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4th International Conclave

Transmission & Distribution

25 - 26 May 2012

Mumbai, India

Theme :
12th Plan Targets for
'Power Evacuation' & the Road Map

“Round Table Meet”

A 'Brain Storming' Session
of Power utilities

Theme :
Open Access in Distribution & Revival of SEB's health

Partner State :



Government of
Gujarat

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INDIA-TECH presents

“Round Table Meet”

A ‘Brain Storming’ Session of State Power utilities

Theme : Open Access in Distribution & Revival of SEB's health

25 - 26 May 2012 - Mumbai, India



Theme : 12th Plan Targets for ‘Power Evacuation’ & the Road Map

THE PROGRAMME

Day - I : Friday, 25th May 2012

9.30 am – 10.00 am : Registration & Tea / Coffee

10.00 am – 11.00 am : Partner State Session

Gujarat - Some Achievements of its Power Utilities

Guest of Honour :

Hon'ble Mr. Saurabh Patel, Minister for Energy, Govt. of Gujarat

Some Case Studies of Power Transmission & Distribution Sectors in Gujarat

- **Mr. S. K. Negi**, MD, Gujarat Energy Transmission Corpn. Ltd.
- **Mr. S. B. Khyalia**, ED-Finance, Gujarat Urja Vikas Nigam Ltd.

11.00 am – 11.30 am : Tea/Coffee Break

11.30 am – 1:00 pm : Round Table Session-I : Some of the Best Case Studies in Distribution Sector

Session Chairman :

Mr. Ashok Awasthi, Executive Director , REC Ltd

State Power Utilities invited from :

- Gujarat: “Exploring On New Concept on Demand Side Management In Agriculture Sector”
- **Mr. N. Srivastava**, Managing Director, Uttar Gujarat Vij Co. Ltd
- “PGVCL's success story in Power Distribution”
- **Mr. K M Bhuvra**, Chief Engineer, Paschim Gujarat Vij Co. Ltd.
- West Bengal: “WBSEDCL's success story in Power Distribution”
- **Mr. Niranjana Saha**, Chief Engineer, WBSEDCL

1.00 pm – 2.00 pm : Networking Lunch

2.00pm - 5.00 pm : Round Table Session – II : How to Improve Financial Health of State Discoms

Opening Remarks:

Mr. V. K. Shunglu

(Former Comptroller & Auditor General)
Chairman, Shunglu Committee

Moderator :

Mr. R.V Shahi (Former Secretary – Power)

Some Panelists (a partial list) :-

- **Mr. M.R. Sreenivasa Murthy**, Chairman, Karnataka Electricity Regulatory Commission
- **Mr. Ajoy Mehta**, MD, Mahavitaran
- **Mr. S. K. Negi**, MD, GETC Ltd.
- **Mr. N. Srivastava**, MD, Uttar Gujarat Vij Company Limited
- **Mr. S. B. Raval**, MD, Paschim Gujarat Vij Co. Ltd
- **Mr. M. B. Parikh**, GM - Finance, Dakshin Gujarat Vij Co. Ltd.
- **Mr. M. K. V. Rama Rao**, ED-Commercial, NTPC Ltd.
- **Mr. M Sivaprasad**, Director – Ops., Alstom T&D India Ltd.
- **Mr. Vishnu Agarwal**, MD, Technical Associates Ltd.
- **Mr. Jayant Deo**, MD & CEO, Indian Energy Exchange
- **Mr. Rupa Devi Singh**, MD & CEO, Power Exchange India
- **Mr. Yashpal Singh**, Vice President, SBI Capital Markets Ltd
- **Mr. Virender Singh**
Member, Punjab Electricity Regulatory Commission

5.00 pm – 5.30 pm : Tea/Coffee Break

5.30 pm - 7.00 pm : Inaugural Session

Welcome

Mr. Indra Mohan, President, India-Tech Foundation

Special Address : “Recommendations of the Round Table Meet”

Mr. R. V. Shahi, Former Secretary-Power, Govt. of India

Keynote Address - I

Mr. V. K. Shunglu (Former Comptroller & Auditor General)
Chairman, Shunglu Committee

Keynote Address - II

Mr. K. K. Agrawal, Member - Grid Operations, CEA

Inaugural Address

Hon'ble Mr. Sushil Kumar Shinde, Union Minister of Power

Vote of Thanks

Mr. V. K. Pandit, Former Secretary-Power, Govt. of India

7.00 pm onwards : Networking Cocktails & Dinner

Day - II : Saturday, 26th May 2012

4th International Conclave on ‘Transmission & Distribution’

Theme: Tech Innovation for Accelerated Power Evacuation & Efficient Distribution

10.00am - 1.00pm: Technical Session-I : 12th Plan Targets for ‘Power Evacuation’ & the Road Map

Session Chairman

Mr. Pankaj Kumar, ED-SEF & Planning, Power Grid Corpn.

