

# Solar Tariffs Set to Reach a Record Low with Reserve Price at ₹4/kWh

**Kaavya.Chandrasekaran**  
@timesgroup.com

**ASHVINI KUMAR**  
MD, SECI

**New Delhi:** Solar tariffs are set to reach a record low with the Solar Corporation of India's latest tender, which sets the reserve price at ₹4 per kWh.

SECI has invited online bids for setting up projects with capacity of 750 MW at the Bhadla Solar Park in Rajasthan's Jodhpur district — 500 MW in Bhadla Phase III and 250 MW in Bhadla Phase IV — as part of the second phase of the Jawaharlal Nehru National Solar Mission.

Bhadla has the highest solar radiation in the country and thereby can generate power at the cheapest cost.

We want tariffs to go lower, so that states show more interest in solar energy

So far, the lowest bid had been ₹4.34 per kWh, offered by Finnish major Fortum Finsbury to set up a 70 MW plant at Bhadla in an NTPC-conducted auction in January this year. In a number of subsequent auctions, SECI had set the reserve price at ₹4.35 per kWh. The latest reserve price thus indicates a steep reduction. "We want tariffs to go lower,

so that states show more interest in solar energy," said SECI Managing Director Ashvini Kumar.

State discoms have often shown reluctance in buying solar and other forms of renewable power, since power from conventional thermal sources is cheaper. But a rate of ₹4 per kWh competes very well with that of new coal.

It remains to be seen, however, how solar developers, who have already been complaining about falling solar tariffs affecting their margins, respond to the new reserve price.

As in earlier auctions, the government will provide viability gap funding as well, but projects will go to those seeking the lowest VGF.

# Stock Piles Up with Coal India as 15 Power Plants Didn't Lift Fuel

**Debjoy.Sengupta**@timesgroup.com

**Kolkata:** As many as 15 power plants did not lift any coal from Coal India in September, foregoing the 2.6 million tonnes of stock they were supposed to lift from the state-run monopoly miner and resulting in thermal power plants across the country receiving delivery of only 80% of the coal allotted to them during the month.

This in turn reduced stocks at various power plants, specially the ones near coal mines. A number of them did not lift their full quota of coal despite stocks falling down to five days, or critical stock position, according to Central Electricity Authority's definition.

Plants in Gujarat, Rajasthan, Madhya Pradesh, Haryana and Punjab have not been lifting their full quota for several months in a row although their stocks have dwindled to five days in some cases.

Coal India officials said power producers, both near and away from coal mines, are not lifting their full quota of coal each month because they are now assured of railway rakes and coal availability whenever required, unlike in the past when availability of both were uncertain for major part of the year. "While coal can be available on credit from Coal India, power producers need to pay upfront to the railways. With assured supply of coal whenever required, power producers are not interested in blocking their money by way of stocking large volumes of coal as stipulated by the Central Electricity Authority," a senior coal ministry official said.

At the time when coal and rakes were not available freely, the Central Electricity Authority had stipulated that all power stations stock coal that would support generation for 15 days in a row. 'Critical' and 'super critical' stocks were also defined at that time. As per the definition a pit head plant would be marked with critical stock position if its stocks fell below five days and less than three days would be super critical. For non-pit head plants, critical stocks would be less than seven days and super critical would be less than four days.

# 'Sustainable Price of Gas is Needed to Achieve the Goal'

**ET Q&A**

**ONGC Chairman Dinesh K Sarraf** said the country

will start producing oil from a new basin in western India in two years, a major step forward for company. In an interview with **ET's Sanjeev Choudhary and Himangshu Watts**, Sarraf said he does not mind if the government puts in place regulations to protect the interests of certain gas consumers, but on the whole, the sector should be free from price controls. Excerpts:

**You have spent two-and-a-half years as the head of ONGC. You have a year left. What would you like your successor to remember you?**

First thing that was done (under me) was a different type of focus on exploration. The processes for the release of exploration locations — we made it multi-layered, it will take more time, but is always better to get everyone's input. We got the result from this because the success rate of the company has increased, the commercial benefit from exploration increased. And then (we) focused on certain area for exploration that we wanted to nurture. For example, we identified Kutch, Saurashtra. After early 80s, no new basin has come into production in India. The type of exploratory efforts that we have seen in Saurashtra, we feel that this will become a producing basin in the next 2 years.

