. John's Road, Rukmini Colony, Annaswamy Mudaliar Road, Osborne Road 1st Cross, Kodanda Rama Layout, Narayan Reddy Colony, ITI Layout, S.K. Garden, Chinnappa Garden, Muddamma Garden, Krishnamma Garden, N.D. Road, Cox Town, Dodhi Gunta, Wheeler Road, Buddha Vihar Road, Sunder Murthy Road, Hynes Road, Spencer Road, Netaji Road, Coles Road, Masjid Street, B.S.A. Road, M.C. Colony, G.K. Colony 3rd Stage, Pillanna Garden, Post Office Road, Arokyamma Layout, B.M. Layout, Lazar Road,

Davis Road, Spencer Road, Basavanagar, Seetharam Palya, R.H.B. Colony, Lakshmisagara, Saraswathinagar, Maheshwarinagar, Mahadevapura, Bande Ramagondanahalli, Varthur Gunjur, Balagere Road, Kachamara-nahalli, BEML Layout, EPIP Phases 1, 2 and 3, Whitefield, Madhuranagar 1st, 2nd and 3rd Stages, Janata Colony, Sid-darth Layout, Muneshwara Block, Devanagudi, Hoskote limits, Kadugodi, Belthur Colony, Kumbena Agrahara, Channasandra, Seege Halli, Kannamangala, Doddabana-halli, Kage Somenahalli, Maithri Layout, Gandhipura, Vijayanagar, Ambedkarnaga-ra, Immadihalli, Nagondan-halli, Whitefield Main Road, Indiranagar 1st Stage, HAL 2nd Stage, Ulsoor, Old Ma-dras Road, Benniganahalli, A. Narayanapura, B. Narayanap-ura, Kaggadasapura, Akash Nagar, Pai Layout, Byrasan-dra, C.V. Raman Nagar, East of N.G.E.F. Layout, Sadananga-nagar, Kasturinagar, Bhuvan-eshwarinagar, Hoysalanagar among other areas.

## Sharavathi fire: Production will resume soon

**Bengaluru:** A day after a blaze crippled production at the Sharavathi hydropower station at Linganamakki, the main source of power supply to the state grid, a high-level team of officials led by energy minister DK Shiva Kumar reviewed the incident on Friday and said full-fledged production at the plant would resume in a month.

The team concluded that a short circuit caused the fire which completely damaged the control room and losses have been pegged at over Rs 100 crore. "The power situation in the state is likely to be affected for some time," officials added. Repairing the damaged machinery will be a costly affair. Assembly speaker Kagodu Thimmappa too visited the power station and met senior officials.

According to officials, the incident happened just after the first shift ended in the evening. TNN