	21-02-2018	% CHANGE
Sensex	33,845	0.42
US Dollar	64.76	0.04
Gold	31,450	-0.78
Brent oil	65.06	-0.15

NIFTY 50		
		CHANGE
Adani Ports		
Ambuja Cements		
Asian Paints	1127.20	0.80
Aurobindo Pharma.	571.00	-3.80
Axis Bank		
Bajaj Auto	3012.60	37.25
Bajaj Finance	1596.45.	42.30
Bharti Airtel	419.65	1.55
Bosch	19160.05	238.00
BPCL	447.55.	-5.50
Cipla	597.25	-6.20
Coal India	310.55	0.15
Dr Reddys Lab	2165.90	2.25
Eicher Motors	27365.75.	449.35
GAIL (India)		
HCL Tech		
HDFC		
HDFC Bank		
Hero MotoCorp		
Hindalco		
HPCL		
Hind Unilever		
Indiabulls HFL		
ICICI Bank		
IndusInd Bank		
Bharti Infratel		
Infosys		
Indian OilCorp		
ITC		
Kotak Bank		
L&T		
Lupin		
M&M		
Maurti Suzuki		
NTPC		
ONGC		
PowerGrid Corp		
Reliance Ind		
State Bank		
Sun Pharma		
Tata Motors		
Tata Steel		
TCS		
Tech Mahindra		
UltraTech Cement		
UPL		
Vedanta	327.60.	-1.10
Wipro	292.20	0.75
YES Bank		
Zee Entertainment	573.10	2.35

#### ..79.94 Japanese Yen (100). ... 60.08. ..60.38 Swiss Franc . 68.89. ..69.24 Singapore Dolla

Canadian Dollar.

February 21 rates in rupees with pre 41.3....(41.4) 2912...(2927)

## Given the distributed ledger technology's potential to improve monitoring, SBI has adopted it in its reconciliation systems, payment gateways

NEW DELHI

TCA SHARAD RAGHAVAN

The adoption of blockchain by India's banks could help avert frauds such as the one at Punjab National Bank as the disaggregated and transparent nature of the technology, which updates information across all users simultaneously, would have ensured that various officials would have instantly been alerted to the creation of the of undertaking (LoUs), according to bankers and blockchain specialists.

## 'Immediate notification'

"Transaction reconciliation systems at present do not result in immediate notification," Mrutyunjay Mahapatra, Deputy Managing Director and Chief Information Officer at State Bank of India, told The Hindu. "Using blockchain, all parties on the chain will be immediately notified transaction."

Blockchain, a distributed ledger technology originally developed as an accounting system for the cryptocurrency Bitcoin, is being researched across the banking and financial services industries for the potential benefits it may offer in an increasdigitised business environment.

Central banks including the U.S. Federal Reserve and the Reserve Bank of India have been examining the technology to understand the regulatory challenges it

"Blockchain potentially has far-reaching implications for the financial sector, and



Many eyes: All parties on the chain will be immediately alerted about a transaction, says SBI's Mahapatra. • GETTY IMAGES/ISTOCK

this is prompting more and more banks, insurers and other financial institutions to invest in research into potential applications of this technology," the RBI's Working Group on FinTech and Digital Banking said in a report. "Market participants in other

securities markets are exploring the usage of blockchain or distributed database technology to provide various services such as clearing and settlement, trading," the report noted. "Indian securities market may also see such develop-

Blockchain tech could help prevent frauds like at PNB

ments in the near future and, therefore, there is a need to understand the benefits, risks and challenges such developments may pose."

### **Implementation at SBI**

SBI was convinced of blockchain's utility, especially its potential to improve internal fraud monitoring, and had already implemented it in its reconciliation systems and in several cross-country payment gateways, according to Mr. Mahapatra. "In blockchain, from the source system it will try to match the transactions, so one can immediately verify any transaction using blockchain."

Suveer Kumar Gupta, CEO of Shivalik Mercantile Cooperative Bank said blockchain would ensure easy tracking of entries."If the LoUs were

on the blockhain, then they would have been there for everybody to see, and every entry into the chain leaves a clear record of who made that entry, and where."

Blockchains, Mr Gupta explained, are immutable and distributed ledgers, which means that anything recorded on them cannot be changed or deleted, and is instantly uploaded to all users on that blockchain.