**In a recent interview to ET, the oil minister expressed concern about ONGC, saying the company needed handholding.**

As company, we should be thankful to the government for how much they have done for the industry in the past two and a half years. They (government) are the major shareholders with 69% and if they are pointing out certain weaknesses to us, there is nothing wrong in that.

**What do you expect the government to do for you?**  
First, take the cess. It was ₹4,500 per



PHOTO: GETTY IMAGES

tonne, it worked to about \$9. And we wanted some reduction because crude oil prices had come down. This ₹4,500 was (when crude was) at \$100-120 also. So we wanted this to be scaled down to a percentage of the crude price. We suggested it could be 8-10%. They accepted the first thing that it would be percentage, but put the percentage at 20, meaning that when prices go beyond \$45-50, it starts hitting us back. So the government can help not just ONGC but also the industry by reducing the ad-valorem cess rate.

From November 2014, gas price was linked to certain markets globally, now, markets are, after all markets, and they are dynamic. And the price we get today is \$2.5 only. So we believe that government needs to reconsider this because the new exploration, development can be encouraged if prices are better. So we have taken up the matter with the government. There is no doubt that they would consider this aspect also at an appropriate time.

**You want a different formula or a floor price?**

Ultimately, we want higher dollars. Whether it is a formula or a price, they will decide. But as far as we are concerned, we want a sustainable price of gas so that more and more work can be done towards the goal, which the honourable prime minister has put

before us. And now we are making the case before the government that the gas prices could be deregulated. But again, the government's concern would be how to protect consumer interest. And some regulatory mechanism can be put in place to protect the interest of the consumers.

**Now that Shah Panel has submitted its report. Is the company now out of this, leaving the ball in the court of government?**

It has been established in the Shah Committee report by the technical study of D&M that gas did migrate. The migrated gas has been produced. Now the second aspect, whether we get the money from this or government gets the money, I think is a secondary question from my perspective.

**You are the biggest shareholder in Panna Mukta Tapti fields and companies suffered a big loss in arbitration. What would its financially impact ONGC?**

We are not party to the arbitration. Until we see the judgment formally, we won't be able to comment.

**Production at Vankor field in Russia, where ONGC and other state firms have invested, has fallen from 440,000 barrels per day to 410,000 bpd in about a year. How is the production curve moving?**

This is the nature of the oil field. When we bought this, this was almost at the peak. All these things (the decline rate etc) have been factored into valuation. Even if more investment were needed (to raise output), it's not going to be a significant investment. And these can be done out of the revenue of the field. The production would decline, but decline rate is gentle.

**HINDUSTAN PETROLEUM CORPORATION LIMITED**  
(A Govt. of India Enterprise)

MUMBAI REFINERY, P.O. BOX No. 19920, B.D. PATIL MARG, MAHULI, MUMBAI - 400074, India. CIN: L23201MH1952GQ008858  
TEL: 022-2607 6453 / 7006, FAX: 022-2654 2698

**GLOBAL NOTICE INVITING E-TENDER**

Digitally signed & encrypted bids are invited under two bids system (Part-I: EMD, Integrity Pact & Technical-commercial and Part-II: Price bid) at e-tender website <https://etender.hpcil.co.in> for Mumbai Refinery from competent bidders meeting the pre-qualifying conditions as mentioned in the detailed NIT for following e-tender:

S/N	TENDER NO.	DESCRIPTION OF JOB	DUE DATE
1	16000171-HD-48009	Wireless Radar Gauging System	23.11.2016 @ 13.30 Hrs

Please visit our websites [www.hindustanpetroleum.com](http://www.hindustanpetroleum.com) and <https://etender.hpcil.co.in> for viewing the detailed NIT, Tender Document, All revisions, clarifications, corrigenda, addenda, extension of due date etc. to the tender will be hosted on the above mentioned websites. Bidders should regularly visit the above mentioned websites to keep themselves updated.  
DGM - CPO (Ref.)