Keynote Address : “Gearing-up to meet India's 12th Plan challenges”:

Mr. R. K. Madan, CEO, Adani Enterprises Ltd.

- “Conceptual Transmission Plan for 2017”
Dr. R. Saha, Director (Power Systems), CEA
- “Power Grid's Roadmap to meet 12th Plan Targets”
Mr. Pankaj Kumar, ED-SEF & Planning, Power Grid Corpn.
- “Smart Grid for Power Grid”
Dr. Subir Sen, Addl. GM, Power Grid Corpn of India Ltd.
- “Digital Substations”
Mr. Denis Chatrefou, Sr. Expert-HVS & Electronics, Alstom Grid, France

1.00pm - 2.00pm: Networking Lunch

2.00pm – 4.00pm: Technical Session-II: 12th Plan Targets... (Contd.)

Session Chairman

Mr. R. K. Madan, CEO, Adani Enterprises Ltd.

Co- Chairman:

Dr. R. Saha, Director (Power Systems), CEA

- “Application of High Temperature Conductors”
Mr. Prasad Pachegaokar, Sr. Manager - Technical, Apar Group
- “Application of Phase Shifting Transformers”
Mr. Jithin Sundar S.V.N, GM (BHEL Corporate R&D Hyderabad)
- “Under Ground High Voltage Power Cables”
Mr. Carlos Alberto Carreon, Head Mktg., Brugg Kabels AG, Switzerland
& **Mr. Deepal Shah**, Country Manager, Brugg Kabels India
- “Geospatial Workflows in Transmission Design”
Mr. MSV Rao, Solution Architect, Bentley Systems, India



“Round Table Meet”

A ‘Brain Storming’ Session of Power utilities



Theme :
12th Plan Targets for
‘Power Evacuation’ & the Road Map

25-26 May 2012
Hotel Orchid, Mumbai, India



At the Inaugural Session : Union Minister of Power, Sushil Kumar Shinde lighting the traditional lamp as Indra Mohan, President, India-Tech Foundation; R. V. Shahi, Former Secretary-Power; V. K. Pandit, Former Secretary-Power, and V. K. Shunglu, Chairman, Shunglu Committee look on.

A Report on the
‘Round Table Meet’ of Power Utilities
and 4th Interactive Conclave
on **Transmission & Distribution**

The 4th Interactive Conclave on Transmission & Distribution was organized by India Tech Foundation on 25-26th May 2012. A ‘Round Table Meet’ - A Brain-Storming session of State Power Utilities marked the presence of various dignitaries, delegates and experts from the field of Transmission and Distribution sectors.

The ‘Opening Session’ of the conclave kickstarted with a very informative speech of Hon’ble Mr. Saurabh Patel, Gujarat’s Minister for Energy, who said, “Policies has to be framed keeping in view the coal cost and long term power purchase agreement.

While taking any decision power players and bankers have to ensure that the consumer does not suffer at the end. Our government has started giving agricultural power for 8 hours and thereby reduced the consumption of water. Thus, water and power go hand-in-hand for the survival of the states.”

