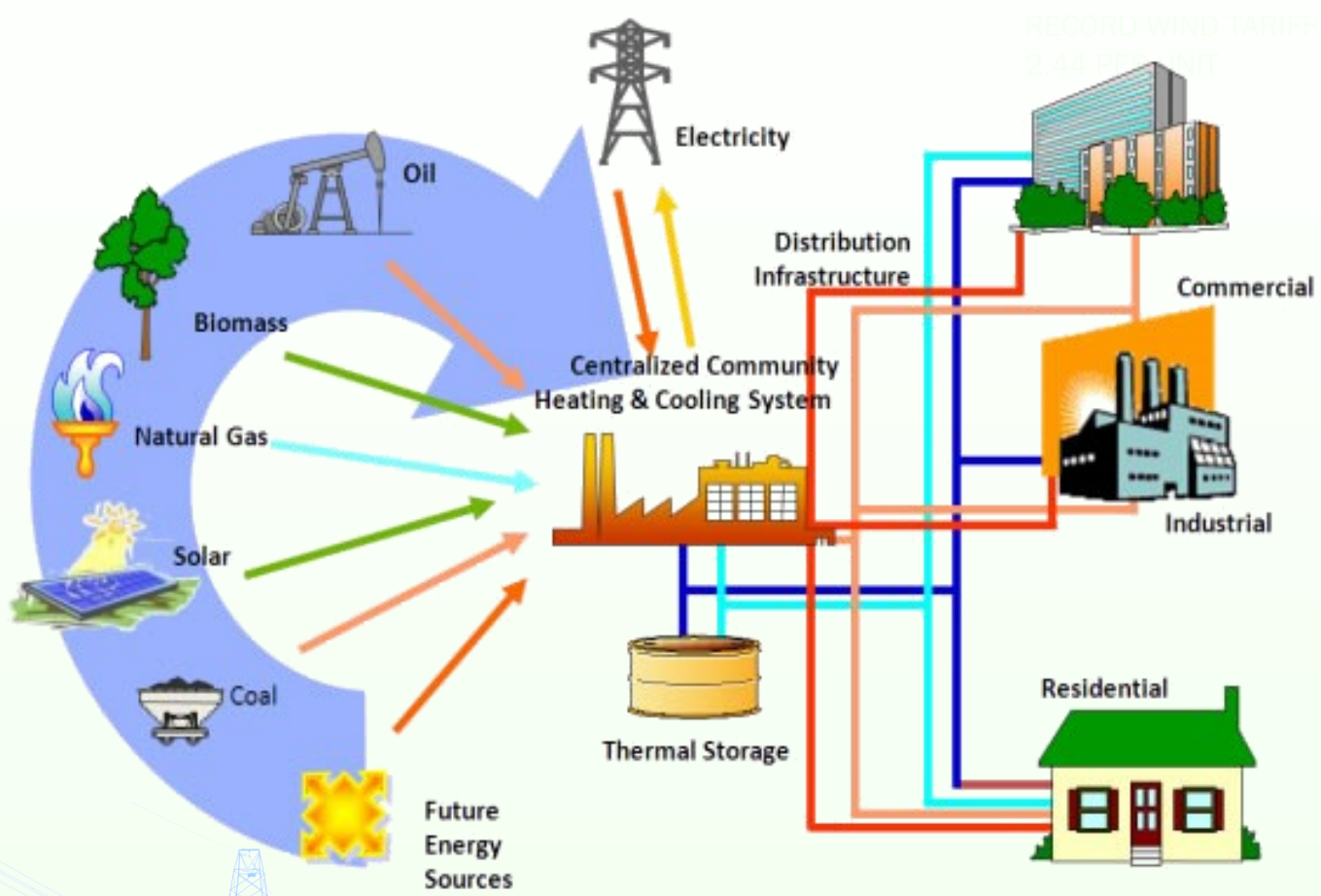




POWER BULLETIN

RECORD WIND TARIFF
2.44 PEN/UNIT

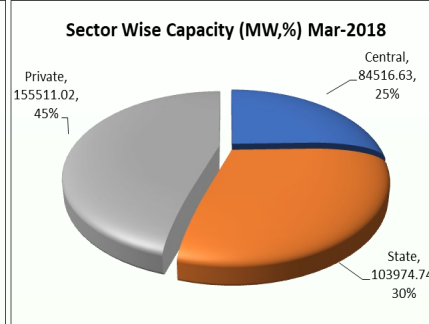
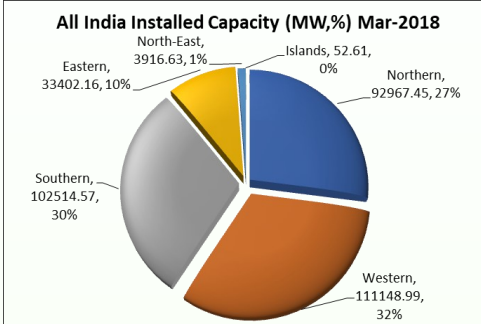


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OVERVIEW OF INDIAN POWER SYSTEM FOR MAR-2018

All India Installed Capacity (MW) as on 31-03-2018						All India Installed Capacity (MW) as on 31-03-2018		Peak Demand of DD & DNH				
Region	Thermal	Nuclear	Hydro	RES	Total	Sector	Generation (MW)	Utility	Mar-18			
Northern	58720.46	1620.00	19753.77	12873.22	92967.45				Peak Demand (MW)	Peak Met (MW)	Surplus/Deficit (-)	
Western	81415.11	1840.00	7447.50	20446.38	111148.99	Central	84516.63	DD	350	350	0	0
Southern	53017.26	3320.00	11808.03	34369.28	102514.57	State	103974.75					
Eastern	27421.64	0.00	4942.12	1038.40	33402.16	Private	155511.02	DNH	766	766	0	0
North-Eastern	2292.07	0.00	1342.00	282.56	3916.63	Total	344002.40					
Islands	40.05	0.00	0.00	12.56	52.61							
ALL	222906.59	6780.00	45293.42	69022.40	344002.41							



All India Plant Load Factor (PLF) in (%)

Sector	Mar-17	Mar-18
Central	77.52	78.47
State	56.09	68.66
Private	58.48	52.29
ALL India	63.12	65.33

- Highlights of WR Grid for Mar-2018**
- Maximum Peak Demand Met:** 50653 MW
 - Energy Consumption:** Total Energy Consumption in the month of Mar-2018 was 33772 MUs at an average of 1089 MUs/day & Maxi-mum was 1143 MUs on 27.03.2018.
 - Unrestricted Demand:** Maximum Unrestricted demand was 50759 MW and Average Peak Unrestricted demand was 45393 MW.
 - Frequency Profile:** System frequency as per IEGC band is 49.90 Hz to 50.05 Hz. Maxi-mum, Minimum & Average Frequencies 50.25 Hz, 49.68 Hz & 49.97 Hz were respectively observed in the month of Mar-2018.
 - Voltage Profile:** All 765KV nodes except Durg and Kotra (high voltage node) of WR were within the IEGC limit. High Voltage (greater than 420 KV) at 400KV substations were observed at Khandwa, Damoh, Raipur, Raigarh, Wardha, Dhule, Parli, Boiser, Karad, Kasor, Kalwa, Vapi, Mapusa, Magarwada and Hazira. Highest of 68.39% of time above 420KV observed at Dehgham.
 - Hydro Generation:** Total hydro generation of Western Region was 713 MUs at an average of 25.45 MUs/day in the month of Mar-2018.
 - Wind Generation:** Total wind generation was 1226 MUs at an average of 39.5 MUs/day in the month of Mar-2018.
 - Solar Generation:** Total Solar generation was 578 MUs at an average of 19 MUs/day in the month of Mar-2018.
 - Open Access Transaction Details for Mar-2018:**
 - ⇒ No. of approvals & Energy Approved in Intra-regional: 209 & 984.82 MUs
 - ⇒ No. of approvals & Energy Approved in Inter-regional: 99 & 589.75 MUs
- [Read More...](#)

List of Transmission Lines Commissioned/Ready for Commissioning During Mar-2018

Sector	Central				Pvt.			State				Total
	800	765	400	220	765	400	220	765	400	230	220	
Voltage Level (KV)												
No. of Lines	0	4	4	0	0	1	0	0	9	2	27	47

List of Substations Commissioned/Ready for Commissioning During Mar-2018

Sector	Central				Pvt.			State				Total
	765	400	230	220	765	400	220	765	400	230	220	
Voltage Level (KV)												
No. of Sub-stations	1	9	0	0	0	0	0	0	8	1	26	45

