

REPORT TO ACCOMPANY THE DETAILED ESTIMATE OF PUMP ROOM,
PUMPSET AND PUMPING MAIN FOR O&M OF CWSS TO MANMANGALAM AND
71 HABITATIONS IN KARUR UNION OF KARUR DISTRICT UNDER REVAMPING
PROGRAMME (AAP 2017-2018)

29.76
Estimate Amount : ~~90.00~~ Lakhs

Prefatory: The Government of Tamilnadu in G.O. Ms. No. 455/MA& WS Dept dt.08.11.2006 has ordered that all the combined Water Supply Schemes are under the administrative control by District Collector and Technical control by TWAD Board. This CWSS to Manmangalam and 71 habitations in Karur union of Karur District was taken over for maintenance from 22.04.2015 and being maintained by RWS Division, Karur from 15.11.2006.

Brief description of the scheme :

The source for the above Scheme consists of one infiltration well of 3.50 dia provided in the River Cauvery near Vangal habitation. From infiltration well is pumped to 4.50 Lakh liter capacity sump at Rameswarapathi and another of main to 2.25 Lakhs liter capacity of sump at Kudukuduthanur

From 4.50 LL sump at Rameswarapathi Water pumped to 0.10 LL and 2.20 LL sump at mangasolipalayam. From these sumps water pumped to the various capacities of OHT in the 42 habitations of kadhaparai and athurpoolapalayam panchyats for distribution to the public.

From kudukuduthanur 2.25 LL sump water pumped to 0.30 LL capacity of sump at valliappampalayam. From these sumps water pumped to various capacity of OHTs in 30 habitations of manmangalam and punjaikadambankurichi panchayat for distribution to the public.

1. 150 mm DI K9 and 160 mm PVC 10KSC

Proposals: The source of the scheme is existing 3.50m Dia Infiltration well in river Cauvery near Vangal. The location of the well is very nearer to the bank of the river in Karur union. Now there is no surface flow and sub surface flow in river Cauvery., Due to this, the infiltration well becomes dry. At present the pumping of this scheme Stopped. So it is necessary to construct Pumproom with pumpset and provide new pumping main from new Infiltration well to the existing pumping main. The above proposal has been approved by the Managing Director TWAD Board Chennai under AAP proposal vide Lr.No. F.281116/DO (G)/ O&M/2017/dt.28.04.2017 for Rs.30.00lakhs.

A new 4.50m Dia infiltration well is to be constructed in the river Cauvery at a distance of 1.66KM away from the existing IW towards upstream side. From this well the water is pumped by the new 2nos. of (one no.standbye) submersible pumpset of having duty condition of 937lpm X 78m Head for Rameswarapatti sump (4.50 LL capacity) and for kudukuduthanur Sump (2.25 LL capacity). The water is conveyed from the connecting main to the ~~existing~~ ^{Proposed} pumping main by means of 160mm PVC 10 KSC pipes about 1175m to the bank of the river and inter connected to the existing Pumping main of 160mm OD PVC 10KSC pipe. ^(472 + 1175m) At the river bank, a pump room of 4mx 3m size has to be proposed to construction. The concurrence of the District Collector was obtained on . 2017

1/ps

Rate

The rate adopted in this estimate is as per current 2016-2017 schedule of rates.

Cost- This estimate cost works out to Rs. ^{29.76}~~30.00~~ lakhs (Rupees ^{Twenty nine thousand and seventy six}~~Thirty lakhs only~~) ^{Karnad only.}

Finance: The cost of this proposal will be met out from the NRDWP and SMS funds in the ratio of 60:40. Under AAP 2017-18



Assistant Engineer,

TWAD Board,

RWSSub division

kulithalai



Asst. Exe. Engineer,

TWAD Board,

Maint Sub division-II

Karur



Executive Engineer,

TWAD Board,

RWS division,

Karur


AE(m)
AEET(m)
DSE
SUPERINTENDING ENGINEER,
TWAD BOARD
ERODE - TIRUPPUR - KARUR CIRCLE
ERODE - 630 003.

(6/7)

TECHNICAL SANCTION SLIP

The Superintending Engineer /TWAD/ Erode Tiruppr Karur Circle: Erode
Administrative Sanction Proc.No. F.AAP(17-18) ERD/ AE(M)/ETKC/
2017dt.10.05.2017. for the work of providing pump room, Pump set and pumping
main under O&M CWSS to Manmangalam and 71 other habitations in Karur District
for Rs.30.00 lakhs (Rupees Thirty lakhs only).

The Technical sanction is hereby accorded for the work of for the work of
providing pump room, Pump set and pumping main under O&M CWSS to
Manmangalam and 71 other habitations in Karur District for ^{29.76}Rs.30.00 lakhs
(Rupees ^{Twenty nine and seventy six paise only}Thirty lakhs only). and registered in EE /RWS, Karur DR. No.02 / 2017-
18 /dt.11.05.2017.

Executive Engineer, TWAD Board
RWSDivision, Karur.