The session moved on with some case studies on Power Transmission & Distribution Sectors in Gujarat, which were presented by Mr. S. K. Negi, MD, Gujarat Energy Transmission Corpn. Ltd. and Mr. S. B. Khyalia, ED-Finance, Gujarat Urja Vikas Nigam Ltd. Following are some of the excerpts from their presentations:-

Mr. S. K. Negi, MD, Gujarat Energy Transmission Corpn. Ltd. mentioned that for consistency and long term sustainability, there is need for an efficient transmission network development on Inter State level. This could be achieved through Integration of new capacity addition from all sources

Twin Themes :
Open Access in Distribution & Revival of SEB's Health
12th Plan Targets for Power Evacuation & the Road Map

May 2012 - Mumbai, I

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The Opening Session of the 'Round Table Meet' was addressed by the Gujarat Minister of Power, Saurabh Patel. Seen in the pic (L to R) Indra Mohan, President, India-Tech Foundation; S. K. Negi, MD, GETC Ltd.; S. B. Khyalia, ED-Finance, GUVN Ltd. and Ashish Gupta, Secretary General, India-Tech Foundation

into main transmission system and strengthening & upgrading existing network for quality power supply. While formulating the 'R & M Policies' some of the factors that need to be considered are: Ageing of critical elements and its equipments failure rate, Testing and condition monitoring techniques, Obsolete Technology and equipment performance limitations, Human safety and risk element in system.

Mr. S. B. Khyalia, ED-Finance, Gujarat Urja Vikas Nigam Ltd, made an interesting presentation on Gujarat Power Sector Reforms. "Rags to Riches" he said, "Is indeed the approach of GUVNL by bifurcating the distribution companies in four ways i.e Efficiency improvement, Revenue Maximization, Cost Optimization and lastly service to end consumers. In Efficiency Improvement the parameters taken into consideration are System Improvement, Metering, Energy Accounting, Extensive installation & checking, Setting up of Special Courts & Police Stations and Rural Feeder bifurcation scheme (JGY). This has brought about Collection efficiency to 100 per cent and Timely Subsidy payments from State Govt. for subsidizing agricultural consumers and Release of new Connections through Meter only. The cost minimization policy is Debt Restructuring to bring down Interest cost, Re-negotiation of PPAs with mutual consent to bring down power purchase cost and Power tied up at competitive prices. Lastly the consumer end-to-end services projects prompt release of new connections, Quick restoration & fault analysis, Centralized Consumer Care Centre, End to End IT Solution (E-Urja) for better services, Un-interrupted Quality and Reliable 24 hours 3 phase power supply to rural areas."

Technical Session-I on "Some of the Best Case Studies in Distribution Sector"

was chaired by Mr. Ashok Awasthi, Executive Director, REC Ltd, who emphasized the need for consolidated and focused improve-

ment in Distribution sector. APDRP & R-APDRP policies have taken shape and state utilities are now benefiting from it.

The first speaker for this session was Mr. N. Srivastava, Managing Director, Uttar Gujarat Vij Co. Ltd, who spoke on Gujarat: "Exploring on New Concept on Demand Side Management in Agriculture Sector". He said that there the energy consumption was increasing due to declining groundwater level. The findings showed that 52 % of energy was consumed by agriculture sector consumer in Gujarat and the consumers were eager to find inexpensive ways to save energy. Therefore, UGVCL introduced an Incentive based Pilot Scheme, wherein based on 3 years feeder level kWh data on actual usages of pumps was monitored, month wise and HP of the pump was also measured carefully. Based on this information UGVCL established baseline consumption kWh/month for each pump and offered cash credit to farmers for use below baseline.

The second speaker was Mr. K M Bhuva, Chief Engineer, Paschim Gujarat Vij. Co. Ltd (PGVCL) who presented on "PGVCL's success story in Power Distribution". He informed that PGVCL is the largest DISCOM of Gujarat with a consumer base of 41 Lac and a revenue generation of 8,000cr. PGVCL has introduced the Rural Distribution Management - 'Jyoti Gram Yojana' which is a mechanism to facilitate Load Management by regulating power supply for agriculture consumption, without affecting supply for other consumption by Bifurcation of rural load into two separate feeders: 'Jyoti Gram Feeders' which get 24 hours continuous 3-phase power supply catering to Residential, Commercial and Industrial consumers and the other, 'Agricultural feeders' catering to demand for agricultural consumers. The Govt. Of Gujarat has also launched HVDS (KHUSHY) scheme - "Kisan Hit Urja Shakti Yojna" in Aug-2008. HVDS is reduction of



A view of the audience

“Round Table Meet”

A ‘Brain Storming’ Session of State Power utilities

Twin Themes :
Open Access in Distribution & Revival of SEB’s Health
12th Plan Targets for Power Evacuation & the Road Map