Region-wise Power Supply Position (Demand & Availability) in Mar-2017 & Mar-2018

Region	Energy (MUs)				Deficit /Surplus (%)	
	Demand		Energy Met		Mar-17	Mar-18
	Mar-17	Mar-18	Mar-17	Mar-18		
Northern	26586	28552	24244	28062	(8.8)	(1.7)
Western	30579	32266	30618	32266	0.1	0.0
Southern	28847	31462	27521	31186	(4.6)	(0.9)
Eastern	10698	11747	11079	11731	3.6	(0.1)
North Eastern	1211	1201	1163	1161	(4.0)	(3.3)
All India	97921	105228	94625	104406	(3.4)	(0.8)

Region-wise Peak Demand / Peak Met in Mar-2017 & Mar-2018

Region	Power (MW)				Deficit /Surplus (%)	
	Peak Demand		Peak Met		Mar-17	Mar-18
	Mar-17	Mar-18	Mar-17	Mar-18		
Northern	42396	43435	41915	42162	(1.1)	(2.9)
Western	48516	49006	48298	48899	(0.4)	(0.2)
Southern	42290	47298	42277	47210	(0.0)	(0.2)
Eastern	18781	20318	18781	20318	0.0	0.0
North Eastern	2236	2283	2200	2250	(1.6)	(1.4)
All India	151820	158520	151087	156720	(0.5)	(1.1)

[Read More...](#)

POWER TRADING

- ⇒ Emergence of IT has helped to create massive E-Commerce platforms in every walk of life. One such E-Commerce platform for transiting electricity for physical delivery, fine tuning daily requirements, sale of residual generation, optimal utilization of generating resources at marginal cost of production etc. has been made possible through the commencement of Power Exchanges.
- ⇒ For more information about IEX visit (www.iexindia.com); For more information about PXIL visit (www.powerexindia.com)

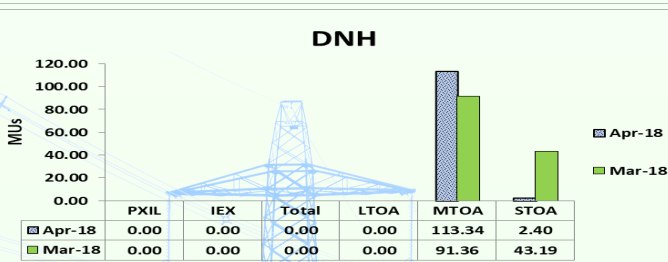
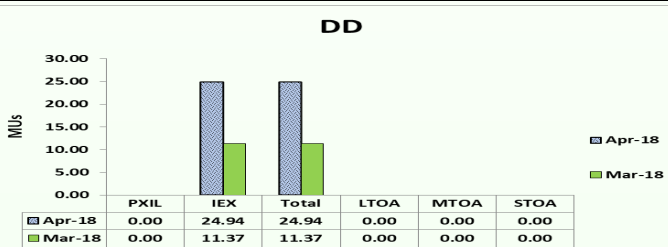


⇒ PXIL & IEX Trading summary

APR-2018	PXIL					IEX				
	Buy Bid (MWh)	Sell Bid (MWh)	MCP (₹/MWh)	Cleared Volume (MWh)	Marginal Clear Volume (MWh)	Buy Bid (MWh)	Sell Bid (MWh)	MCP (₹/MWh)	Cleared Volume (MWh)	Marginal Clear Volume (MWh)
Total	26416.0	242892.0	-	23200.0	23200.0	5100837.5	5506027.5	-	4055255.9	4058000.7
Min	0.0	0.0	0.0	0.0	0.0	4056.2	4147.6	2488.5	3221.3	3221.3
Max	400.0	450.0	5070.0	400.0	400.0	10458.8	11969.0	7500.4	7910.3	7910.3
Avg	9.2	84.3	116.7	8.1	8.1	7084.5	7647.3	3978.1	5632.3	5636.1

MAR-2018	PXIL					IEX				
	Buy Bid (MWh)	Sell Bid (MWh)	MCP (₹/MWh)	Cleared Volume (MWh)	Marginal Clear Volume (MWh)	Buy Bid (MWh)	Sell Bid (MWh)	MCP (₹/MWh)	Cleared Volume (MWh)	Marginal Clear Volume (MWh)
Total	98304.0	306050.0	-	96000.0	95716.0	5338177.3	5393897.4	-	3955287.0	3955543.1
Min	0.0	50.0	0.0	0.0	0.0	2973.6	3711.9	1999.8	2788.9	2788.9
Max	101.5	200.0	5120.0	100.0	100.0	10479.4	12505.9	7319.9	8558.1	8558.1
Avg	33.0	102.8	1761.3	32.3	32.2	7175.0	7249.9	4018.9	5316.3	5316.6

DD & DNH: OPEN ACCESS DETAILS

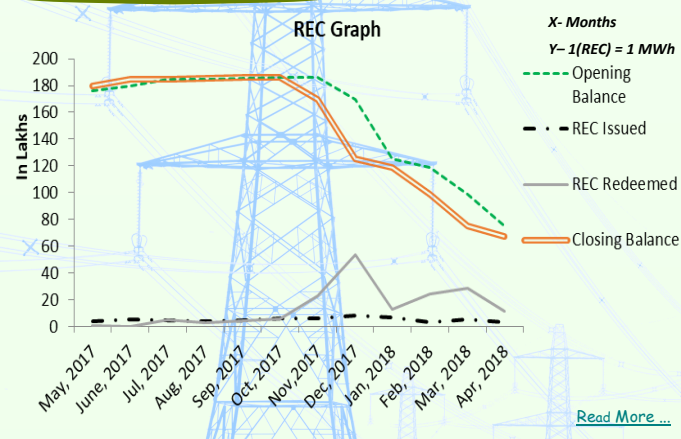


REC Trading Session April-2018

Trader Company	PXIL		IEX	
	Particular	Non-Solar	Solar	Non-Solar
Total Sell Bid (REC's)	65,497	2,211,560	188,672	2,705,722
Total Buy Bid (REC's)	681,740	230,967	417,686	644,151
Clearing Price (₹/Certificate)	1,000	1,000	1,001	1,000
Cleared Volume (REC's)	50,564	2,30,967	136,979	644,151

POWER MARKET UPDATE: APRIL 2018 Day-Ahead Market Continues the trend set in Mar-18, April sees 4055 MU traded with Average MCP Rs. 3.98 per unit

RENEWABLE ENERGY CERTIFICATE MECHANISM (REC) FROM May-17 TO Apr-18



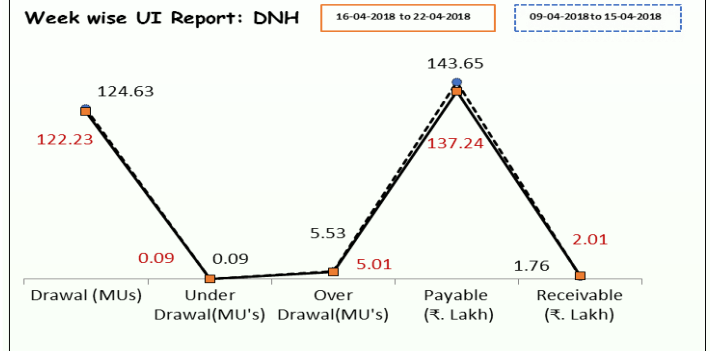
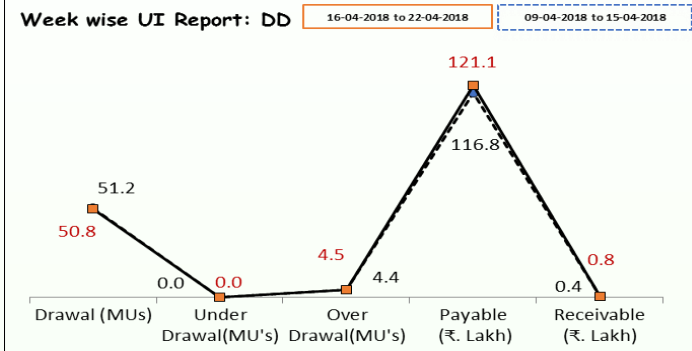
- The average Market Clearing Price (MCP) discovered in the day-ahead market was at Rs. 3.98 per unit, was also at par with the price of March-18 which was Rs. 4.02 per unit and 44% above Rs. 2.77 per unit in April-17.
- A total of 4055 MU were cleared, which is almost at par with the 3955 MU traded last month and almost 9% more than 3717 MU traded in April-17. On a daily average basis about 135 MU were traded.
- With average daily sell and buy bids were 184 MU and 170 MU respectively.
- The One Nation, One Price was realized for 22 days in the month of April.
- On daily average basis 728 participants traded in the day-ahead power market in April-18.