"If my bank wants to lend to a borrower, I need to know what all he has borrowed from other institutions as well. For that, we have the CIBIL score at present, but that data is prone to human

However, Mr. Mahapatra pointed out that simply depending on technology to prevent frauds is fraught, human level, where an official with the correct authentication can misuse the system.

"The modus operandi of the fraud as it appears right now is that somebody used all the authentication methods and it was compromised at the user level," Mr. Mahapatra said. "If that is the case, then any technology can be hoodwinked. Here, what was given into the system is not in doubt, the one who gave it into the system is in doubt."

Still, blockchain's technology is such that even human error can be greatly mitigated, Kartik Mandaville, CEO of SpringRole, a blockchain solutions company said. "Blockchain can fix this by having everything linked to the same database."

# RBI: inflation could spur shift in stance

Above target inflation projection could see a 'withdrawal of accommodation'

SPECIAL CORRESPONDENT

The Monetary Policy Committee of the Reserve Bank of India (RBI) could shift from its current 'neutral' policy stance to a 'withdrawal of accommodation' stance if headline inflation projection for the year ahead remained well above the target, the minutes of the central bank's interest rate setting panel's last meeting show.

'Coming months key'

"The next few months of inflation and growth data will be key to determining the evolution of policy rates," Viral Acharya, Deputy Governor, RBI, who oversees the monetary policy department was cited as having



On watch: With economic recovery at a nascent stage, a cautious approach is needed, says Dr. Patel. • PAUL NORONHA

said at the two-day meet of the MPC earlier this month. The meeting's minutes were released by the RBI on Wednesday. "If growth remains robust and inflation prints continue to project headline inflation a year ahead well above the target, then a

change in stance from "neutral" to "withdrawal of accommodation" might have

to be considered," he added. RBI, which has a mandate with keep retail inflation between 2% and 6%, decided at its sixth bimonthly policy reinterest rates unchanged, while maintaining a neutral

While five MPC members voted to preserve the status quo, one of them recommended a 25 basis points rate increase.

RBI Governor Urjit Patel observed that consumer price inflation – the main yardstick to determine policy rates – had accelerated for a six consecutive month in December and said inflation was getting generalised with rising input prices. "Inflation expectations have remained elevated," Dr. Patel was cited as having said.

Dr. Patel also said that since the economic recovery was at a nascent stage, a cautious approach was needed

## It's business as usual: PNB to customers

PRESS TRUST OF INDIA

Punjab National Bank has assured investors and customers that it has a strong sovereign backing and adequate capital to deal with the situation in the aftermath of the scam.

"We assure you that in your bank, it is business as usual," PNB tweeted. The lender has dismissed media reports that it has imposed restrictions on withdrawals. "Be rest assured we have a strong sovereign backing. The strengths of the bank are the brand image with rich 123 years of existence, strong CASA base, stable asset quality and increased pace of digitisation."

## 'NITI Aayog preparing new list of sick PSUs'

Four lists submitted so far, says Kant

SPECIAL CORRESPONDENT NEW DELHI

NITI Aayog is working on a new list of sick and lossmaking Public Sector Units (PSUs) that could be privatised, said CEO Amitabh Kant.

"NITI Aayog has already given recommendations with regard to strategic disinvestment of 40 PSUs. Department of Investment and Public Asset Management (DIPAM) is working on it and the process is in an advanced stage," Mr. Kant said on Wednesday.

He added that the Aayog had already prepared and given four lists of such PSUs and was "working on the fifth list."

The government has set a target of ₹80,000 crore from disinvestment proceeds in 2018-19.

#### Stake sales

In the current fiscal, the government has earned more than ₹1 lakh crore from stake sales in public sector firms, as against the Budget estimate of ₹72,500 crore in 2017-18 for the disinvestment process. Minister of State for Planning Rao Inderjit Singh, who was also present at the conference, pointed out that the Budget allocation for NITI Aayog had been increased by more than 20% to ₹339.65 crore in 2018-19 from ₹279.79 crore in 2017-18.

## 'Fortis flouted norms in deploying ₹473 cr.'

Firm bypassed shareholders: Ingovern

K.T.JAGANNATHAN

Fortis Healthcare Ltd. may have set a bad precedent in these funds and when the cording to Ingovern, a proxy advisory company.