25 - 26 March 2012 - Mumbai, India

4th International Conclave
T&D
Transmission & Distribution



Session-I : Some of the Best Case Studies in Distribution Sector, chaired by ED, REC, Ashok Awasthi (3rd from left); others Seen in the pic (L to R) WBSEDCL, Chief Engineer, Niranjana Saha; Paschim Gujarat Vij Co. Ltd., Chief Engineer, K M Bhuya; and Uttar Gujarat Vij Co. Ltd, MD, N. Srivastava,

LT Lines up to negligible Level by converting it into HV Line and installing smaller size of energy efficient Distribution Transformers. Some benefits of HVDS project are: Improved voltage profile, Avoidance of excess energy purchase and drastic reduction in Transformer failure.

Mr. Niranjana Saha, Chief Engineer, WBSEDCL presented a casestudy on “WBSEDCL’s success story in Power Distribution. He said, “The government of West Bengal has launched Rural Electricity Distribution Back Bone (REDB) scheme to ensure quality power and to cope-up with massive electrification. New 33 /11 KV Sub-station construction with allied 33 KV and 11 KV line have been taken in hand at an expenditure cost of Rs 32.70 Cr. Application of GIS & GPS in RE Works in RGGVY (XI Plan) & RHhE has also been implemented for mapping entire electrical network with LAT & LONG in layers of information providing, such as, Distribution network coverage, Base map containing roads, buildings, rivers, railway crossings, Geographical location of equipments like HT & LT Poles, Transformers etc. He emphasized on the fact that the basic aim should be to introduce a system with better utilization of assets.

Technical Session – II on ‘How to Improve Financial Health of State Discoms’, was chaired by Mr. V. K. Shunglu (Former Comptroller & Auditor General) Chairman, Shunglu Committee, who informed that selling more units tend to have more losses. In the Shunglu committee report it has already been emphasized that we have to raise tariff in areas where losses are high. Proper co-ordination in monitoring the technical & commercial losses is required. In R-APDRP program, there are no reservations and therefore, it becomes difficult to estimate money required to meet expenses of public sector. Secondly, the magnitude of money required should also be estimated on technical terms, as 90% of the losses are in the Distribution sector.

The moderator for this session was Mr. R.V Shahi (Former Secretary – Power) who opined that there is a need to focus on

state related issues, such as, policies and power regulatory interventions. The state power utilities can consider buying cheaper power instead of producing it on higher cost. Private sector has now come in a big way in the XIth plan and holds a gigantic share of around 125% in the existing power scenario of our country. If the present scenario of power distribution is not taken care of then consumer will surely protest and may be forced to migrate. Public sector is not the best way to handle retail supply. 70,000 crore annual losses by state power utilities is a major problem of distribution. We need to revise the regulatory intervention and give a serious thought on what the interventions have happened and what they should be in future.



Union Power Minister was welcomed to the venue



Press Media got latest sound bites from Union Power Minister



A view of the audience



Inaugural Session : Union Power Minister, Sushil Kumar Shinde Inaugurated the 2-day Programme of 'Round Table Meet' for State Power Utilities and 4th International Conclave on Transmission & Distribution others Seen in the pic (L to R) R. V. Shahi; V. K. Shunglu; K. K. Agrawal and V. K. Pandit

Inaugural Session:

At the inaugural session of 4th Interactive Conclave on T & D and the 'Round Table Meet', Mr. Indra Mohan, President, India-Tech Foundation welcomed the Dignitaries with flowers and invited them to light up the traditional lamp to mark the inaugural ceremony while Mr. V. K. Pandit, (Former Secretary-Power) proposed a vote of thanks.

During his Welcome note Mr. Indra Mohan said "The Government of India has set an ambitious target of 80,000 MW for the 12th plan. This should be achievable as the private sector is also gearing up for taking on the challenge. In order, to support such a large expansion in generation and consumption of electricity T&D networks has to be significantly expanded and strengthened."

After the welcome note, Mr. R. V. Shahi, Former Secretary-Power, Govt. of India presented the "Recommendations of the Round Table Meet". In his special address, he said, "During the year 2011-12 power sector has added a record generation capacity of 20,000MW. There are a lot of problems occurring at the state level, which are affecting the financial health of power sector. Many states are still reluctant to buy power and resort to load shedding.