DEVIATION CHARGES

[DD User Click to get UI Report](#)
[DNH User Click to get UI Report](#)

DD-Deviation Charges						
FY 2017-18	Drawl (MUs)	Schedule (MUs)	UI Drawl (MUs)		UI Charges (₹. Lakh)	
			Under Drawl	Over Drawl	Payable	Receivable
Cumulative Total up to Mar-18	2533.61	2315.17	9.18	227.60	5708.77	149.60
16-04-2018 to 22-04-2018	50.78	46.31	0.03	4.50	121.09	0.79
16-04-2017 to 22-04-2017	48.71	46.58	0.16	2.30	54.57	1.82
09-04-2018 to 15-04-2018	51.19	46.79	0.03	4.43	116.78	0.42
09-04-2017 to 15-04-2017	47.34	45.07	0.53	2.80	69.49	4.77

DNH-Deviation Charges						
FY 2017-18	Drawl (MUs)	Schedule (MUs)	UI Drawl (MUs)		UI Charges (₹. Lakh)	
			Under Drawl	Over Drawl	Payable	Receivable
Cumulative Total up to Mar-18	6166.27	5996.48	43.61	215.40	5369.78	817.71
16-04-2018 to 22-04-2018	122.23	117.31	0.09	5.01	137.24	2.01
16-04-2017 to 22-04-2017	119.21	113.58	0.09	5.73	123.04	1.69
09-04-2018 to 15-04-2018	124.63	119.19	0.09	5.53	143.65	1.76
09-04-2017 to 15-04-2017	118.41	113.07	0.09	5.44	111.55	1.69



Month	DD			DNH		
	FY 2016-17 (All Freq Hz)			FY 2017-18 (All Freq Hz)		
	Under Drawl in MU's	Over Drawl in MU's	UI Rate in ₹/Unit	Under Drawl in MU's	Over Drawl in MU's	UI Rate in ₹/Unit
April	4.06	(6.33)	(3.25)	1.29	(11.30)	(2.48)
May	1.76	(11.26)	(2.47)	0.87	(15.28)	(2.19)
June	1.39	(11.28)	(2.89)	1.09	(17.98)	(2.16)
July	1.92	(14.62)	(1.92)	0.97	(15.89)	(2.26)
Aug	2.46	(8.66)	(2.16)	0.19	(24.00)	(2.3)
Sep	2.49	(10.68)	(2.00)	0.39	(24.70)	(2.64)
Oct	2.78	(7.65)	(1.47)	0.13	(29.42)	(2.79)
Nov	3.24	(3.47)	(5.15)	0.22	(22.01)	(2.71)
Dec	9.63	(2.55)	(2.04)	0.66	(16.60)	(2.50)
Jan	2.67	(4.10)	(1.45)	1.04	(18.20)	(2.63)
Feb	0.76	(7.94)	(1.84)	1.33	(12.58)	(2.58)
Mar	0.88	(9.72)	(2.33)	0.99	(19.63)	(2.99)
Total	26.61	(99.97)	(2.18)	9.18	(227.6)	(2.55)

Month	DD			DNH		
	FY 2016-17 (All Freq Hz)			FY 2017-18 (All Freq Hz)		
	Under Drawl in MU's	Over Drawl in MU's	UI Rate in ₹/Unit	Under Drawl in MU's	Over Drawl in MU's	UI Rate in ₹/Unit
April	10.21	(1.07)	(2.02)	1.91	(21.52)	(2.31)
May	9.92	(2.31)	(1.25)	13.54	(2.97)	(1.49)
June	11.34	(0.63)	(1.75)	9.26	(3.65)	(1.98)
July	10.43	(1.34)	(7.45)	6.71	(6.66)	(0.96)
Aug	10.05	(2.21)	(1.57)	3.50	(14.68)	(2.15)
Sep	11.83	(1.96)	(1.72)	2.06	(22.87)	(2.74)
Oct	10.59	(1.96)	(1.98)	1.53	(28.73)	(2.67)
Nov	12.09	(1.17)	(1.95)	2.23	(17.81)	(2.87)
Dec	9.63	(2.55)	(1.95)	1.09	(21.60)	(2.53)
Jan	8.26	(3.17)	(1.92)	0.47	(26.01)	(2.45)
Feb	7.55	(3.32)	(1.65)	0.28	(22.83)	(2.46)
Mar	8.77	(3.61)	(1.93)	1.03	(26.07)	(2.73)
Total	120.67	(25.31)	(1.77)	43.61	(215.4)	(2.65)

REACTIVE ENERGY CHARGES FOR DD & DNH

FY 2017-18	DD-High Voltage				DD-Low Voltage				DNH-High Voltage			DNH-Low Voltage				
	GUJARAT		ISTS		Total	GUJARAT		ISTS		Total	ISTS		Total	ISTS		Total
	Dok-diu	Una-diu	Mgr-Vap HV	Dok-diu		Una-diu	Mgr-Vap LV	Kpd-Vap HV	Kdl-Vap HV		Kpd-Vap LV	Kdl-Vap LV				
Cumulative Total MVARh till Mar-2018	1241.1	-6302.2	209261.0	204199.9	6.6	-85.1	711.0	632.5	208525.0	203371.9	411896.9	8708.5	3269.3	11977.8		
Cumulative Total Charges in (₹) till Mar-18	-166740.5	846639.0	-28184503.5	-27504605.0	891.0	-11488.5	95985.0	85387.5	-28095102.5	-27413692.0	-55508794.5	1175301.6	441035.5	1616337.1		
09-04-2018 to 15-04-2018	32.8	-20.6	2606.5	2618.7	0.0	0.0	0.0	0.0	1275.9	1126.8	2402.7	33.7	0.8	34.5		
Charges in (₹)	-4428.0	2781.0	-351877.5	-353524.5	0.0	0.0	0.0	0.0	-172246.5	-152118.0	-324364.5	4549.5	108.0	4657.5		
16-04-2018 to 22-04-2018	24.2	-23.9	2967.4	2967.7	0.0	0.0	0.0	0.0	2130.7	1831.1	3961.8	0.0	0.0	0.0		
Charges in (₹)	-3267.0	3226.5	-400599.0	-400639.5	0.0	0.0	0.0	0.0	-287644.5	-247198.5	-534843.0	0.0	0.0	0.0		

Note: The REC chargers has been revised to 13.5 paisa/KVARh from Apr-2017 as per clause of 6.6 of revised IEGC.

Note: Bracket Value () indicates the negative value(-ve). Note: For REC table -Ve Value indicates Receivable & +Ve Value indicates Payable.



POWER SECTOR ACTIVITIES



* MNRE

- Expression of Interest for Services of Consultancy Organisation to Review of three Autonomous Institutes of the Ministry. (Last date is 31st May, 2018 by 15.00 Hrs) .
- Tender Document for Supply and Installation of NMOT and Temperature Test Set up with complete accessories at National Institute of Solar Energy, Gurugram, Haryana.
- Programme/Scheme wise Physical Progress in 2017-18 & Cumulative upto the 31st March, 2018.
- MoU between the Ministry of New and Renewable Energy of the Republic of India and the Ministry of Public Infrastructure of the Co-operation Republic of Guyana on Cooperation in the field of Renewable Energy.
- MoU between the Ministry of New and Renewable Energy of the Government of the Republic of India and the Ministry of Energy, Mines and Sustainable Development of the Government of Kingdom of Morocco on Co-operation in the field of Renewable Energy.
- New Benchmark cost of Off-grid Solar PV Systems and Rooftop Solar Plants for the Year 2018-19 -reg
- Implementation of Grid Connected Rooftop Solar power projects through transparent bidding process.
- Expression of Interest for "Development of 1000 MW Offshore Wind Farm in Gujarat" due at 05.00 P.M. on 25.05.2018 opening at 3.30 P.M. on 28.05.2018.
- GST treatment on Solar Power Generating Systems.

* MOP

- Selection for the post of Director (Personnel), SJVN Limited, a schedule 'A' CPSE.
- Clarification on charging infrastructure for Electric Vehicles with reference to the provisions of the Electricity Act, 2003.
- Guidelines for Procurement of power under Pilot Scheme for medium terms through PFC Consulting Limited as Nodal Agency and PTC India Limited as Aggregator.