Citing the deployment of ₹473 crore with companies that have subsequently become part of the promoterowned firms, Ingovern questioned Fortis for bypassing shareholders.

Fortis deployed the funds to a wholly-owned subsidiary, which, in turn, lent them to entities which have subsequently become a part of the promoter group.

## 'Blatant fraud'

"This seems to be blatant fraud," said Ingovern. "The company's subsidi-

ary has conveniently given loans to related parties without seeking shareholders'

approval and regulatory filings," the proxy firm said.

At the time of deploying entities, Fortis did not inform the stock exchanges, Ingovern said.

exchanges on February 9 that Fortis Hospital, a wholly-owned subsidiary, "has deployed funds in secured short-term investments with companies in normal course of treasury operations. These entities have become part of the promoter group due to a shareholding change in those entities.'

The same loans had subsequently been recognised as related party transactions in compliance with the necessary regulatory requirements, the company further informed the bourses.

## 'Only M2M SIMs to have 13-digit numbers'

Align systems before July 1, telcos told

SPECIAL CORRESPONDENT

Starting July 1, all SIM-based M2M (machine-to-machine) communication devices will carry a 13-digit number, instead of the 10-digit number now. However, this is applic-Fortis had informed stock able only to numbers used by machines to communicate with other machines and not normal retail mobile numbers.

According to a letter that BSNL had sent to its hardware vendors ZTE and Nokia, the Department of Telecommunications, in a meeting on January 8 this year, decided that the 13-digit numbering scheme be implemented for M2M communication.

The DoT had asked all telecom service providers to ensure that their network elements, including IT and other relevant systems, are



Fret not: Normal subscribers will not be impacted by the move. • NISSAR AHMAD

aligned with the 13-digit

numbering for M2M SIMs before July 1, 2018. Deadline set

BSNL said migration of ex-

isting M2M numbers, which have 10 digits as in the case of regular mobile phone numbers, to 13-digit numbers, will start from October 1, 2018 and will be completed by December 31, 2018.

# Open Tender Notice (E-Procurement Mode only)

Display and Sale of Tender Documents Submission of Tender through online HQMM/7004-17/ HQMM/7003-17 Supply, transportation Bentonite/238 dt. 20.02.2018 loading, unloading of 5000 MT Bentonite

Government of Kerala

Window Notiped 18/e 140 • Tender No. R-196/2018 • Divisional Forest Officer, Timber Sales Division, Kozhikode, Vanasree, Mathottom, Arackinar Parappa, Kannoth, Kuppady and Bavali dumping depots coming under Kozhikode Forest Division on 5/3, 9/3 & 14/3/2018 • PAC: 3.50 Crore •

dc.co.in only and will not be published in newspapers. Prospective bidders ma visit the NMDC website from time to time to note the compa

POST BAG No. 1783, BANGALORE- 560017, INDIA

NOTICE FOR INVITING TENDER

(i brit) mines eles les eles elles e			
SI. No.	Tender No.	Description	
1.	RC/IMM/A/S/RT1/8422LRU/8/2	AUTOMATIC IDENTIFICATION SYSTEM	
2.	RC/IMM/TCAS1/RT1/8422LRU/12/2	TRAFFIC ALERT AND COLLISION AVOIDANCE SYSTEM (TCAS 1)	
3.	RC/IMM/HISL/RT2/8422LRU/16/3	HIGH INTENSITY SEARCH LIGHT	
4.	RC/IMM/LR/8422LRU/25/1	LIFE RAFT	
5.	RC/IMM/PLB/8422LRU/20/1	PERSONAL LOCATOR BEACON (PLB)	
6.	RC/IMM/LJ/8422LRU/23/1	LIFE JACKET	
7.	RC/IMM/8422LRU/24/1	PORTABLE EMERGENCY LOCATOR	

to download complete tender documents and guidelines for participation in e-tender. The las date for submission of bids for above tender is mentioned in the respective Tender document. Note: Bidders are advised to visit HAL, website/e-procurement portal till the closing date or tender as all future configendum with regard to above tender, if any, will be hosted only in HAL's website/e-Procurement portal and not through any other mode. कृपया देखें: निविदा आमंत्रण हेतु जल्लेका सूचना हिन्दी में भी एथ ए एल वेबलाइट (www.hal-india-com के निविदा वर्ग के अंतर्गत जपलब्ध हैं।

Sd/- Deputy General Manager (IMM) RC

#### Project Management Consultancy Services EXPRESSION OF INTEREST (EoI) 19.02.2018

a loan from IBRD towards cost of Kerala State Transport Project -II (KSTP-II), and intends to apply a portion of the loan for eligible payments for this assignment.