Mr. Shahi further outlined some of the major points that were discussed during this 'Round Table Meet', as follows:-

a) T & D Losses are high. Should we increase the tariff or do extensive load shedding?

Load shedding is not the solution because many a times, for example if there are 1000 customers in a certain area and 200 are stealing power, while the rest 800 are paying the bills then the increase in tariff or extensive load shedding will only penalize the poor payees. So in large areas it won't work. However if we succeed, then we should implement it in certain areas after conducting a proper survey of the same.

b) Paradigm Shift from Public to Private Sector

Over the years power sector has seen huge dominance of public sector. However, during the 10th and 11th plans, both in generation or transmission sectors has seen substantial interest and capacity generation by private sector. Thus, the dominance of power sector is now been shifted to private sector, thereby, creating new benchmarks in the industry.

c) Government franchise or privatization how to make it happen?

We need to understand that things cannot improve overnight, since this sector is controlled by states. There needs to be certain set of conditionality for it and private sector should be offered certain incentives for their active participation in power sector.

d) Regulatory commission has to play a lead role

Regulatory commission has to play a lead role and try to curb the losses that are turning high day-by-day. Also the commission needs to be proactive and responsive enough.

e) Discoms Role

Discoms need to fix the problems and find deterrent solutions on theft control. Alternate Models should also be found out.

The first keynote address was given by Mr. V. K. Shunglu (Former Comptroller & Auditor General) Chairman, Shunglu Committee. He said, "During the 12th plan we need to seriously relook and revise our a target. Considering a plant load factor at 79% the energy targets should be 50,000MW. The major benefit of this would be adding 30,000MW

less and saving a huge capitalization of around 1,20,000 crore. For real or peaking shortage adding energy is not the solution instead we should see that the sector becomes self sustainable."

Mr. K. K. Agrawal, Member - Grid Operations, CEA who presented the second keynote address informed that the government has made efforts to give quality power at reasonable rates. During the year 2011-12 there has been a record capacity addition of around 20,000MW. At present, there is a need for robust transmission network and Inter-regional transfer of surplus power.

Hon'ble Mr. Sushil Kumar Shinde, Union Minister of Power in his inaugural address said, "As a government we have to carry developers, consumers and working colleagues together. As a politician one has to go in the details in achievement of past, study the present scenario and put across a consolidated future. Our country, which had a meagre power generation capacity of 1362MW in 1948 has now achieved the power generation target of around 2, 20, 000 MW. The 2003 electricity act emphasizes for a sustainable, clean and cheap power. UPA government has taken up the target of providing 'Electricity to all by 2012' and so far 1, 50, 000 villages have been electrified. During the 12th plan the investment in power sector is estimated to be Rs 13.70 lakh crore. Government of India has been encouraging private investment through promotion of a number of Independent Power Projects, UMPPS with super critical technologies, Merchant Power Plants (MPPs) etc. Today our per capita consumption of power stands at 800 KWh. "People should be made habitual to use electricity & to pay bills regularly. Financial losses should be handled smoothly without disturbing the administrative policies and reforms."

The session concluded with a vote of thanks by Mr. V. K. Pandit, Former Secretary-Power, Govt. of India. While addressing the session, Mr. V. K. Pandit, expressed his happiness and satisfaction on Mr. Shunglu's forecast of achieving a target of around 50,000 MW of the proposed 80,000 MW during the 12th plan. He said that we need to consolidate the target, which could be revised upto 60, 000 MW. In past, we have always achieved the benchmarks set for plan and I am sure that this time also we will be able to achieve the proposed target of 60,000 MW.



IITF President, Indra Mohan presents a memento to Union Power Minister



Day - II : Technical Session-I : 12th Plan Targets for 'Power Evacuation' & the Road Map, Chaired by Power Grid, ED, Pankaj Kumar (centre) others seen in the pic (L to R) : CEA, Director, Dr. R. Saha; Adani Enterprises Ltd., CEO, R. K. Madan; Alstom Grid, Sr. Expert, Denis Chatrefou and Power Grid, Addl. GM, Dr. Subir Sen

DAY-2 of this 4th Interactive conclave meet on T & D sector continued with a session on 12th Plan Targets for 'Power Evacuation' & the Road Map which was chaired by Mr. Pankaj Kumar, Executive Director-SEF & Planning, Power Grid Corpn. of India Ltd.