* CEA

- Draft Guidelines for usage of Pole Mounted or Pad/Plinth mounted Distribution Transformer substation.
- Ensuring Preparedness for Registration of Generating Units of Capacity 0.50 MW and Above.
- Annual Report of C.E.A for the year 2017-2018 -reg
- Central Electricity Authority (Measures Relating to Safety and Electric Supply) Regulations, 2018
- Draft Transfer Policy is available on CEA intranet for Suggestion/Comments 1st Draft amendment to Central Electricity Authority (Furnishing of Statistics, Returns and Information) Regulations, 2007- Invitation of Public Comments
- Draft Central Electricity Authority (Technical Standards for Communication System in Power Sector) Regulations, 2018- Invitation of Public Comments
- 1st Draft Amendment to Central Electricity Authority (Technical Standards for connectivity of Distributed Generation Resources) Regulations, 2013 - Invitation of Public comments.

- 3rd Draft Amendment to Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations, 2010 (as amended) - Invitation of Public Comments.

* CERC

- Order : Calculation of Average Power Purchase Cost (APPC) at the national level.
- Order : Empanelment of Compliance Auditor in the area of Renewable Energy Certificate Mechanism.
- Letter dated 23.04.18 to Central Agency & Power Exchanges.

* JERC

- Vacancy notice for inviting applications for one post of Bench Officer and two post of Private Secretary.

* GERC

- Order dated 21.04.2018 in License Application No. 1 of 2018 in the matter of application for Grant of Distribution License in the Area of Dholera Special Investment Region (SIR), District- Ahmedabad, Gujarat filed by Torrent Power Limited.
- Inviting comments/suggestions from the stakeholders in License Application No. 1 of 2018 on or before 15.05.2018. Hearing in the matter will be held on 18.05.2018 at 11.30 hours.
- Draft Gujarat Electricity Regulatory Commission (Multi-Year Tariff) (Second Amendment) Regulations, 2018.

* MERC

- MERC invites electronic Bid Proposals from reputed, competent and professional firms that meet the minimum eligible criteria as specified in this Request for Proposal (RFP) for procurement of 25 Desktops
- MERC invites application with full details for 1 (one) Senior Regulatory Officer (Technical) and 1 (one) Hardware Engineer on Consultancy-cum-Retainer ship basis on yearly contract.

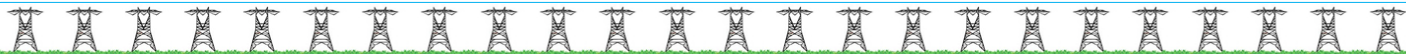
* NISE

- Notification for expansion of skill development programmes of NISE through training partners.
- Supply of Installation & Commissioning for up gradation of Solar Water pump testing facility at NISE, Gurugram.
- Corrigendum of Suryamitra EOI.
- Extension of date for submission of application for the post of DDG NISE from 20th April, 2018 to 21st May, 2018.

* SECI

- Rescheduling Of Pre-Bid Meeting For Tenders For 2000 MW & 3000 MW ISTS-Connected Solar PV Projects In India.
- Tender Document For Setting Up Of 5 MW Grid Connected Solar Power PV Plant At V.O Chidambaranar Port Trust.
- Tender For The Hiring Of Professional Support Staff At Solar Energy Corporation Of India Limited (SECI).

Note: Click on Head lines for More Info



• **Advertisement For The Post Of AGM (Contract/Project) Last Date Of Receipt Of Applications Is 24.05.2018.**

* **MISCELLANEOUS**

- Andhra Pradesh: NREDCAP(New & Renewable Energy Development Corporation of Andhra Pradesh Ltd) tenders 35 MW rooftop solar.
- India probes dumping of EVA sheets for solar modules by 5 nations
- Yamaha Motor India upgrades its solar power plant in Chennai.
- ISMA Wants Safeguard Duty On Solar Cells Import .
- 5 MW Solar PV project with PPA @Rs.7 per unit up for sale.
- PFC seeks buyers for project by KSK energy subsidiary.
- Sterlite Power eyes India's first offshore wind farm project.
- China installs 9.65 gigawatts of solar power in 1st quarter 2018.
- India Nears Power Success, But Millions Still in the Dark.
- ABB installs solar-storage micro grid in Gujarat.
- India, China likely to jointly undertake projects in Afghanistan.

⇒ As decided in 2017 India will undertake 116 high impact community development projects in 31 provinces of Afghanistan.

• **Rooftop solar panels to be mandatory in Haryana government buildings.**

⇒ The new and renewable energy department, Haryana, made the announcement, days after a WHO report listed Gurugram as the 11th most polluted city in the world.

- Haryana to introduce solar based tube well scheme for farmers.
- Oil-rich Nigeria turns to renewable energy as population booms.
- Goa government proposes giving solar lamps for forest-dwellings.

⇒ Despite the govt. stating the country has achieved 100% electrification, over 80 families, spread across forest areas in north and south Goa, are yet to receive electricity connections.

- **New water-based battery to store solar, wind energy.**
- **Solar-powered cooking system at NCL canteen saves 55% LPG.**
- **Green certificates sales on power exchanges up 42 per cent in April.**

⇒ Sales of renewable energy certificates (RECs) jumped 42 per cent in April to 10.62 lakh units on the Indian Energy Exchange (IEX) and Power Exchange of India (PXIL) compared to 7.46 lakh in the April month a year ago, as per official data.

• **Siemens plans Power & Gas shutdowns due to power weakness.**

⇒ Siemens said weakness in the powergeneration market is forcing it to temporarily shut down its Power & Gas (PG) sites around the world.

- **Tata Power output stood at 53,556 million units last fiscal.**
- **Electric buses set to hit Kolkata streets in month of June 2018.**
- **Rajasthan discoms yet to deliver despite Uday lifeline.**
- **Oil prices reach highest since Nov 2014 on Venezuela, Iran worries.**
- **ONGC clocks 6.3% rise in gas production.**

⇒ State-owned ONGC registered 6.3 per cent increase in natural gasproduction in 2017-18 and is on track to double the output by 2022, a top company official said.

- **Oil hits highest since Nov. 2014 as Iran tensions mount.**
- **ONGC floats first tender to sell Brazil's ostra crude.**
- **Canada oil sector faces significant challenges to reduce emissions.**
- **Transport Ministry nod for 100% bio-ethanol vehicles by Bajaj, TVS.**
- **Bangladesh signs deal with China to set up coal-based power plant.**
- **Coal shortage in 32 power plants due to rise in capacity utilization.**

⇒ As many as 32 power plants out of 114 in India have coal stockpiles that will last for seven days or less, a situation not seen in several months, as generating stations unexpectedly stepped up capacity utilization following a rise in demand for electricity.

- **Coal India boosts supplies to power plants by 14 per cent in April.**
- **Adani unable to provide viable coal off-take agreement for Carmichael: Report.**
- **EU carbon emissions from burning fossil fuels rose in 2017 -Eurostat.**
- **Rise in short-term power prices due to demand-supply mismatch of coal: India Ratings.**
- **Coal India achieves 17 per cent production growth in April.**
- **14 of the world's 20 most polluted cities are in India: WHO.**
- **Krishnapatnam Port's cargo handling up 25% in FY-18.**
- **China's thermal coal futures rally on tight import policy.**
- **Govt to auction 19 coal mines this quarter: coal secy Susheel Kumar.**

List of Abbreviations

• ABB :ASEA Brown Boveri	• MNRE :Ministry of New & Renewable energy
• AGM :Assistant General Manager	• MOP :Ministry of Power
• CEA :Central Electricity Authority	• MoU :Memorandum of Understanding
• CPSE :Central Public Sector Enterprises	• NCL :National Chemical Laboratory
• Cr :Crore	• NISE :National Institute of Solar Energy
• DDG :Deputy Director General	• NTPC :National thermal Power Corporation
• DISCOM :Distribution companies	• ONGC :Oil and Natural Gas Corporation
• EOI :Expression of Interest	• PFC :Power Finance Corporation
• EU :European Union	• PPA :Power Purchase Agreement
• EVA :Ethylene Vinyl Acetate	• PTC :power trading corporation
• FY :Financial Year	• PV :photovoltaic
• GST :Goods and Services Tax	• SECI :Solar Energy Corporation of India Limited
• ISMA :Indian Solar Manufacturers Association	• SJVN :Satluj Jal Vidyut Nigam
• ISTS :Inter-State Transmission System	• WHO :World Health Organization
• JERC :Joint Electricity Regulatory Commission	
• LPG :Liquid Petroleum Gas	
• MERC :Maharashtra Electricity Regulatory Commission	





ALL INDIA LIST OF ELEMENTS COMMISSIONED DURING THE FY 2017-18



All India List of Substations, Transmission Lines & Generators Commissioned during Mar-2018