**NUMALIGARH REFINERY LIMITED**  
(A Government of India Enterprise)  
REFINERY DIVISION  
**E-AUCTION NOTICE**

**E-Auction Material - Disposal of Hydrogen Unit Reformer Catalyst Tube**

**E-Auction Date : 24.11.2016**

Auction Website : <https://nrl.procureitger.com>, Email : [imtiyaz@procureitger.com](mailto:imtiyaz@procureitger.com), Ph.: 079-40016886/67/52/14/79

For details of e-auction, please visit our websites [www.nrl.co.in](http://www.nrl.co.in) and go to tender room for details. **NRL Contact No. 03776-265562, Email : [pankaj.salkia@nrl.co.in](mailto:pankaj.salkia@nrl.co.in)**

For all tenders upto Rupees Five Lakhs, and details of tender and subsequent corrigendum, addendum (if any), please look for details in the website [www.nrl.co.in/www.tenders.gov.in](http://www.nrl.co.in/www.tenders.gov.in)

**ALL INDIA COUNCIL FOR TECHNICAL EDUCATION**  
(A Statutory Body of the Government of India)  
Nelson Mandela Marg, Vasant Kunj, New Delhi-110 067  
Website: [www.aicte-india.org](http://www.aicte-india.org)  
E-mail: [tenderswayam@aicte-india.org](mailto:tenderswayam@aicte-india.org)

NO: 40-14/AICTE/SWAYAM/RFP/CLOUD/2016 Date: 10<sup>th</sup> November, 2016

**OPEN TENDER NOTICE**

AICTE invites Sealed Bids for Selection of **Managed Service Provider (MSP)/Cloud Service Provider (CSP)** for providing Cloud Services for hosting MOOCs application for AICTE-SWAYAM Project. Tender Document is available on AICTE's Website <http://www.aicte-india.org> and <https://eprocure.gov.in/eprocure/app>. The Tender Document can be downloaded upto 2<sup>nd</sup> December, 2016 till 12.00 PM. Bidders are required to pay necessary Tender Fee for participation in the bid.

Last date for receipt of Tender Documents is 2<sup>nd</sup> December, 2016 at 1.00 PM.

Advt No. SWAYAM/11(01)2016 **MEMBER SECRETARY**

**Chhattisgarh State Industrial Development Corporation Limited**  
(A Government of Chhattisgarh Undertaking)  
1st Floor, Udyog Bhawan, Ring Road No.1, Telibandha, Raipur 492006 (CG)  
Phone : 0771-6002071-73, Fax: 0771-2583794  
Website : [www.csidc.in](http://www.csidc.in), Email address: [invest-chhattisgarh@gov.in](mailto:invest-chhattisgarh@gov.in)

**Invitation for Request for Proposal (RFP), 2<sup>nd</sup> Call**

**for selection of Feasibility cum Transaction advisor for development of Chhattisgarh Trade Centre in Naya Raipur, Chhattisgarh on PPP mode**

Chhattisgarh State Industrial Development Corporation (CSIDC), Government of Chhattisgarh, is developing Chhattisgarh trade centre, a convention and exposition centre, in an area of 100 acre in Naya Raipur on PPP Mode. CSIDC invites proposals from Entities, Organization fulfilling relevant qualification criteria as mentioned in the revised RFP document

**RFP Submission:**  
The RFP document including formats can be downloaded from [www.csidc.in/RFP2CTC.pdf](http://www.csidc.in/RFP2CTC.pdf) from November 9, 2016 onwards.

Last date and time for submission of Proposals: 15:00 hrs on December 1, 2016.

For any queries, the bidders can send e-mail to: [csidc\\_raipur@yahoo.com](mailto:csidc_raipur@yahoo.com) **Managing Director**

**NOTIFICATION FOR THE SELECTION OF MARKETING/ADVERTISING AGENCIES**

Kerala Tourism has been a pioneer in tourism marketing and advertising in India and has emerged as India's Tourism Superbrand. Kerala Tourism is readying itself for the next leap in tourism and is looking for well established, professional agencies to partner with it in its various marketing and promotional activities.

