Pehur Hydro-Power Project:Pehur Hydropower Project (PHPP) is located in the Swabi District approximately 1 km south of Gadoon In conceived in 1993 during feasibility of the PHLC Project.However the detail Feasibility Study of Pehur HPP was conducted in 2000-01 and found component of the Pehur High Level Canal (PHLC) Project,which is located on the right bank of Indus River immediately down stream of Tarbela Gandaf Pressure tunnel is the major component of PHLC Project,which off takes from Tarbela reservoir at an elevation of 393.20 m above sea above sea level hence offers a considerable hydropower potential at the down stream end of Gandaf tunnel.Two turbines with a design head of range.

In this option 85% of the available power potential and discharge can be utilized. The total installed capacity is 18 MW and the average annua Pehur Hydropower Project (PHPP) is located in the Swabi District approximately 1 km south of Gadoon Industrial Estatewhich is situated at a dark the idea of PHPP was conceived in 1993 during feasibility of the PHLC Project. However the detail Feasibility Study of Pehur HPP was conducte Project is an independent component of the Pehur High Level Canal (PHLC) Project, which is located on the right bank of Indus River immediate Tarbela reservoir at an elevation of 393.20 m above sea level. Since the highest and lowest water retention levels of the Tarbela reservoir fluctend of Gandaf tunnel. Two turbines with a design head of 68 m will be used during high head range and one turbine with a design head of 44 m. The total installed capacity is 18 MW and the average annual energy output is estimated as 57.7 GWh with a plant factor of about 41%. The Perconstructed with a considerable low cost.

Since most of the civil works and infrastructure involved for the hydropower production including intake structure, water conveyance facilities disposal channel was readily available as components of PHLC Project. Therefore the Govt. ofKhyber Pukhtunkhawa had decided to implement

SALIENT FEATURES OF THE PROJECT

Location Swabi Capacity 18 MW

Length 4.7 km Diameter 3.1 m in steel lined & 3.4 m in concrete line

No. of Units 3 Unit Capacity 6 MW each

TurbinesType Horizontal Axis Francis Turbine Available Net Head Varies from 29 m to 85 m

Annual Energy Output 57.7 GWh

PROJECT COST: The Project cost is approximately Rs. 1.0 billion. The funding for project has been met through provincial annual development programme (ADP) and Hydel Development Fund (HDF) on equal share basis.