◆ Substations

- * 765/400 KV Orai (ICT-I) (1000 MVA)
- * 400/220 KV Extn. at Kozhikode S/s (500 MVA)
- * 400/220 KV Extn. at Sikar S/S (500 MVA)
- * 400/220 KV Extn at Tirunelveli S/s (500 MVA)
- * 400/220 KV Rewa (ICT-I and II) (1000 MVA)
- * 400/220 KV Extn.at Daltonganj S/S (320 MVA)
- * 400/230 KV Extn. at Arasur S/s (500 MVA)
- * 400/230 KV Extn. at Karaikudi s/s (500 MVA)
- * 400/220 KV Daltonganj (ICT-I) (315 MVA)
- * 400/220 KV Yehlanka (1000 MVA)
- * 400/220 KV Sanand (500 MVA)
- * 400/220 KV Mardam (630 MVA)
- * 400/220 KV Aurangabad-II (Thaptitanda) (500 MVA)
- * 400/220 KV Chandrapur-II (Addl.) (500 MVA)
- * 400/220 KV Kudus (ICT-II) (500 MVA)
- * 400/220 KV GSS Babai S/S (500 MVA)
- * 400/220 KV Muradnagar-I (Aug.) (315 MVA)
- * 400/220/33 KV Jejuri (Addl.) (185 MVA)
- * 400/220 KV Sikar (ICT-III) (MVA)
- * 400/220 KV Taptithanda (ICT-I) (MVA)
- * 400/230 KV Arasur (ICT-III) (MVA)
- * 400/230 KV Tirunelveli (ICT-III) (MVA)
- * 400/230 KV Karaikudi (ICT-III) (MVA)
- * 400/220 KV Kozikode (ICT-III) (MVA)
- * 230/110 KV Savasapuram (500 MVA)
- * 220/66 KV Botad s/s (100 MVA)
- * 220/67 KV Sachin (Talangpore) (160 MVA)
- * 220/68 KV Sanand (60 MVA)
- * 220/132 KV Gotri (160 MVA)
- * 220/66 KV Zagadia (300 MVA)
- * 220/66 KV Meerpur Kurali s/s (ICT-2) (160 MVA)
- * 220/66 KV Palwal (Aug.) (100 MVA)
- * 220/66 KV Ukai (Hydro) (160 MVA)
- * 220/132 KV Shapur s/s (160 MVA)
- * 220/132 KV Dadhibana (Aug.) (100 MVA)
- * 220/132 KV Ahemednagar (Kedgaon) (100 MVA)
- * 220/132 KV Kartarpur (160-100) (MVA)
- * 220/132 KV Rajla (160-100) (MVA)
- * 220/132 KV Agra (Aug.) (160-100) (MVA)
- * 220/132 KV Bansi Siddharth Nagar (New) (MVA)
- * 220/132 KV Mirzapur (Aug.) (160-100) (MVA)
- * 220/132 KV Motiran Adda Gorakhpur (MVA)
- * 220/132 KV Neebkarori Farrukhabad (MVA)
- * 220/132 KV Noida Sec-148 (New) (MVA)
- * 220/132 KV R.C. Green Gr. Noida (Aug.) (MVA)
- * 220/132/33 KV Barghar New (ICT-I) (MVA)
- * 220/22 KV Theur s/s (Addl.) (MVA)
- * 220/33 KV Krishnoor S/S (MVA)
- * 220/33 KV Mendhegiri (Wind) (MVA)
- * 220/33 KV Malkangiri (ICT-II) (MVA)
- * 220/33 KV CG City (AIS) Lucknow (New) (MVA)

◆ Transmission Lines

- * 765 KV LILO of Agra - Meerut at Aligarh
- * 765 KV LILO of Kanpur - Jhatikara at Aligarh
- * 765 KV LILO of one ckt. of Satna- Gwalior 765KV 2xS/ C line at Orai

- * 765 KV Orai - Aligarh line 765 KV Jabalpur - Orai (CKT No. 1)
- * 765 KV Jabalpur - Orai (CKT No. 2)
- * 765 KV Satna-Orai (LILO of Satna-Gwalior at Orai) (CKT No.1)
- * 765 KV Gwalior - Orai (LILO of Satna-Gwalior at Orai) (CKT No.1)
- * 220 KV LILO of Sakatpura-Badod at Bhanpura (CKT No.1)
- * 765 KV Kanpur - Aligarh (CKT No.1)
- * 765 KV Agra - Aligarh (LILO of Agra - Gr. Noida at Aligarh) (CKT No.1)
- * 765 KV Aligarh-Gr. Noida (LILO of Agra-Gr.Noida at Aligarh) (CKT No.1)
- * 400 KV Dehradun - Abdullapur line (Q)
- * 400 KV Kameng - Balipara line
- * 400 KV LILO of Neelamangla - Hoddy 400 kv S/C LINE at Yelahanka
- * 400 KV Tirunelveli PS - Tuitcorin PS (Quad) 1and2 line
- * 400 KV Bikaner -Sikar (PG)
- * 400 KV LILO in 1st and 2nd Ckt. of MTPS - III - Thiruvallam at Dharmapuri
- * 400 KV LILO of both ckt. 400kv RTPP - Chittoor TMDC line at 400kv Kalikiri S/S
- * 400 KV LILO of Chekkanurani - Kayather at Kinnimangalam
- * 400 KV LILO of Meja - Rewa Road at Masuli (Allahabad)
- * 400 KV LILO of Parbati - II HEP - Parbati-III Pooling station at Sainj
- * 400 KV Phagi (Jaipur south-765 kv)-Ajmer (Ckt. - I)
- * 400 KV Wanakbori S/y -Wanakbori S/y (existing)
- * 400 KV Yermarus TPS - Bellary Pooling Station (BPS)
- * 400 KV LILO of Both ckt Uri - Wagoora at Amargarh (NRSS-XXIX TL - TBCB)
- * 400 KV Orai (PG)-Orai(UP) (CKT No.1)
- * 400 KV Orai (PG)-Orai(UP) (CKT No.2)
- * 400 KV Rewa-Jabalpur (LILO of Sasan-Jabalpur at Rewa) (CKT NO.1)
- * 400 KV Sasan-Rewa (LILO of Sasan-Jabalpur at Rewa) (CKT NO.1)
- * 400 KV Rewa-Jabalpur (LILO of Vindhyachal-Jabalpur IV at Rewa) (CKT NO.2)
- * 400 KV Vindhyachal NTPC-Rewa (LILO of V'chal-Jabalpur IV at Rewa) (CKT NO.1)
- * 400 KV Vindhyachal(PS)-Vindhyachal IV (CKT NO.3)
- * 400 KV Vindhyachal(PS)-Vindhyachal IV (CKT NO.4)
- * 400 KV VEMAGIRI PG-VIJAYAWADA (CKT NO. 2)
- * 400 KV VEMAGIRI PG-VIJAYAWADA (CKT NO. 3)
- * 400 KV VEMAGIRI PG-SIMHADRI (CKT NO. 1)
- * 400 KV VEMAGIRI PG-SIMHADRI (CKT NO. 2)
- * 400 KV VEMAGIRI PG-VEMAGIRI AP (CKT NO. 1)
- * 400 KV VEMAGIRI PG-VEMAGIRI AP (CKT NO. 2)
- * 400 KV KUDANKULAM - TTPS PS (CKT NO. 1)
- * 400 KV KUDANKULAM - TTPS PS (CKT NO. 2)
- * 400 KV PAVAGADA - TUMKUR (CKT NO. 1)
- * 400 KV PAVAGADA - TUMKUR (CKT NO. 2)
- * 400 KV YELHANAKA - NEELAMANGALA (CKT NO. 1)
- * 400 KV HOODY - NEELAMANGALA (CKT NO. 1)
- * 400 KV TTPS PS - TTPS GIS (CKT NO. 1)
- * 400 KV TTPS PS - TTPS GIS (CKT NO. 2)
- * 400 KV TTPS PS - TTPS GIS (CKT NO. 3)