**Category-1: Global Branding and Promotion Agency**  
The Branding and Promotion Agency will be the lead Agency responsible for Kerala Tourism's brand image, creative platform/interpretations in different media/markets and trade relations in international markets. The Agency will have to develop effective marketing and creative strategies and ensure timely execution to stay ahead of the competition as well as leverage tourism seasons and attract more tourists to the state.

Agencies with a standing of minimum 5 years and with a minimum turnover of Rs. 10 crores each in the last 3 financial years and with at least one national client/brand in the client portfolio and with more than Rs. 3 crores worth of billing from one client and with an office in Kerala or ready to start an office in Kerala on selection can apply in this category.

**Category-2: National Trade Marketing Agency**  
The National Trade Marketing Agency will be responsible for managing tourism trade relations and reachout with the trade in markets within India. The Agency will have to coordinate, design and set up Stands for Kerala Tourism's participation in Domestic Tourism Trade Fairs and organise National Trade B2B Meets based on market studies to ensure that Kerala stays as the leading domestic destination in India.

Agencies with a standing of minimum 5 years and with a minimum turnover of Rs. 5 crores each in the last 3 financial years and with at least one national client/brand in the client portfolio and with more than Rs. 1 crore worth of billing from one client and with an office in Kerala or ready to start an office in Kerala on selection can apply in this category.

**Category-3: Local Events and Advertising Agency**  
The Agency will be responsible for handling local events and advertising for the Department's activities within the state. The Agency will have to design and produce invitation cards, banners and boards and provide logistical support like stage set-up, backdrops etc. for the events and activities within the state like Onam Celebrations, State Tourism Awards etc. and for reprinting of brochures and flyers.

Agencies with a standing of minimum 3 years and with a minimum turnover of Rs. 2 crores each in the last 3 financial years and with an office in Kerala can apply in this category.

Agencies who qualify the above eligibility criteria may apply with documentary proofs for pre-qualification. Shortlisted Agencies will be called for the Pre-bid Meeting and intimated the date of presentation before the Screening Committee. Details of pre-qualification criteria, supporting documents, scope of services and evaluation criteria can be had from [www.keralatourism.gov.in/empamentment.php](http://www.keralatourism.gov.in/empamentment.php)

Interested agencies may apply with documentary proofs to The Director, Kerala Tourism, Park View, Thiruvananthapuram 695 033, Kerala by 5 pm on or before 24 November 2016. Separate application should be submitted for each category superscribed as "Application for Global Branding and Promotion Agency" or "Application for National Trade Marketing Agency" or "Application for Local Events and Advertising Agency". For more information please contact 0471-2560427, 2560426 or email [events@keralatourism.org](mailto:events@keralatourism.org).

Sd/- Director

**NBCC (INDIA) LIMITED**  
(Formerly National Buildings Construction Corporation Ltd.)  
(A Government of India Enterprise)  
CIN: L74899DL1960GQ00335  
NBCC Bhawan, Lodhi Road, New Delhi-110003

**Expression of Interest (EOI)**

**Dated: 08.11.2016**

NBCC (India) Ltd., A Navaratna CPSE, having its Internal Audit Office at NBCC (India) Limited, 2nd Floor, Local Shopping Centre, East Kidwai Nagar, New Delhi-110023, invites EOI from reputed and experienced Audit Firms to conduct Internal Audit. The sealed offers containing EOI should be submitted duly filled in Standard Formats for technical evaluation along with unconditional acceptance of terms and conditions with fees in the office of Chief Internal Auditor latest by 08.12.2016. NBCC reserves the right to reject any or all the offers without assigning any reason. Corrigendum/addendum, if any, shall be given in NBCC's website only. **General Manager (Finance)**

**Canara Bank**  
Integrated Treasury Wing, TM Section, 5<sup>th</sup> Floor, B Wing, C 14, G Block, BANDRA KURLA COMPLEX, BANDRA EAST MUMBAI-400051

Canara Bank invites Request for Proposal from the interested vendors for "SUPPLY, INSTALLATION AND MAINTENANCE OF SERVERS, STORAGE AND OTHER ITEMS UNDER BUY BACK ARRANGEMENT" in Canara Bank.

