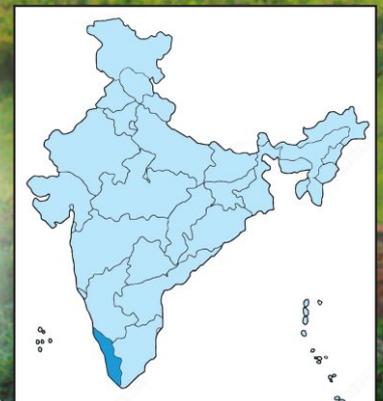


***Drawing on its R&D expertise, Aqua develops Case Specific pumps;
which help Kerala Government lower it's Energy Bills by 25%
(& Malayalee Farmers Drain / Irrigate their Paddy fields reliably)...!***

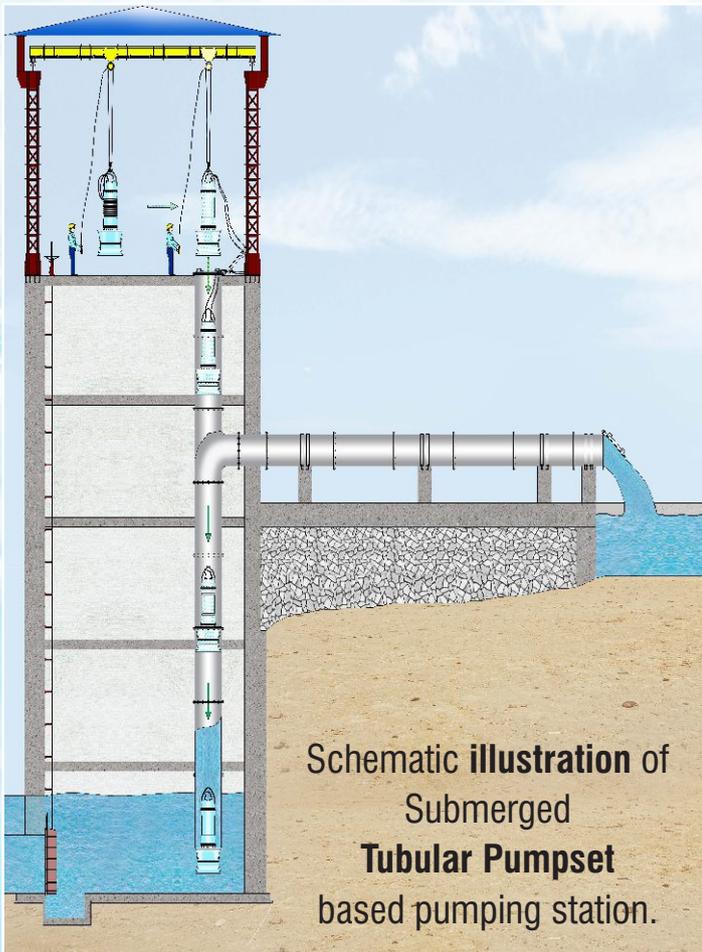
The Kerala wetlands cover an area of about 13,632 hectares spread over Thrissur and Malappuram districts & extents from Chalakudy river in south to Bharathapuzha river in the north.

These wetlands (some of which lie at or even below the Mean Sea Level) act as irregular natural drainage system through a network of canals and ponds which drains the wetlands to Rivers & finally into the Arabian sea. It is fertile with alluvium soil, agriculture is the major occupation of the people of wetlands with 90% of farmers practicing paddy cultivation.



Technology Demonstration Site:

Sr. No.	Location
1	Elavathur Kizkakku kole padavu
2	Thekakonjera kole padavu
3	Kizhakke karimpadam kole padavu venkitangu krishibhavan
4	Ponamudha kole padavu, Venkitangu krishibhavan
5	Alapad pullu kole padavu, Chazhur krishi bhavan
6	Pallipuram Alapad kole padavu, Paralam Krishibhavan
7	Ayyappan kole padavu, Chazhur krishi bhavan
8	Pulluthara kole padavu, Chazhur krishibhavan
9	Anthikkad kole padavu, Anthikkad krishi bhavan
10	Manalpuzha Kannothe kole, Mullasery
11	Manalur Thazham Kole padavu, Antikkad Krishi bhavan
12	Thannir kayal kole padave, Venkitangu krishibhavan
13	Vaddake ponnur Thazham kole padavu, Tholur Krishibhavan
14	Purathur kole padavu, Chazhur krishibhavan



Submerged Elbow pumpsets are Fully Portable & hence easily Installable.



Substantial Savings

Reduction in Pump House Space, Construction Cost & Suction piping manifold cost & complexity.



Plug & Pump

No base Plate or Coupling to align;
No priming to startup



A Strong Shaft for Fail Safe Operation



Rebuild Kerala Initiative -

“Improved infra structural facilities to overcome flood & drought in Thrissur Ponnani Kole lands for increased paddy production.”

“We feel that, as compared to the Petti Para pumps; the new technology Submerged Axial Flow pumpsets save approximately 25% Energy.”