- * 400 KV TTPS PS - TTPS GIS (CKT NO. 4)
- * 400 KV BPS - PAVAGADA (CKT NO. 1)
- * 400 KV BPS - PAVAGADA (CKT NO. 2)
- * 400 KV Chitur-Kalikiri (CKT NO. 2)
- * 230 KV Veeranam - Kodikurichi
- * 230 KV Veeranam - Kodikurichi line at Kundah
- * 220 KV Amargarh (Delina) - Zainkote (2nd Ckt.)
- * 220 KV Chandrapur - II - Chandrapur MIDC (Tadali)
- * 220 KV Darbhanga(DMTCL) - Supaul/Laukahi(BSPTCL)
- * 220 KV Gwalior (PG) - Gwalior (MP) - 2nd circuiting
- * 220 KV Kairan-Chamera - II (PG)
- * 220 KV Kumbhargaoon - Krishnoor line ckt.-II
- * 220 KV LILO of 1st ckt. Saharanpur - Khodri line at Sarsawa
- * 220 KV LILO of 1st ckt. Sarojni Nagar - Unnao at Kanpur Road
- * 220 KV LILO of both ckt. Tebhda - Rajkot line at Kalavad S/s
- * 220 KV LILO of Chinhat - Raebareli (PG) line at CG City Lko
- * 220 KV LILO of Gorakhpur (PG) - Basti at Bansi
- * 220 KV LILO of Gr. Noida (400) - Sec.129 at Noida Sector - 148
- * 220 KV LILO of Jamnagar - Jetpur line-II at Sikka
- * 220 KV LILO of one ckt Samaguri - Sarusajai line at Sonapur S/S
- * 220 KV LILO of one ckt. Vyankatpura - Achhalia line at Kawant
- * 220 KV LILO of Zainkote - Dalina at Amargarh
- * 220 KV LILO on 220 kv Deepnagar - Amalner at Viroda
- * 220 KV LILO on Vita - Pandharpur line for Varkule - Malwadi Solar (M/s. Giriraj)
- * 220 KV Ludhiana - Doraha
- * 220 KV Magarwada (PG) - Magarwada
- * 220 KV Magarwada - Ringanwada
- * 220 KV Morena (Adani) - Morena (MP)
- * 220 KV Nabha -Bhawanigarh
- * 220 KV Nakodar - Rehana
- * 220 KV Neebkarori - Mainpuri line
- * 220 KV Partur - Nagewadi line
- * 220 KV Sitapur - Nighasan line

◆ Generators

◆ Thermal

- * Kudgi STPP PH-1 Unit -3 (800 MW) was Commissioned on dated 12.03.2018
- * Mejia STPP Unit -1 (660MW) was Commissioned on 31.03.2018
- * lara Tpp Unit -1 (800 Mw) was Commissioned on 23.03.2018
- * Royal Seema TPP unit-6 (600 MW) was Commissioned on 12.03.2018
- * Baruni Ext TPP Unit-9 (250 MW) was Commissioned on 28.03.2018
- * Binjikote TPP Unit-2 (300 MW) was Commissioned on 28.03.2018

◆ Hydro

- * KishanGanga HEP Unit -1 ,2,3 (110 MW) each was Commissioned 13.21, 30.03.2018

Note 1: Data is taken from CEA and NLDC websites.

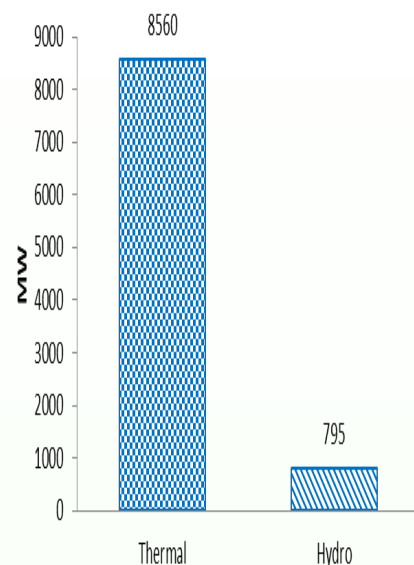
CEA : [Read more...](#)

NLDC: [Read more...](#)

All India No. of Generators Commissioned during FY 2017-18 (till Mar-2018)

Month	Thermal					Hydro					Nuclear				
	WR	NR	NER	ER	S R	WR	NR	NER	ER	SR	WR	NR	NER	ER	SR
Apr-17	3	1	0	2	2	0	0	1	2	0	0	0	0	0	0
May-17	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Jun-17	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0
Jul-17	0	0	0	1	0	0	0	2	0	0	0	0	0	0	0
Aug-17	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Sep-17	4	0	0	0	0	0	2	0	0	0	0	0	0	0	0
Oct-17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nov-17	1	0	0	0	0	0	0	1	2	1	0	0	0	0	0
Dec-17	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Jan-18	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Feb-18	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mar-18	2	0	0	2	2	0	1	0	0	0	0	0	0	0	0
Total	14	3	0	6	5	0	3	5	5	1	0	0	0	0	0

Additional Generation Capacity During FY 2017-18(Till Mar-2018)



All India No. of Line Reactors (LR), Transmission Lines (T/L), Substations (S/S) and Bus Reactors (BR) Commissioned for FY 2017-18 (till Mar-2018)

Month	800 KV		765 KV				400 KV				230 KV				220 KV				Total			
	T/L	S/S	LR	T/L	S/S	BR	LR	T/L	S/S	BR	LR	T/L	S/S	BR	LR	T/L	S/S	BR	LR	T/L	S/S	BR
Apr-17	0	0	0	2	3	0	0	9	7	0	0	2	3	0	0	4	12	0	0	17	25	0
May-17	0	0	0	1	0	0	0	16	9	0	0	1	2	0	0	5	8	0	0	23	19	0
Jun-17	0	1	0	0	1	0	0	19	17	0	0	3	2	0	0	17	25	0	0	39	47	0
Jul-17	1	0	0	3	2	0	0	9	11	0	0	0	2	0	0	0	5	0	0	13	20	0
Aug-17	0	0	0	2	1	0	0	22	14	0	0	2	0	0	0	9	5	0	0	35	20	0
Sep-17	0	1	0	2	2	0	0	11	11	0	0	0	1	0	0	8	6	0	0	21	21	0
Oct-17	0	0	0	0	0	0	0	18	7	0	0	2	0	0	0	5	10	0	0	25	17	0
Nov-17	0	0	0	0	0	0	0	12	12	0	0	0	1	0	0	7	8	0	0	19	21	0
Dec-17	0	0	0	2	3	0	0	13	11	0	0	1	0	0	0	11	9	0	0	27	23	0
Jan-18	0	0	0	0	1	0	0	1	2	0	0	0	0	0	0	0	4	0	0	1	7	0
Feb-18	0	0	0	0	2	0	0	17	5	0	0	0	2	0	0	15	22	0	0	32	31	0
Mar-18	0	0	0	11	1	0	0	78	50	0	0	2	1	0	0	33	26	0	0	124	78	0
Total	1	2	0	23	16	0	0	226	153	0	0	13	14	0	0	114	140	0	0	377	325	0

Note 2: No data for Branch Reactors (BR) and Line Reactors (LR) for the month of Mar-2018.

* Tabulated Data is up to 220 KV level.

CEA : [Read more...](#)

NLDC: [Read more...](#)



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Area of Services



Power Services



- ◆ Power System Studies
- ◆ Utility Load Forecast
- ◆ Transmission and distribution planning
- ◆ Reactive Power Optimization
- ◆ Fault MVA calculation and improvements
- ◆ GPS/GIS Asset Mapping
- ◆ Load survey
- ◆ Street light survey
- ◆ Policy making
- ◆ Implementation of Electricity Act 2003 and State Regulations
- ◆ Operation and maintenance of substation
- ◆ Power System Training
- ◆ PSS@E Training
- ◆ Power Procurement under Case-I and Case-II bidding
- ◆ Tender Preparation and Management
- ◆ Project Management Consultant
- ◆ DSM Management
- ◆ Drawl and Generation schedule optimization
- ◆ Regulatory Support
- ◆ DPR preparation for submission to JERC / CEA.
- ◆ IPDS Scheme
- ◆ UDAY Scheme
- ◆ Smart city Implementation
- ◆ Techno commercial feasibility of substation
- ◆ Techno-commercial feasibility of transmission line
- ◆ T&D CAPEX optimization
- ◆ Distribution business optimization
- ◆ Transmission business optimization
- ◆ Optimal power scheduling for system operators

- ◆ Open Access implementation, operation and management
- ◆ Resources optimization in transmission and distribution business
- ◆ Training in system operation
- ◆ Support in Regulatory matters
- ◆ Energy Accounting

Renewable Energy



- ◆ Detailed Project Report preparation
- ◆ Feasibility Study for Renewable Power Generation
- ◆ EPC of Solar Power
- ◆ O&M of Renewable Power Plant Operation

Energy Efficiency

- ◆ Energy Audit
- ◆ Development of State Designated Agency
- ◆ Development of State Nodal Agency
- ◆ Power Quality Management



IT Services

- ◆ Software for Transmission and Distribution Companies
- ◆ Regulatory Information Management System
- ◆ Complaint Management System
- ◆ Customer Care Centre
- ◆ Standard of Performance
- ◆ Document Management System
- ◆ ERP for Power Company
- ◆ Energy management system
- ◆ Optimal Power Schedule

Area of Clients

Distribution Sector

- ◆ Electricity Department of Daman and Diu
- ◆ DNH Power Distribution Corporation Ltd.