Mr. R. K. Madan, CEO, Adani Enterprises Ltd. gave a key note address on "Gearing-up to meet India's 12th Plan challenges" who said, "Transmission system is the essential need or activity for allocation of power generation from the power station and deliver it to the consumers. Therefore, there is a need to build an efficient transmission system across the country. In 12th plan out of the planned 88, 000 MW, private sector looks forward to contribute about 66% of power generation. In order to get a rapid expansion of transmission systems many schemes are identified, discussed, formulated and the implementation has been started."

The first speaker was Dr. Subir Sen, Addl. General Manager, Power Grid Corporation of India Ltd. who presented on "Smart Grid for Power Grid". He said, "Smart Grid consists of a vast range of technology solutions that optimize the energy value chain. It uses digital technology to enhance security, reliability and efficiency of electric system through its delivery systems from large generation houses to electric consumers, storage resources and a vast number of distributed generations. Today, consumers aspire for digital power supply and this commercially viable sector can be termed as "Digitricity".

The next presentation was on "Conceptual Transmission Plan for 2017" presented by Dr. R. Saha, Director (Power Systems), CEA who said, "Demand growth is outstripping the growth of availability and the all India aggregate demand is estimated to about 235 GW by 12th Plan. Adequate transmission system has to be developed so as to optimally utilize the hydro-thermal mix of generation resources taking into account the concentration of coal in the Eastern part of the country and hydro power sources in the North -Eastern and Northern parts of the country."

The session moved with a presentation on "Power Grid's Roadmap to meet 12th Plan Targets" by Mr. Pankaj Kumar, Executive Director-SEF & Planning, Power Grid Corpn. of India Ltd. who informed that the Transmission growth is driven by strong GDP growth – requiring massive expansion of Power Sector, Uneven Distribution of energy resources and change in generation profile. The future initiatives should be based on a model conceptualization of linkages with SAARC countries, Backward Integration for competitive edge, Renewable Energy Infrastructure for sustainable development and Smart Grid/ City.

Finally, Mr. Denis Chatrefou, Sr. Expert - HVS & Electronics, Alstom Grid, France ended the session with a presentation on "Digital Substations" who said, growing demand of electrical energy provokes new HVDC/ UHV/ EHV cables. Instrument Transformers need to be improved as being the link between the UHV line and Protections and all secondary equipment. He introduced the concept of Digital Substation -

A global association of IEDs in the substation wherein the smart grid works on the principle of Smart < Intelligent > DCS (Digital Control System). All these IEDs communicating together with digital standardization protocols defined in IEC 61850.

The final session – A continuation on 12th Plan Targets for 'Power Evacuation' & the Road Map was chaired by Mr. R. K. Madan, CEO, Adani Enterprises Ltd. and co-chaired by Dr. R. Saha, Director (Power Systems), CEA.

Mr. Prasad Pachegaokar, Sr. Manager, Apar Group presented on "Application of High Temperature Conductors" who said, "Conductors carry the Load Current and its configuration influences interference effects. He introduced different types of High Temperature Conductors such as TACSR (Thermal resistant Aluminium alloy conductor Steel reinforced), High temperature low sag conductors, Aluminum conductor Steel Supported Conductor (ACSS, ACSS/TW) etc. He emphasized that, "New Technology High Temperature Conductors offer an attractive option for Conductors and a viable solution for uprating/upgrading of existing lines existing lines. For optimum selection, requirements should be assessed and detailed studies should be carried out on case to case basis."

Mr. Jithin Sundar S.V.N, General Manager (BHEL Corporate R & D Hyderabad) gave an informative presentation on "Application of Phase Shifting Transformers". He said, "Phase Shifting Transformers can play an important role to achieve a commitment to draw the allotted power and distribute in today's deregulated environment. The transmission utilities can economically manage their power with the help of PSTs. The PSTs are robust, cheaper and longer lasting. Therefore there is a bright future of PSTs in India in the time to come."

Mr. Carlos Alberto, Carreon Carreon, Head Mktg., Brugg Kabels AG, Switzerland & Mr. Deepal Shah, Country Manager, Brugg Kabels India jointly presented on "Under Ground High Voltage Power Cables". They said, "The major Benefits of EHV/UHV Underground Cable Systems are safe and reliable transmission system, Maintenance Free and Release of land used for OHTL. The factors that need to be considered while manufacturing the cables are: Use of base of local manufacturers, Develop own expertise for engineering and services and Develop long term relationship with reputable accessories supplier."

