



PALAKKAD SMALL HYDRO COMPANY LIMITED

(A Company Promoted by District Panchayat, Palakkad)

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No. PSHC/PMHP/ Forest/ 2366 /2022-23

dated 07.02.2023

The Additional Principal Chief Conservator of Forests,
Nodal Officer, F(C) Act &
Chief Executive Officer, CAMPA,
Forest Headquarters, Vazhuthacaud,
Thiruvananthapuram.
Sir,

Sub: Diversion of 0.3 Ha of forest land in Nemmara Forest Division for
implementation of 1MW Palakkuzhy Mini Hydro Electric Project-
Clarification-reg

Ref:

1. Online Proposal No: FP/KL/HYD/18380/2016
2. Letter No.4-KLB1339/2022-BAN/874 dated 01.11.2022 of the AIGF
(central), MoEFF & CC, Bangalore.
3. Letter No. D-3927/2010 dated 06.02.2023 of the Divisional Forest
Officer, Nenmara.

The following two points are submitted for considering the proposal

1. Justification for locating project component in the forest land

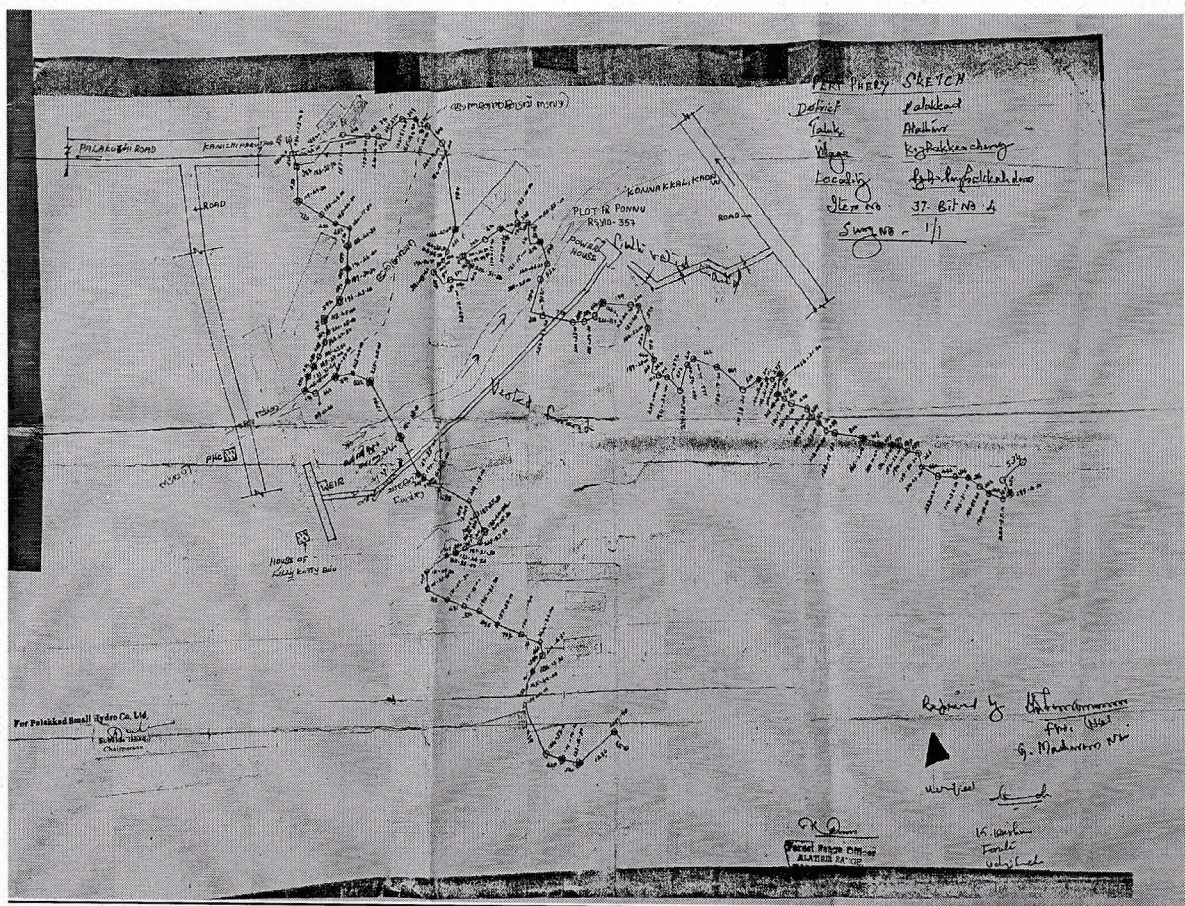
Small Hydro Electric Projects are site specific and utilize the head of water stream between power house and weir.

The proposed 1 MW Palakkuzhy Hydro Electric Project includes the construction of a diversion weir 60m long, Low Pressure Pipe (LPP) 294m long, a single inclined Penstock pipe 438m long branching into two feeder pipes, Power House with 2x500 KW installed capacity and a short tail race channel. The tail race water is diverted to the same stream after generation.

The required area for the project comprising of 2.83 ha of non-forest land and 0.3ha of forest land. The proposed diversion of forest land is for construction of penstock pipe over a length of 300 meters.

The power project proposes to construct a weir at MSL level +384m of stream of Thendillam water fall in Palakkuzhy, part of Kizhakkenchery Village 1. The penstock route to the proposed Power house passes through a part of forest land for a length of 300 meters under Puzhakkalidam Malavaram, Vested Forest item no.37/4 of Vadakkenchery section under Alathur range in Nenmara Division. The area is a steep slope lying North-South of the proposed site of the project and the difference in height is most suitable for a power project.

A periphery sketch is shown below for reference.



The project proposes to utilize the water flowing down the Palakkuzhy stream at Thendillam Water fall and generate power at 1MW capacity and 3.78 million units annual generation.

The Power house is located at MSL +159m in Kizhakkenchery village 2. The project envisages a potential of 1 MW of power by utilizing a height of 222 meters between Weir and Power House turbine centre line. The laying of part of penstock is the only component of the project which crosses the forest land and other components like weir, low pressure pipe, power house, tail race etc are situated in private land.

Either side of the proposed penstock route is also forest land extending for a few kilometres to both sides and only viable route for the penstock with minimum forest land is the proposed one. The total length of penstock comes around 732 meters and the balance length of 432 meters of penstock is through private land.

The proposed penstock route was most ideal with bare minimum forest land. There is no alternate route available for the proposed penstock.

2. Undertaking from User Agency

Vide letter referred 3rd above, it was intimated that 1Ha of degraded forest land is identified at VFC Item No.186/3 (kavassery Bit-III) under Choolannur Section of Alathur Range in Nenmara Division for planting 700 number of trees and Rs.28.41 lakhs is calculated for the cost of raising and maintenance of plantation for 10 years.

Palakkad Small Hydro company Limited is here by undertake to pay the cost of Rs.28.41 lakhs for plantation of ten times the number of trees to be felled at the proposed project site as per FC guidelines. We are willing to pay the cost immediately on receiving demand from Forest Department.

Yours faithfully

For Palakkad Small Hydro company Limited



For Palakkad Small Hydro Co. Ltd.

K. Binumol

Chairperson Cum Managing Director