

PPIB endeavours to achieve generation adequacy

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As a nation we should be glad that Pakistan is entering in an era of generation adequacy after long tenure of extreme power shortages and load shedding. Since formation of the current government, Private Power & Infrastructure Board (PPIB) has been playing the most crucial role in materialising government's commitment to overcome the energy shortfalls from the country by bringing sustainable and affordable new power generation capacity. PPIB, a "One Stop Organisation" on behalf of the Government of Pakistan and its various departments to facilitate investors in setting up power generation and related infrastructure projects has been actively contributing in the economic development of the country by adding reliable and efficient

development gradually adding reliable and affordable new generating capacity to the national grid and becoming a major source of FDI in the country. With the rigorous and dedicated efforts of PPIB and full support of all the government office starting from the Power Division, Provincial entities and culminating at Prime Minister's office, the first ever coal based power project in private sector (1320 MW Sahiwal imported coal based power project) being developed under CPEC regime achieved Commercial Operations on 28th October 2017 and has been supplying reliable and affordable electricity to the national grid. Whereas the first 660 MW unit of 1320 MW Port Qasim imported coal based power project under CPEC framework has been commissioned and inaugurated by the Prime Minister 29th November 2017, while second unit of 660 MW is also connected to the grid and Commercial Operations of full complex is expected to be achieved by end of March 2018.

Both Sahiwal and Port Qasim coal based projects are completed ahead of schedule and in record time. The completion of these large scale base load coal power plants is not only helping in bridging electricity demand supply gap but also trend setting for attracting future FDI through secure and transparent policy frameworks of GOP being implemented by PPIB. All these projects are being developed in strict compliance with the international environmental/emissions standards of World Bank/IFC, etc.

Pakistan's power generation landscape is changing, and changing fast with improved fuel mix. Imported fuel based projects are being processed to meet the country's immediate electricity shortfall, whereas at the same time to trade off the anticipated impact on foreign exchange reserves, numbers of hydro and local coal based projects are also under development to cater the electricity requirements on long term basis. The second hydro IPP, 147 MW Patrind HPP has achieved Commercial Operations on 8th Novem-

PPIB's recent landmark achievements

- Synchronisation of first unit (660 MW) of 1320 MW Port Qasim imported Power Project, November 2017.
- COD of 147 MW Patrind Hydropower Project in November 2017.
- COD of 1320 MW Sahiwal Imported Coal based Project, October 2017.
- Commencement of Open Cycle Operations (2422 MW) of R-LNG based Bhikki, Balloki and Haveli Buhadar Shah Projects, Mid 2017
- 102 MW Gulpur HPP is at advance stage of construction.
- Issuance of LOS and finalization of Agreements for ±660 kV Matiari-Lahore HVDC Transmission Line Project.
- Financial Closing of 720 MW Karot HPP, February 2017
- Financial Closing of 870 MW Suki Kinari, the largest Hydro IPP, December 2016.
- Financial Closing and construction start for the first 660 MW Thar coal based project.
- Launching of new Power Generation Policy 2015
- Launching of Policy Framework for Private Sector Transmission Line Projects 2015.
- COD of 404 MW low Btu gas based Uch-II Power Project, Balochistan
- Pakistan and AJK's first hydro IPP commissioned - 84 MW New bong Escape

All Projects processed by PPIB are being developed in strict compliance with the International environmental/emissions standards of World Bank/IFC, etc.

ber 2017 which is another major landmark achievement of PPIB; while another three hydro IPPs with cumulative capacity of 1,692 (870 MW Suki Kinari, 720 MW Karot and 102 MW Gulpur) are under construction after achievement of financial close. It clearly shows the confidence of international investors' and Lenders in government policies and PPIB's facilitation.

So far PPIB has attracted a large number of leading international investors and lenders in country's power sector and currently administrating thirty three (33) commissioned IPPs with a cumulative capacity of 10,515 MW worth US\$ 12.5 billion, which is an outstanding accomplishment for the country. Presently more than 50% of electricity is fed into national grid by these IPPs.

PPIB is putting in tireless and unprecedented efforts to turn the

challenging and ambitious plan of the current government into reality regarding multiplying power generation capacity in the national grid within next few years to eliminate load shedding and to meet future growing electricity demand to boost economic growth of the country. PPIB achievements during last three-four years remained exceptionally outstanding which is evident from the fact that eleven projects of 10,275 MW achieved Financial Close and started construction, whereas Power Project(s) of 5,037 MW have been commissioned and completed during the period. Present target is to complete and commission nine projects of around 8,200 MW by end of 2018 and total nineteen IPPs of around 15,000 MW by 2021, these projects will play pivotal role in the socio-economic development of the country.