The last presentation of this interactive conclave meet was on "Geospatial Workflows in Transmission Design" presented by Mr. MSV Rao, Solution Architect, Bentley Systems, India. He said, "The major challenges that we come across are Right of Way (ROW), Creation of Long distance high capacity corridors and Minimal Impact on Environment. Geospatial workflow includes process of Topographic mapping, Surveying & Remote Sensing, Geological Mapping, Cadastral Studies, Terrain assessment, Vegetation Management and lastly transmission asset management."



Day - II : Technical Session-II: 12th Plan Targets was chaired by Adani Enterprises Ltd., CEO, R. K. Madan (3th from Left) others seen in the pic (L to R) : Brugg Kabels AG, Head Mktg., Carlos Alberto Carreon & Country Manager, Deepal Shah, BHEL, GM, Jithin Sundar S.V.N; Apar Group, Sr. Manager, Prasad Pachegaokar; Bentley Systems, Solution Architect, MSV Rao



Union Power Minister Sushil Kumar Shinde formally launched 14th POWER INDIA 2012 - World Innovation Summit & Expo by releasing its brochure

Some recommendations put across during the 'Round Table Meet' are as follows:-



Karnataka Electricity Regulatory Commission, Chairman, **M.R. Sreenivasa Murthy**,

"Regulatory bodies must strictly adhere to the rules and regulations and it should follow transparency in taking decisions. Adequate public notice has to be given and remedies have to be taken for disallowance offered irrationally. According to information available, nearly 35% of power generated amounting to some 300Bn units has remained unsold. We need to be also aware that while producing this energy so many million tonnes of carbon has also been fueled in the environment"

Mahavitaran, MD, **Ajoy Mehta**
 "Regulatory bodies have to play the role of pointing out the problems and the Discoms should come forward to discuss them. Feeder wise energy accounting has to be undertaken with strong monitoring of feeder"



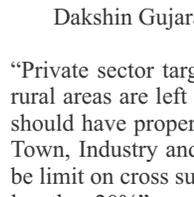
Technical Associates Ltd., MD, **Vishnu Agarwal**

There is a need for improvement in technical & commercial management skills and make them efficient to handle the discoms issues. Although, political consensus is required in terms of Technical issues, heavy political interference results into losses"



Gujarat Electricity Transmission Co. Ltd., MD **S.K. Negi**

"Operation & Maintenance should be carried out through condition monitoring. Transmission system for Renewable Energy has to be developed"



Dakshin Gujarat Vij Co. Ltd., GM-Finance **M. B. Parikh**

"Private sector targets only urban areas, while rural areas are left underdeveloped. Franchisee should have proper mixing for development of Town, Industry and Rural Areas. There should be limit on cross subsidization by reducing it to less than 20%"



Punjab Electricity Regulatory Commission, Member, **Virendar Singh**

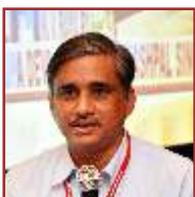
"Regulators have to give directions & various technical interventions have to take place"

Indian Energy Exchange, MD & CEO **Jayant Deo**,
 "There should be energy accountability, proper unbundling of utilities and segregation of work. Thereafter the tariff should be decided on these parameters"



Power Exchange India, MD & CEO **Rupa Devi Singh**

"The conditionality has to be there and states must have incentives to look forward to from the milestone achieved. Current push for open access without taking the state into consideration may backfire"



Alstom T&D India Ltd., Director - Ops. **M Sivaprasad**,

"Taking cost basis and percentage of improvement in deficiency factors into consideration can be one the ways for privatization without having political intervention"

NTPC Ltd., ED-Commercial, **M. K. V. Rama Rao**
 Feeder monitoring system helps to examine the MU content and reduce the feeder losses. MU content monitoring is important because it is the unit that generates money.



SBI Capital Markets Ltd, Vice President **Yashpal Singh**

The point is not about public or private sectors who can manage the discoms well. The difference comes only when there is public interference that should be handled seriously and properly by the discoms and regulatory bodies.