

**NEWS BRIEFS 6**

**SPECIAL STORIES 16**

**Saubhagya promise 16**  
Government looks to connect the last mile



**A daunting task 18**  
Expert views on Saubhagya roll-out

**A good start 22**  
Results of the first auction under SHAKTI

**Gaining a foothold 24**  
CFB technology offers a promising future for coal-based power

**COMPANIES**

**“REC is well equipped to meet market demand” 26**  
Interview with REC’s Dr P.V. Ramesh

**TSNPDCL 28**  
Big strides in a short span of time

**FOCUS ON REGULATION**

**A facilitative role 32**  
FOLD-POSOCO report emphasises the need for optimising hydro

**SPECIAL SECTION: TOWERS AND STRUCTURES**

**Growing network 36**  
Transmission outlook and demand drivers

**Tower design 38**  
Recent advances focus on minimising space and time requirements

**Robust foundations 42**  
Move towards precast solutions

**Tower installation 44**  
New techniques aim to address site-specific challenges

**Surveying techniques 46**  
Key role in facilitating the setting up of transmission projects

**COMPANY RELEASE 48**

**SPECIAL SECTION: POWER LINE SUMMIT 2017**

**Changing dynamics 52**  
Coal remains the mainstay, but needs to adapt to new realities

**Renewable concerns 54**  
Is the sector on track to achieve 175 GW by 2022?

**UDAY impact 56**  
Short-term gains, but a long way to go

**Reviving stressed assets 58**  
Challenges and possible solutions

**Next steps in market evolution 60**  
Remarks by S.K. Soonee



**Recognising excellence 62**  
S.K. Soonee receives the Power Line Award for Outstanding Contribution to the Power Sector

**INFOCUS: ENERGY MANAGEMENT AND EFFICIENCY**

**Making a debut 66**  
Trading of ESCerts commences

**Efficient lighting 68**  
UJALA shows demonstrable results in demand-side management

**Improving performance 70**  
Major gains to industrial consumers from energy efficient motors and drives

**Action plan 72**  
Energy efficiency initiatives for TPPs

**Significant savings 73**  
Case studies in energy conservation

**Building efficiency 76**  
ECBC 2017 to cut energy use by half

**Electrification drive 77**  
Indian Railways seeks to cut energy costs under Mission 41K

**SPECIAL SECTION: GRID MODERNISATION IN RAJASTHAN**

**“We aim to provide reliable, cost-effective power” 80**  
Views of Rajasthan Energy Department’s Sanjay Malhotra

**“We are heading towards a healthier grid” 81**  
Views of JVVNL’s R.G. Gupta

**Quality solutions 82**  
Smart meter deployment in Kota

**Grid transformation 84**  
RVPN leverages the latest digital technologies to enhance its network

**New technology applications 86**  
Discom initiatives to improve efficiency and consumer services

**INDUSTRIAL POWER: CAPTIVE AND RENTAL POWER**

**Captive power market 88**  
Key trends, challenges and cost considerations

**Rental power solutions 90**  
Catering to a niche but growing market

**An economical option 92**  
WHR systems offer efficiency and cost benefits

**Cogeneration potential 94**  
Policy impetus needed to drive growth

**PEOPLE**

**Reji Kumar Pillai, ISGF 96**

**Sanjay Teotia, Essel Infra 98**

**Munjal Rangwala, Harsha Abakus Solar 98**

**Vivek Chaturvedi, DSM India 99**

**Gagan Chanana, Jakson Group 99**

**POWER DATA**

**Power trading 100**  
At the IEX and PXIL in September 2017

**Discom performance 101**  
On financial and operational parameters from 2013-14 to 2015-16

**Power generation 102**

**FORM IV**

Publisher	Alok Brara
Printer	Alok Brara
Owner	India Infrastructure Publishing Pvt. Ltd.
Editor	Alok Brara
Printing Press	International Print-o-Pac Limited, C-4 to C-11, Hosiery Complex, Phase-II Extension, Noida 201305
Place of Publication	B-17, Qutab Institutional Area New Delhi 110016