The KSTP – Il include upgrading of road sections of 363 km under Item Rate Contract (A1) and modified Annuity arrangements (A2), Road Safety Management (B) and

qualification and relevant experience, turnover, brochures, description of simila assignments, experience in similar conditions, availability of appropriate skills among staff, etc. The Consultancy firms will be selected in accordance with the procedures se out in the World Bank's Guidelines: Selection and Employment of Consultants by World Bank Borrowers, January 2011. Please note that the firms earlier applied for this consultancy services against

notification dated 3.12.2017 need not apply.

Sd/- PROJECT DIRECTOR

## KERALA WATER AUTHORITY

Tender No: 24,25,26/SE/PHC/TSR/2017-18. AMRUT- Strengthening Distribution system for Thrissur Corporation – Replacement of old AC pipes and Premo pipes by supplying, laying, testing and commissioning of DI K9 pipe and PVC pipes, 8. WSS to Gurusyur Municipality – Supply, laying, testing and commissioning various dia DI K9 pipe and PVC pipe for distribution network, Zoning and mapping of WSS of Thrissur Corporation – Supply, laying, testing and commissioning various dia DI K9 and FVC pipes in Zone III, IV, VI, VIII . EMD: Rs. 2,00,000, 5,00,000, 2,00,000. Form Price: Rs. 11,200, 16,800, 11,200. Last Date for submitting Tender: 17-03-2018 03:00:pm, Phone: 0487-2423330 Website: vwww.kwa.kerala.copuin

## KARNATAKA POWER CIN: U85110KA1970SGC001919

No. CEED/EE6/MBDPH/R&M/Prot./3663(A) Date: 15.02.2018 NOTICE INVITING TENDER (Two Cover System) (Through e-Procurement Portal only)
Bids are invited in English from the qualified bidders for "Supply

Erection, Testing and Commissioning of Distributed Control & Protection System for 3 Generating Units, plant SCADA and Energy Management system including dismantling of existing equipments and cables for Munirabad Dam Power House". The details of NIT and brief bid notification can also be seen on KPCI

website: www.karnatakapower.com and http://eproc.karnataka gov.in. Tender documents may be downloaded from Gok procurement website http://eproc.karnataka.gov.in under login for Contractors. The bid documents can be downloaded from -procurement web from 15.02.2018. Further details can be had from he office of the Chief Engineer(Electrical Designs) KPCL, 22/23 Sudarshan Complex, III Floor, Sheshadri Road, Bangalore - 560 009. Telephone No.: 080-22202950-54 / 22202654. Fax No.: 080-22202916. Website: www.karnatakapower.com, E-mail: eced@karnatakapower.com



## NLC India Limited

INTERNATIONAL COMPETITIVE BIDDING **BRIEF NOTICE INVITING EXPRESSION OF INTEREST (EOI)** 

Sealed Expression of Interest (EOI) and documentary evidence: in One Original and Ten Identical Copies for meeting the Qualifying Requirements from eligible bidders are invited by NLC India Limited, Neyveli, for SUPPLY AND INSTALLATION OF TWO NUMBERS OF FLUE GAS DESULPHURISATION SYSTEM (SE-4 PACKAGE) FOR 2X660 MW LIGNITE BASED SUPER CRITICAL STEAM GENERATORS TO BE LOCATED IN NEYVELI, CUDDALORE DISTRICT, TAMIL NADU.