Transmission Sector

- ◆ Maharashtra State Electricity Transmission Company Ltd.
- ◆ Reliance Infrastructure Ltd.
- ◆ Electricity Department of Darda and Nagar Haveli
- ◆ Uganda Electricity Transmission Company Ltd.

Generation Sector

- ◆ Essar M.P. Power Ltd.
- ◆ Ind-Barath Power

Others

- ◆ Indian Institute of Technology, Bombay
- ◆ Alok Industries
- ◆ Abhijeet Ferrotech Ltd.
- ◆ Reliance Industries Ltd.
- ◆ Macquarie Infrastructure
- ◆ IXORA Construction
- ◆ ICRA Management and Consultancy Services
- ◆ CLP India Pvt. Ltd., Mumbai

Reach us at

Registered Office

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Corporate Office

Mumbai

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Silvassa

Flat No:A1/8, 2nd Floor, above Om Sai medical store, Opp Jalaram Temple, Kilvani naka, Silvassa - 396230.

Daman

1/320, Bhidbhajan Mahadev Chawl, Wadi Falia, New Vegetable Market, Nani Daman, Daman – 396210.

Surat

206, Santiniketan Flora Business Hub, Nr. Sanskartirth Gyanpith School, Abrama Road, Mota Varachha, Surat – 394105.



PANACEAN AT WORK FOR YOU

CONNECTING YOUR POWER NEEDS TO THE PANACEAN RESOURCES

IT SUPPORT TO YOUR POWER SOLUTIONS

- INFRASTRUCTURE MANAGEMENT (MAPS)
- COMPLAINT MANAGEMENT SYSTEM (CMS)
- REGULATORY INFORMATION MANAGEMENT SYSTEM (RIMS)
- MAINTENANCE MANAGEMENT SYSTEM (MMS)
- INVENTORY MANAGEMENT (STORE)
- OPTIMAL POWER SCHEDULE

Introduction

Power UI (Power System User Interface) is a cloud-based application specifically designed for power sectors organizations mainly, Transmission Utilities and Distribution Utilities. Presently, Power UI integrates various power system utilities such as Infrastructure management (MAPS), Complaint Management (CMS), Maintenance Management System (MMS), Regulatory Information Management system (RIMS), Inventory Management (Store).

Simple and Intuitive UI

We have kept in mind simplest ever user interface while designing the software. The user interface is so intuitive that, anyone having basic knowledge of operating computer will be able to handle various applications with ease. The technical modules only require basic training for successful operation. The software will have inbuilt guiding system for assuring hassle free completion of almost all activities.

Cloud Based:

The software run from cloud and is accessible over internet / intranet. This avoids installation of copies of software in each system. Management and upgradation of this cloud based application can become easier than ever.

Auto Backup:

The data of all enterprise applications is of utmost importance. Power UI comes with Auto Backup facility where an authorized person can schedule auto backup of full / partial data of the software. In case of data lost or hardware failure, no or minimal data is lost.

Event Notification:

The user and/or administrator will not be unaware of activities and events being carried out by the members. All activity updates will be delivered to the concerned person via appropriate notification. Apart from inbuilt notification system, such alerts can also be combined with Email and SMS notification.

ONLINE ACCESS BROWSER COMPATIBILITY



INDEPENDENT OF DATABASE



The software is compatible with Oracle, Microsoft SQL, and MySQL database.

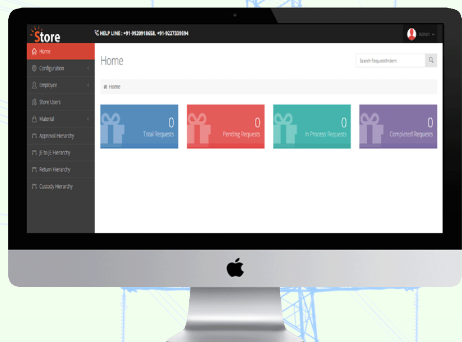
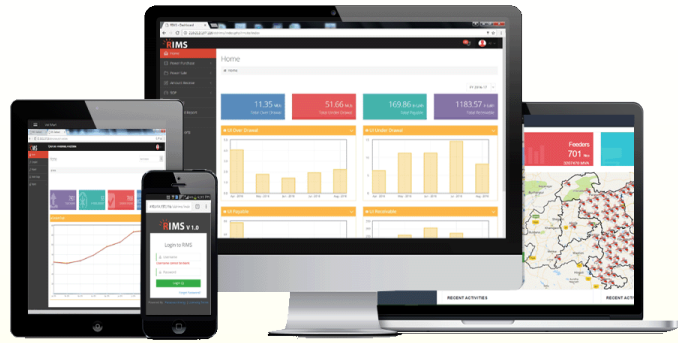
SECURITY



FLEXIBLE SOLUTIONS FOR YOUR POWER NEEDS



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RIMS REGULATORY INFORMATION MANAGEMENT SYSTEM

RIMS keeps track of power purchase, power sale, trading, DSM (formerly known as “UI”), SEM data, Reliability Indices etc. It translates every bit of information for successful derivation various reports as intended by State Electricity Regulatory Commission.

CMS COMPLAINT MANAGEMENT SYSTEM

CMS enables utility to get in touch with its consumers. At one end it provides feedback and complaints of consumers, and on the other end it provides analytical tools for identifying time-bound resolving consumer complaints and improving consumer satisfaction.

STORE INVENTORY MANAGEMENT SYSTEM (STORE):

Full proof inventory management is ensured by Store. With self-auditing feature of the software, it is ensured that no material is lost unknowingly. It ensures accountability at every step right from receipt of the material to usage of the material. It also provides handful information for material usage pattern, consumption of various material and its category, material expenses many more at micro level as well as macro level. This helps in improving our planning procedures and material management. Readily available audit reports enhances applicability of the module for financial compliances.

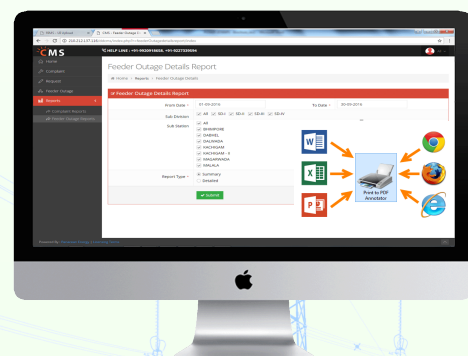
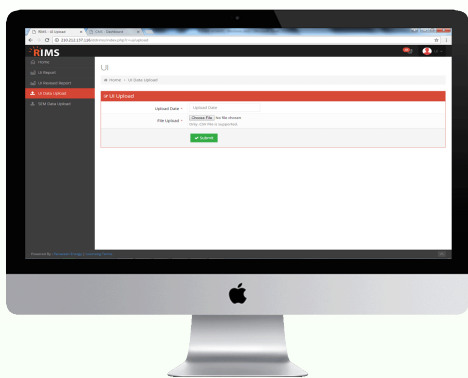
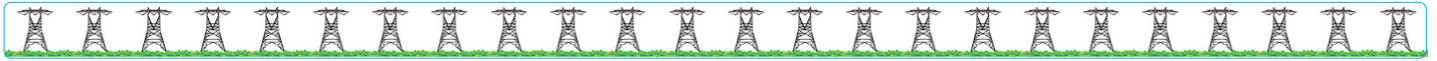


Transmission

Best Suitable Utilities

Distribution





M AINTENANCE MANAGEMENT SYSTEM (MMS)

MMS is designed to improve inbuilt maintenance management facilities and hence reduce the failure rates of equipment. With equipment being part of MMS, the concerned person is reminded for inspection and taking corrective actions. The module supports maintenance routines in various categories such as preventive maintenance, breakdown maintenance, event based maintenance, and routine maintenance. The software will ensure accountability of maintenance team and improves reliability of equipment in service.