The details are published in the Bank's website: <http://www.canarabank.com/English/Scripts/Tenders.aspx>

NIC website : <http://tenders.gov.in>  
Interested parties may go through & submit their response in time. Amendments, if any, will be hosted in our website only.

**DEPUTY GENERAL MANAGER**

**Canara Bank**  
DIT WING, 14, M G ROAD, BENGALURU - 560 001

**TENDER NOTICE**

Canara Bank invites RFP for "Supply, Installation, Integration, Commissioning and Support for Proxy and Secure Web Gateway Solution". The details are published in the Bank's website: <http://www.canarabank.com/English/Scripts/Tenders.aspx> and

NIC website: <http://tenders.gov.in>  
Interested parties may respond. Amendments will be hosted in our website only.

**DEPUTY GENERAL MANAGER**

**NUMALIGARH REFINERY LIMITED**  
(A Govt. of India Enterprise)  
REFINERY DIVISION  
**E-AUCTION NOTICE**

**SALE OF RPC AND CPC DUST PARAFFIN WAX**

Product: RPC  
Quantity: 5000 MT  
Auction Date: 16-11-2016  
Time: 11:00 A.M. - 01:00 P.M.

Product: CPC DUST  
Quantity: 400 MT  
Auction Date: 17-11-2016  
Time: 11:00 P.M. - 01:00 P.M.

Minimum upliftment by each bidder for RPC: 1000MT  
Minimum upliftment by each bidder for CPC DUST: 100 MT

For more details bidders are requested to go through the Business Rule Document (BRD) available in the below mentioned websites.

Contact Details: Phone No.: 8308810330  
Email ID: [swarup@synrise.com](mailto:swarup@synrise.com)

Customers are requested to visit [www.nrl.co.in](http://www.nrl.co.in) & <https://www.indiaengineering.com/nrl> for regular auction of Paraffin Wax, Sulphur RPC & CPC. Any addendum/corrigendum of this notice shall be published on the above mentioned websites only.

**Office of Executive Engineer Irrigation Division Etawah**  
Phone No. 05688-254590  
E-mail: [idetawah.12@gmail.com](mailto:idetawah.12@gmail.com)

**EXPRESSION OF INTEREST NOTICE NO. 01/ 2016-17**

**For Rehabilitation of drains under UPSLR-III. Project**

The Government of India has received a credit from the IDA towards the cost of UPSLR-III and it is intended that a part of the proceeds of this credit will be applied for eligible payments under the contracts for which the EOI is sought.

Rehabilitation, Maintenance & Construction of Inlets and Bed Profile of some Sodic drains in district Etawah, Auralaya, Firozabad, Kanpur Nagar and Kanpur Dehat are Proposed to be executed. Interested Contractors / firms are required to express their interest by 09.12.2016. Interested contractors /firms may submit their offer in this office alongwith following information with supporting documents-

(a) Total monetary value of construction works performed for each year of the last 3 years.

(b) Report on his financial standing; and

(c) Details of any litigation, current or during the last 3 years in which the bidder is involved, the parties concerned and disputed amount in each case.

(d) PAN (Permanent Account Number of Income tax Department)

(e) Character Certificate from District Magistrate.

On basis of EOI obtained from firms/contractors, Contractors/firms will be shortlisted for inviting quotations. Quotations will be invited from shortlisted contractors/firms only.

UPID-113144/8.11.2016  
[www.upgov.nic.in](http://www.upgov.nic.in), Sap 21634107\_1

**Executive Engineer Irrigation Division Etawah**

**National Health Mission STATE PROGRAM MANAGEMENT UNIT**  
Vishal Complex, 19-A, Vidhan Sabha Marg, Lucknow.- 226001  
Phone: 0522-2237595 / Fax-0522-2237390;  
Email: [mdpunrhm@gmail.com](mailto:mdpunrhm@gmail.com)

Ref. No. 265/SPMU/EMTS/ALS Ambu/2016-17/III/7023 Date: 09/11/2016

**CORRIGENDUM NOTICE**

This is in reference to the Tender Notice published by NHM, UP on 24-09-2016 for RFP Reference No. 265/SPMU/ALS Ambu/2016-17/III/5613 (Selection of Service Provider for Operating Advanced Life Support (ALS) Ambulance Services in Uttar Pradesh), which was published on NHM, UP website <http://www.upnrm.gov.in>.

