

Energy & Power Department

PEDO

The province of Khyber Pakhtunkhwa has been blessed with enormous hydel power potential. Provincial Government is putting strenuous efforts to tap this potential to meet ever increasing energy demand and redress the energy crisis. KPK Government approved its new Power Policy 2016 along with the Policy Guidelines. KP Government is the first and only among the Federal and Provincial Governments to issue these Policy Guidelines.

Energy & Power Department through Pakhtunkhwa Energy Development Organization (PEDO) is doing following to provide electricity to the national grid and to some areas through off-grid solutions. PEDO is involved in;

1. Operating 5 Electric Power projects
2. Constructing new hydel power projects in public sector
3. Promoting hydel power project for construction through private sector
4. Executing Solar Power Projects
5. Preparing feasibility studies for future projects

Completed projects.

- I. Malakand-III HPP (81MW), Dargai.
- II. Pehur HPP (18), Swabi.
- III. Reshun HPP (4.2 MW) Chitral.
- IV. Shishi HPP (1.8 MW), Chitral,
- V. Machai Canal HPP 2.6 MW

Total Generation 107.6 MW. (Reshun is fully damaged due to flood)

Revenue: PKR 2.5 Billion/year.

Projects under Construction stage

- I. 17 MW Ranolia HPP:**
 - Project was approved by ECNEC on 19-8-2011 for Rs. 4,277 million.
 - Project is completed
 - Transmission line pending
- II. 36 MW Daral Khwar HPP, Distt Swat**
 - Project was approved by ECNEC on 19-8-2011 for **Rs. 6,958 million**
 - Project is to completed by Aug 2017

(Total 56.6 MW)
- III. Karora 11.8 MW Shangla**
 - EPC Contract signed
 - To Be Completed by May 2018
- IV. Jabori 10.2 MW Mansehra**
 - EPC Contract signed
 - To be completed by May 2018

V. Koto 40MW Dir(L)

- EPC Contract signed
- To be completed by May 2018

VI. Gorkin-Matiltan 84 MW Swat

- PC-1 approved by ECNEC on 12-1-2015
- EPC contractor hired.
- To be completed by May 2019

VII. Lawi 69 MW Chitral

- Financial bids opened.
- Revised PC-1 pending with CDWP from last one year.
- PC-1 Cost Rs. 20087 Million
- EPC contractor hired.
- To be completed by May 2019

VIII. 356 Mini Micro Hydrel power projects in 12 northern districts of Khyber Pakhtunkhwa (35 MW)

- 150 projects completed
- 168 are under construction stage

I - The following 6 sites have been offered in the Private sector and there is a very encouraging initial response from the local and foreign investors. The estimated cost of these projects is in USD 1435 Million. In addition to the above 6 project the Sharmai HPP has been offered as Semi Raw Site to Private sector.

S.N	Name of Scheme	Location	Capacity (MW)	Est Cost (M US\$)
1	Naran Dam HPP, Mansehra	Manshera	188	440
2	Sharmai HPP District	Dir Upper	150	359
3	Shigokach HPP, Lower Dir	Lower Dir	102	320
4	Arkari GOL HPP, Chitral	Chitral	99	183
5	Batakundi HPP, Mansehra	Manshera	96	368
6	Ghor Band HPP, Shangla	Shangla	21	74
7	Nandihar HPP, Battagram	Battagram	12	50
	Total		<u>668</u>	<u>1,794</u>

II. Projects developed through FWO

S#	Name of Scheme	Location	Capacity (MW)	Estimated cost (USD million)
1	Shushgai-Zhendoli HPP	Chitral	144	288
2	Shogo-Sin HPP	Chitral	132	270
3	Laspur Marigram HPP	Chitral	230	552
	Total		506	1110

III. 10 Hydro Projects FOR CPEC

S#	Name of Project	Location	Capacity (MW)	Estimated cost (USD million)	Status
1	Kari- Mushkur HPP	Chitral	446	1748	F/S not completed
2	Torcamp- Guddubar HPP	Chitral	409	1534	F/S not completed
3	Gabral- Kalam HPP	Swat	110	413	F/S not completed
4	Mujigram- Shaghore	Chitral	64	182	F/S Completed
5	Barikot Patrak	Lower Dir	47	148	F/S Completed
6	Patrak-Shringal	Lower Dir	22	83	F/S Completed
7	Istaro-Booni HPP	Chitral	72	276	F/S Completed
8	BooniZait (Tore More Kari)	Chitral	350	753	F/S Completed
9	Jameshill More Lasht	Chitral	260	616	F/S Completed
10	Gahrit-SwirLasht	Chitral	377	1811	F/S Completed
	Total		2,157	7,564	