PPIB's present target is to complete and commission Nine Projects of approx. 8,200 MW by end of 2018 and total Nineteen IPPs of approx. 15,000 MW by 2021.

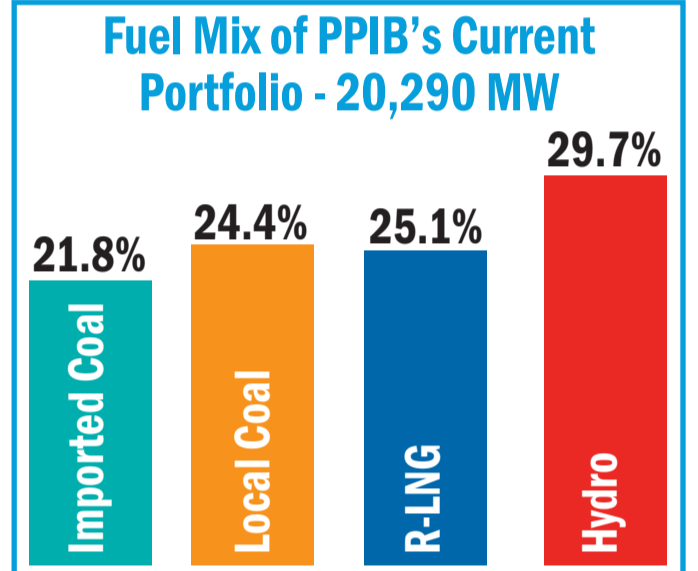
power generation to the national grid through both private and public sector's investment.

Currently PPIB is implementing two robust policy frameworks i.e. Power Generation Policy 2015 and Policy Framework for Private Sector Transmission Line Projects 2015 as launched by current government, carrying market competitive incentives and simplified procedures for the investors to attract new investments for development of new power generation projects and augmentation of transmission network in the country. These two policy frameworks received overwhelming market response, as a result PPIB is cur-

rently handling large portfolio of 30 multiple fuel based new power projects of 20,290 MW worth multi billion dollars, which are at various stages of development including fourteen hydropower project (HPP) of 6,018 MW, twelve coal based projects of 9,373 MW (five imported coal 4,423 MW and seven Thar coal based projects of 4,950 MW) and four R-LNG based public sector power projects of around 4,900 MW. Out of this port-

folio of 20,290 MW, around 4,550 MWs have already been commissioned during 2017. PPIB is also acting as front line institution of government in implementing flagship China Pakistan Economic Corridor (CPEC) Program by processing major chunk of Energy Sector's Projects under the auspices of this initiative. The current portfolio of PPIB includes; twelve multiple fuel based power generation projects of 10,934 MW worth multi billions US\$ and 900 km long, ±660 kV Matiari-Lahore HVDC Project of 4,000 MW capacity under CPEC regime. These Projects are at various stages of

development to cater the electricity requirements on long term basis. The second hydro IPP, 147 MW Patrind HPP has achieved Commercial Operations on 8th Novem-



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870 MW Suki Kinari Hydropower Project is one of the largest private sector hydropower initiative in Pakistan. A Run of the River project, the project poses minimal environmental and social impacts and due to its high design head and relatively short Intake Structure crest, it is considered one of the most cost effective hydropower schemes in the region.

This Project is listed as the highest priority Early Harvest Project of the strategic China-Pakistan Economic Corridor (CPEC). With the kind support of the Ministry of Energy, Government of Khyber Pakhtunkhwa, Pakistan Power Infrastructure Board (PPIB), Central Power Purchasing Agency (CPPA-G), National Transmission & Dispatch Company (NTDC), various other Government entities and Government of People's Republic of China and its various departments, the Financial Close for the Project was successfully achieved on 31st December 2016. This milestone made this project the largest private sector hydropower project to achieve financial close in Pakistan, the first hydropower project in CPEC to achieve financial close and the first large scale Chinese private sector hydropower financing in the history of Pakistan.

Our Destination ENERGY Sufficient PAKISTAN

14000 MW record number of new IPPs facilitated during last 2 years.

- 10,515 MW IPPs in operation
- 19,000 MW projects in pipeline
- 8,200 MW to be commissioned by end 2018
- 4,900 MW most efficient RLNG based Power Projects

Frontrunner institution for CPEC implementation

- 12 Power Generation Projects of 11,000 MW
- One HVDC Transmission Line Project
- Investment of US\$ 20 Billion

Harnessing Indigenous Resources

- 231 MW hydropower projects commissioned
- 5,900 MW hydropower projects under process
- 4,950 MW Thar coal based power generation projects under development

Private Power & Infrastructure Board
Ministry of Energy (Power Division),
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www.ppi.gov.pk