A Corrigendum to this RFP has been published on NHM, UP website <http://www.upnrm.gov.in>. There are no other modifications to the tender beyond what is contained in the Corrigendum, and the remaining provisions of the Tender Document remain the same.

**SCHEDULE OF TENDER**

Schedules	Date / Time
Date of Commencement of Sale of Tender Documents	24.09.2016
Date of Pre-Bid Meeting	Completed on 04.10.2016 at 11:00 a.m.
Deadline for the submission of Bids in the Tender Box at the office of the "Mission Director NHM-UP, SPMU, Vishal Complex, 19-A, Vidhan Sabha Marg, Lucknow- 226001"	25.11.2016 at 11:00 a.m.
Date of Opening of Technical Bid in the presence of bidders or their authorized representatives who desire to be present.	25.11.2016 at 03:00 p.m. at SPMU, NHM Conference Hall, Om Kailash Tower, 19-A, Vidhan Sabha Marg, Lucknow
Opening of Financial Bids	Qualified bidders will be intimated in advance

Any further updates regarding above tender can be accessed on the NHM, UP website: <http://www.upnrm.gov.in>.

The decision of National Health Mission- UP shall be final. The SPMU-NHM-U.P. reserves the right to cancel or reject all or any bid(s) without assigning any reason.

**Mission Director**

# Govt Plans to Boost Setting Up of Biomass Power Plants

**Kaavya.Chandrasekaran**@timesgroup.com

**New Delhi:** There is a renewed interest in biomass power plants, which can not only generate electricity but also help dispose of — in a carbon-neutral manner — agriculture waste, burning of which in Punjab and Haryana is partly blamed for the alarming levels of pollution Delhi is experiencing.

Minister of New and Renewable Energy Piyush Goyal held a meeting of top officials on Monday to consider increasing incentives to boost this segment. "We are thinking of a scheme to encourage setting up of biomass plants using agricultural waste, but I cannot say anything more at the moment," said Santosh Vaidya, joint secretary at the Ministry of New and Renewable Energy (MNRE), told ET.

The government already provides financial assistance of ₹20 lakh per MW for setting up biomass power plants, and ₹15 lakh per MW for co-generation projects by sugar mills (using sugarcane waste left over after juice extraction). Such plants cost around ₹4.5-6 crore per MW, while generation expense is around ₹3.25-4.00 per kWh. They are also entitled to concessional import and excise duties while acquiring equipment, as well as a tax holiday for 10 years.

But unlike sun and wind energy, this segment has been languishing in India. At the end of 2015-16, the country's total biomass power installed capacity (along with co-generation units) was 483.33 MW, with another 1150 MW under construction. Capacity addition has in fact slowed in the past three years, from 465.6 MW in 2012-13 to 412.5 MW in 2013-14, 405 MW in 2014-15 and 400 MW in 2015-16. Barring Karnataka, Maharashtra, Tamil Nadu, Uttarakhand and Uttar Pradesh, no state added any biomass power or co-generation capacity in the last fiscal year. Rather, leading players like Orient Green Power have been trying hard to sell off their biomass power assets, as they are not profitable.

Punjab has a biomass power and co-generation installed capacity of 155.5 MW, of which around 62.5 MW are in operation. In Haryana, the capacity is 45.3 MW. "The Environmental Pollution (Prevention and Control) Authority (EPCA) has been urging the Punjab and Haryana governments to set up biomass power plants since 2008 as one of these solutions to Delhi's pollution crisis," said Polash Mukerjee, researcher at the Centre for Science and Environment. "A target of 600 MW of installed capacity was set for Punjab years ago, but without any timeline. It has since been revised to 500 MW by 2020."

Six more biomass power plants are under construction in Punjab which on completion will raise effective capacity to 110 MW from 62.5 MW. "But even after these are completed, they will use up only around 1 million tonne of agricultural waste, which is just 5% of the 20 million tonne Punjab produces," said Mukerjee.