- Dr. Sathiyam K. K.,
Dean,

Kelappaji College of Agricultural Engineering & Technology, Tavanur, Malappuram

To Whom It May Be Concern

This is to certify that M/s Alchem Industries – Mettupalayam (Coimbatore) executed work of supply, installation, trial run and commissioning of Submerged Vertical Tubular Column Axial Flow Pumpset in Thrissur district with prime mover, delivery line, panel board and all other accessories.

The details are as under:

Work Order Ref : Order No: TH II (2)20390/2018 Dated: 18.09.2018.

Work Order Value : Rs.16316000 /-

Agreement No : 24/2019-2020 Dt: 17.02.2019

Contractor : Alchem Industries, 32A-Ooty Road, Mettupalayam-641301
Coimbatore

Pump manufacturer : Aqua Machineries Pvt Limited- Ahmadabad.

Type of Pump set: AQUA Submerged Tubular Column Pumpset

Pumpset Type	Pump set Model	Motor Rating HP/K W	Qty	Discharge
Submerged Vertical Tubular Column (Canister) Axial flow pump set	ATBP_V-Tu_1st_Bo_5027_T_M_20N_415_NJ	20/15	1	250 LPS or more at 3.75 meters head
Submerged Vertical Tubular Column (Canister) Axial flow pump set	ATBP_V-Tu_1st_Bo_8054_T_LL_60N_415_NJ	60/45	1	865 LPS or more at 2.7 meters head
Submerged Vertical Tubular Column (Canister) Axial flow pump set	ATBP_V-Tu_1st_Bo_7047_T_LL_50N_415_NJ	50/37	5	775 LPS or more at 3 meters head
Submerged Vertical Tubular Column (Canister) Axial flow pump set	ATBP_V-Tu_1st_Bo_7047_T_LL_50N_415_NJ	50/37	1	750 LPS or more at 3.1 meters head
Submerged Vertical Tubular Column (Canister) Axial flow pump set	ATBP_V-Tu_1st_Bo_7047_T_LL_50N_415_NJ	50/37	1	665 LPS or more at 3.5 meters head
Submerged Vertical Tubular Column (Canister) Axial flow pump set	ATBP_V-Tu_1st_Bo_7047_T_LL_50N_415_NJ	50/37	1	665 LPS or more at 3.5 meters head
Submerged Vertical Tubular Column (Canister) Axial flow pump set	ATBP_V-Tu_1st_Bo_7047_T_LL_50N_415_NJ	50/37	2	400 LPS or more at 3.9 meters head
Submerged Vertical Tubular Column (Canister) Axial flow pump set	ATBP_V-Tu_1st_Bo_7047_T_LL_50N_415_NJ	50/37	2	585 LPS or more at 4 meters head

Date of commissioning: 2019-2020

The Overall performances of the equipments are satisfactory from the date of Commissioning.

Executive Engineer (Agri)
K. Sathiyam K. K.
0487 - 2325208

No. AE (3)931/2015 Office of the Assistant Executive Engineer (Agri)
Anayara.P.O, Thiruvananthapuram-29
Phone: 0471 2 743820 Email aeeagrivm@gmail.com
Dated: 07.07.2021

To Whomsoever it may Concern

This is to certify that M/S Alchem Industries - Mettupalayam (Coimbatore) executed work of supply, installation, Commissioning and trail run of 20 HP Horizontal Type ELBOW Axial flow pumpsets at Vellayani Kayal Padasekharam (Mangliikkary, Kanjirathadi, Pandarakkari, Nilamekkari, Thiruvananthapuram District).

The details are under.

Supply Order No. EE(2)1338/18, dated. 27.02.2019

Work order Value Rs. 49,98,000.00

Contractor Alchem industries, 32, Ooty Road, Mettupalayam - 641 301

Pump Manufacturer Aqua Machineries Pvt. Limited

Pump set Type "AQUA" Horizontal mounted Axial Flow ELBOW type.

Discharge 300 LPS (Range 330-220 LPS)

Head 3 MTS (Range 2-4 MTS)

Pump Efficiency 82%

Motor Rating 20 HP/750 RPM

Quantity 7 No's

Date of Commissioning 30.03.2020

The overall performance of the pump sets is satisfactory from the date of commissioning.

07.07.2021



M. Sathiyam K. K.
ASSISTANT EXECUTIVE ENGINEER (AGRI)
THIRUVANANTHAPURAM
ANAYARA P.O. PIN-895 029.

“We are amazed at the Simple Operation & Zero Maintenance of Aqua Submerged pumpsets”

- Pavan Kumar,

*Head; Farmer's Committee;
Pallipuram Alapad kole padavu*

Aqua Machineries Private Limited

www.aquapumps.com

Registered Office & Manufacturing Plant

Survey No. 504/1-2, 442/2, Near Haridarshan Estate, Near Express Highway, Ramol, Ahmedabad-382 445. Gujarat, India.

marketing@aquapumps.com