This module contains all functionalities involved in maintenance management of a utility. Specific provisions for this objective are provided in this module as given below;

- ◆ Preventive & Routine Maintenance Operations
- ◆ Breakdown and Event based Operations

D ATA HANDLING:

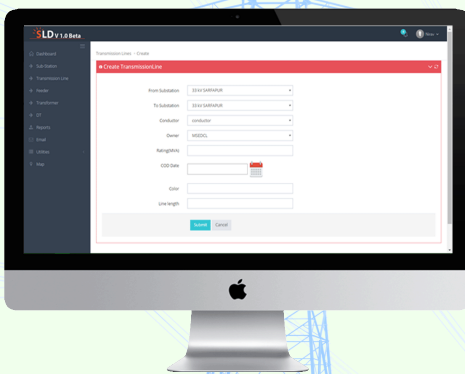
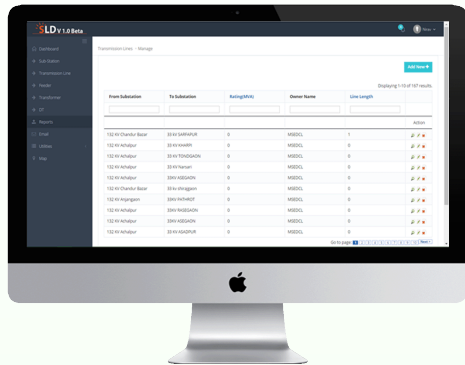
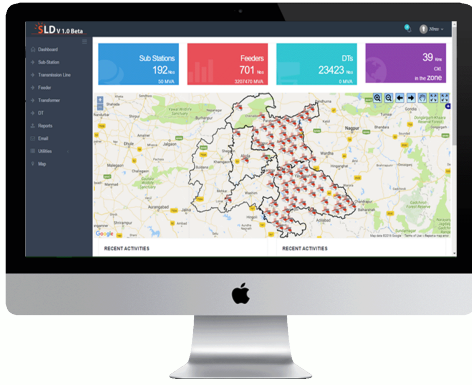
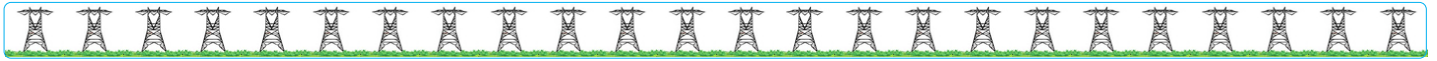
The software shall have a provision to handle huge volumes of data. Features such as import of excel files and import of data from databases shall be provided to facilitate bulk data entry and its corresponding map location display. Given below is a sample bulk data entry feature in POWERUI.

D ATA / REPORT EXPORT AND PRINTING FACILITIES:



O NLINE COMPLAINT AND FEEDBACK REPORTING

We are always listening to your feedback in terms of feature request, bug reporting, complaint, suggestion or any such thing for improving our service for your satisfaction. All such activities are only click away. User can report feedback online or by calling us on our helpline numbers.



MAPS includes infrastructure mapping of various assets of a utility. All assets with geotag (Longitude and Latitude) can be displayed and managed with ease.

POWERUI - MAPS

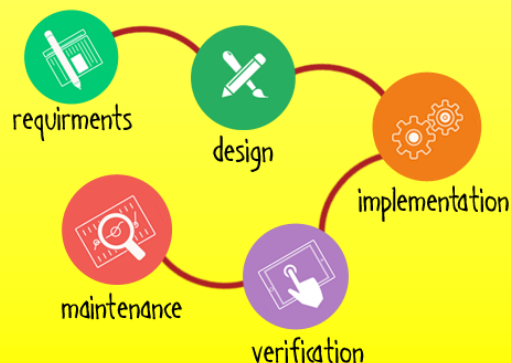
POWERUI MAPS is a map based application where all important assets and infrastructure of a Distribution company and transmission company are displayed on maps using their exact geographic coordinates. Display of all mapped distribution equipment on google maps, along with establishment of comprehensive database maintaining dynamic data of all attributes of major equipment in the distribution network is the core objective of this application. The map will be loaded with several customized user interactive features which aid in day to day monitoring and supervision of operations of the distribution network. Along with this, features facilitating operations such as assignment of O & M tasks to personnel based on equipment monitoring on map, tracking work status and review of operations on a large scale are provided in this application.

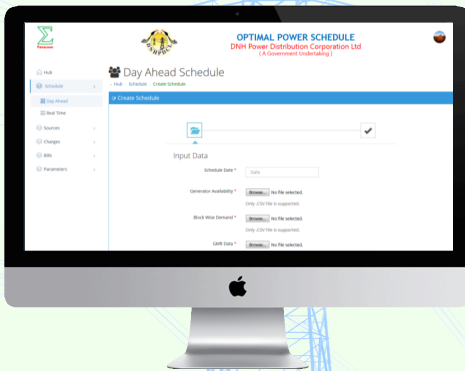
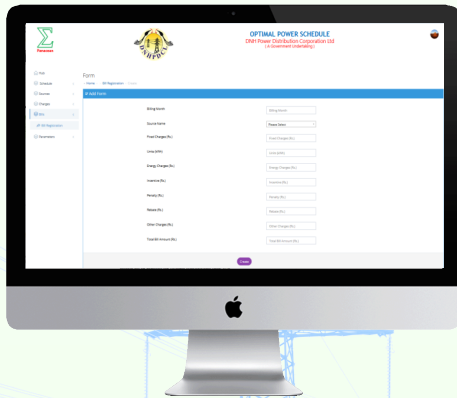
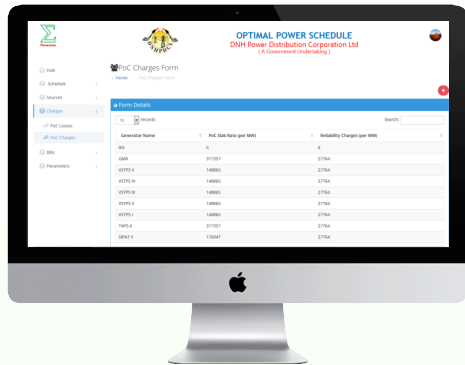
LAYER FACILITY:

LGiven a large and a highly dense network as that of MSDCL, selective viewing of different components of maps is required. The Layer facility enables the user to turn ON/OFF display of certain elements on the map. This feature provides greater clarity of viewing and ease of operation of the software.

DATABASE - MAP COMMUNICATION:

DProvision for any element to be inserted into the database or updation of any element in the database can be done through both map means and database means.

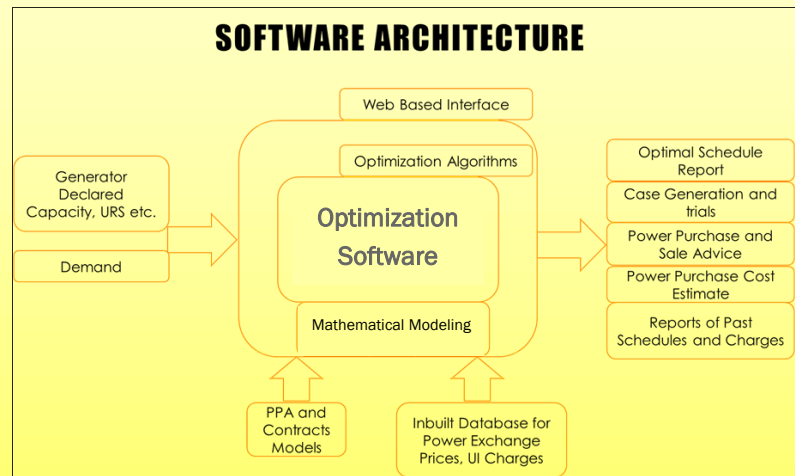




OPTIMAL POWER SCHEDULING SOFTWARE

The primary objective of this software shall be to provide Cost optimal generator wise day ahead schedule (MW) based on block wise demand of the utility and declared capacity of the generator; subject to all major constraints, with an account of all possible factors in determining the merit order of generators for each block.

Introduction: Optimal Power Scheduling is a custom made software for Power Distribution companies and load dispatch centres. Based on the principles of optimization, this software models complex issues of power purchase such as Power purchase agreements (PPA), Power Exchange, Un-scheduled Interchange (UI), and Un-requisitioned Surplus (URS) etc. into a single integrated platform using a industrial popular software to get an optimal power purchase solution. The schematic diagram of Optimal Power Scheduling Software is shown below,



FEATURES

- ◆ Day ahead and Intra-day optimal solutions for bidding.
- ◆ PPA Modelling concept, governing all PPA terms and Conditions.
- ◆ Analysis of Power Exchange and DSM prices based on Historical data.
- ◆ Indicative Power Purchase and Sale Solutions to bid optimally at the Power Market.
- ◆ Block wise Power Purchase cost estimation to explore all possible options to limit power purchase expenditure.
- ◆ Reports to analyse and summarize power scheduling over a period of time.