The detailed Notice Inviting Expression of Interest containing Qualifying Requirements, Brief Scope of Work, etc. has been posted in our Website: www.nlcindia.com and Central Public Procurement Portal (CPPP) and the same can be downloaded from 23.02.2018 onwards. Interested Bidders shall submit EOI documents in English establishing details such as Qualifying Requirements as stipulated in

the Expression of Interest, in sealed covers Tender No. CO CONTS/0004G / TPS-II 2nd Expn / SE-4 / FGD / 2018

Dt. 19.02.2018 Participation Fee: ₹50,000/- or US\$ 782 or Euro 624

17.04.2018 Up to 14.30 Hrs. (IST submission of EOI Documents  $\sf J$ Date & Time of EOI Documents Opening: 17.04.2018 At 15.00 Hrs. (IST

For any clarification, please contact The Chief General Manager Contracts, Corporate Contracts Division, NLC India Ltd. Corporate Office, Block - 1, Neyveli - 607 801, Cuddalore District, Tamil Nadu, India. (Phone: 04142 - 252210 & 251620 Fax: 04142 252026 / 252645 / 252646). e-mail: gmconts\_co@nlcindia.com gmconts@gmail.com/gmconts\_co@rediffmail.com

NOTICE INVITING TENDERS FOR SUPPLIES Scope of supplies & Qty.reqd

UNIT:M.M.COMPLEX: e-Tender Notice: ENQ / 17-18 / 004426 MM02(08) dt.16.02.2018: Skirt Belt-1600 mm wide, 2 ply, top cove thickness 10 mm, bottom cover thickness 3mm. Qty.: 1950 Mtrs.

Due date of opening: 14.03.2018 FOR e-TENDER DOCUMENTS/ DETAILS/CORRIGENDUM VISIT:www. PUBLIC SECTOR IS YOURS : HELP IT TO HELP YOU

based Liberty House to acquire Bhushan Power and Steel Ltd., leaving Tata Steel and JSW Steel in the race for taking over the assets of the bankrupt firm, a source said. "Committee of Creditors (CoC) in a meeting today [Wednesday] has rejected the bids of Liberty House (of the U.K.) because the company submitted the bids after the last date of submission date which was

The Committee of Creditors

has rejected the bid of U.K.-

Liberty House had submitted the bid on Tuesday, he said. At the CoC meeting, the bids of Tata Steel and JSW Steel were disclosed and now the process as well as le-

February 8," a source privy

to the development said.



Creditors committee rejects Liberty House

Cites delay in submission; Tata, JSW offer ₹17,000 cr. and ₹11,000 cr. respectively

bid to acquire Bhushan Power and Steel

crore to its lenders. ■ REUTERS

The detailed terms and conditions of the bids were disclosed to the lenders at the meeting, the source said.

Bhushan Power and Steel

owes about ₹45,000 crore to

gal advisers evaluate them,

the source said.

its lenders. When contacted, Resolution Professional (RP) Mahender Kumar Khandelwal declined to comment on the developments.

The source said that while Tata Steel offered ₹17,000 crore to the lenders as upcrore for operations of Bhushan, JSW made an offer of ₹11,000 crore to the lenders and ₹2,000 crore for the operations of the beleaguered power firm. **Meeting on March 6** 

front amount and ₹7,200

The CoC will meet on March 6 to take the process forward, including declaration

of the highest bidder.

Bhushan Steel and Power was among the 12 non-performing accounts referred RBI for proceedings.

The insolvency process

was filed by SBI, the lead bank of the consortium of lenders, in the case of Bhushan Steel, while a similar plea was filed by Punjab National Bank against Bhushan Power and Steel.

t can be downloade

HINDUSTAN AERONAUTICS LIMITED

Rotary Wing Research & Design Centre (RWR&DC), Hindustan Aeronautics Limite (MAL) invites bids for the following requirement through HAL's e-programment nortal

Please visit http://eproc.hal-india.com or link to e-Procurement through www.hal-india.com

# KERALA STATE TRANSPORT PROJECT- II (KSTP - II)

The Government of Kerala (GoK) through Government of India (GoI) had obtained Institutional Strengthening (C).
The Project Director, Project Management Team, KSTP invites eligible Consultance

The firms must provide information demonstrating that they have the require

The details of the assignment are available in the webpage (shortened URL) of KSTF PWD: https://igoo.gl/WUs91j Expression of interest must be delivered to the addres

Project Director, Sree Bala Building, Keston Road, Kowdiar P.O, Thiruvananthapuram 695 003., Kerala, India. Tel: 0471-2318985/8946, www.keralapwd.gov.in