

TPAC CALCULATION

	Design and construction of electrical control rooms at raw water pump house and treatment plant compound, supply, erection and commissioning of transformers and allied works (1) 500KVA at Thonithady raw water pump house,(2)400 KVA at WTP compound,(3) supply erection and commissioning of motor pump sets at RWPH, treatment plant sump pump house, Kalthotty pump house and Nariyanpara intermediate P H etc, (4)Supplying, laying and commissioning 80mm GI pumping main, (5)improvement workofKalthotty sump& pump house, (6)construction of pipe line bridge,(7) design andconstruction of 1.00LL capacity sump& pump house at Nariyanpara, (8)providing washwater disposal pipe line at WTP Alady and interconnection works etc (9) Supply and laying 350mm and 300mm DI gravity main/ pumping main pipe from Alady GLSR to Kalthotty sump (Re-arranging), (10) Supply and laying 300 mm DI pumping main from Kalthotty sump to Nariyanpara (Re-arranging) (11) Supply and Laying 250mm DI pumping main from Nariyanpara to Idukki kavala (balance work re-arranging)	
	Package I	
1	Civil Works.(a) Design and Construction of Electrical Control room, RCC Columns with foot bridge to Thonithady Raw water pumping station(1) Control room and foot bridge.	8103196.33
2	Civil Works.(a) Construction of Electrical Control room, RCC Columnswith foot bridge to Thonithady Raw water pumping station-(3)Construction of waste water drain.	404105.7
3	Civil works-(b)Construction of Electrical Control room at water treatment plant site Alady and approach road work..(1)Construction of control room	1983656
4	Civil work (b)Construction of Electrical Control room at water treatmentplant site Alady and approach road work.(2).Construction of concreteroad and retaining wall.	7211119.01
5	2(a)- Supply, erection, testing and commissioning of 400 KVA Transformer and allied works at Alady plant compound- (1)- 11 KV substation and HT equipments	970302.82
6	2(a)- Supply, erection, testing and commissioning of 400 KVA Transformer and allied works at Alady plant compound-(2)- LT / MVPANELS & ACCESSORIES	498880
7	2(a)- Supply, erection, testing and commissioning of 400 KVATransformer and allied works at Alady plant compound- (3)- DISTRIBUTION BOARDS, SWITCHGEAR & ACCESSORIES	25342

8	2(a)- Supply, erection, testing and commissioning of 400 KVA Transformer and allied works at Alady plant compound- (4)- CABLES , WIRES & ACCESSORIES	988208
9	2(a)- Supply, erection, testing and commissioning of 400 KVATransformer and allied works at Alady plant compound- (5)- EARTHING & ACCESSORIES	1081588
10	2(a)- Supply, erection, testing and commissioning of 400 KVATransformer and allied works at Alady plant compound-(6) SUBSTATIONEQUIPMENTS & MISC	52084
11	2(b)- Supply, erection, testing and commissioning of 500 KVATransformer and allied works at Thonithady raw water pump housecompound- (1)- 11 KV substation and HT equipments	1765939
12	2(b)- Supply, erection, testing and commissioning of 500 KVATransformer and allied works at Thonithady raw water pump housecompound-(2)- LT / MV PANELS & ACCESSORIES	1806133
13	2(b)- Supply, erection, testing and commissioning of 500 KVA Transformer and allied works at Thonithady raw water pump housecompound- (3)- DISTRIBUTION BOARDS, SWITCHGEAR & ACCESSORIES	25342
14	2(b)- Supply, erection, testing and commissioning of 500 KVATransformer and allied works at Thonithady raw water pump housecompound- (4)- CABLES , WIRES & ACCESSORIES	845912
15	2(b)- Supply, erection, testing and commissioning of 500 KVA Transformer and allied works at Thonithady plant compound- (5)- EARTHING & ACCESSORIES	1109488
16	2(b)- Supply, erection, testing and commissioning of 500 KVA Transformer and allied works at Thonithady raw water pump housecompound-(6) SUBSTATION EQUIPMENTS & MISC	17084
	2(b)- Supply, erection, testing and commissioning of 500 KVA Transformer and allied works at Thonithady raw water pump housecompound-(7) - SCHEME APPROVAL & POWER ALLOCATION	35000
17	4) Supply, Erection, Testing and Commissioning of 2 Nos new VerticalTurbine motor Pumpset (working voltage 3300V) having discharge of 80lps against a total head of 180 M. suction head 20.30m at Thonithady rawwater pump house	9018615.72
18	9(a) Supply, Erection, Testing and Commissioning of 2 Nos motor pumpsets at Nariyanpara pump house for pumoing to Nariampara top to GL tank	530859.84

19	9(b) Supply, Erection, Testing and Commissioning of 2 Nos motor pumpsets at Nariyanpara pump house for pumping to Mulakamedu/Kochuthovala GL tank	1520946.32
20	9(c) Supply, Erection, Testing and Commissioning of 2 Nos motor pumpsets at Kalthotty pump house pumping to Labbakada GL tank	237261.02
21	9(d) Supply, Erection, Testing and Commissioning of 2 Nos motor pumpsets at Kalthotty pump house pumping to Meppara GL tank	1334094.19
23	Supply, Erection, Testing and Commissioning of 2 Nos Centrifugal MotorPumpset having discharge of 5 lps against a total head of 81 M. suctionhead 5m at WTP sump for pumping to Alady Kurisumala GLSR.	520437.74
24	(2) - Supply, Erection, Testing and Commissioning of 2 Nos new Centrifugal motor Pumpset having discharge of 65 lps against a totalhead of 125 M. suction head 5m speed 1450 rpm at WTP sump forpumping to Kalthotty / Nariyampara sumps	6972415.86
	Total	47058010.55
	Package II	
	Package II excluding GST-	121218018.9
	Total Package I & II	168276029
LMR CALCULATION		
	Package I	
	LMR Estimate PAC	55989263
	Deduct	
1	Power allocation charges (OYEC & CD) Extension of three phase line to Kalthotti and Nariyanpara pumping station	
2	Power allocation and energization of clear water pump house at Kalthotty (Including application fee, power allocation fee , Estimate cost for service connection, Cash deposit)	1965000
3	Any additional cost for actual execution of work - Power allocation and energization of clear water pump house at Kalthotty 100 KVA (Approval from KSEB	200000

4	Power allocation and energization of clear water pump house at Nariyampara (Including application fee, power allocation fee , Estimate cost for service connection, Cash deposit) - As per intimation notice DB-2018-19/ESKNCHR/326 dated 22.03.2019 from KSEB)	920000
5	Any additional cost for actual execution of work - Power allocation and energization of clear water pump house at Nariyampara 160 KVA (Approval from KSEB)	200000
	Total deduction	3285000
	NET LMR Package-I	52704263
	Package II excluding GST-	119935752
	Total Package I&Package II	172640015

SUPERINTENDING ENGINEER

35000

LMR Estimate PAC

-1.06