

SALIENT DETAILS

Name of the Scheme	CWSS to Keelapavoor TP and 163 Rural habitation in Kadayam (Pt), Pappakudi (Pt), Keelapavoor (Pt) Unions and in Tirunelveli District		
Installation Cost	Rs.46.55 Crore		
Annual Maintenance Cost	Rs.1.35 Crore		
Per Capita Cost	Rs. 2995/-		
Cost per 1,000 Litres	Rs 9.50		
	Name of Beneficiaries	Instalation Cost (Rs.in crore)	A.M. Cost (Rs.in crore)
Proportionate Installation Cost & Annual Maintenance Cost	Keelapavoor TP	6.36	0.19
	163 Rural beneficiaries	40.19	1.16
	Total	46.55	1.35
Population and Requirement	Base Year (2014)	Intermedia te (2029)	Ultimate (2044)
Kadayam Union (74)	45778	50359	54937
Pappakudi Union (13)	15456	17003	18546
Keelapavoor Union (17)	11148	12265	13375
Keelapavoor T P (Part)	23140	26680	30580
Bulk Designed Quantity			
CWSS to Venkadampatti (28)	15735 (2006)	22075 (2021)	22075 (2021)
CWSS to Iyanthankattali(31)	44145 (1996)	52974 (2011)	60803 (2026)
Total	155402	181356	200316
Prorata Supply	90 lpcd for Town Panchayats (including existing Supply) 40 lpcd for Rural Habitations		
Net requirement of clear water (in litres), including 10% loss		8.16 MLD	9.27 MLD
Net requirement of Raw water (in litres), including 5 % loss	--	8.57 MLD	9.73 MLD
Rate of supply (Raw Water) at 23 hours pumping with minimum 10 lpm.	--	6213 lpm	7053 lpm
Source	River Tamiraparani -Nadhiyunni Anicut near Kodarankulam Village Off take arrangement		
Raw Water Pumping Main	450 mm DI K7CL pipe - 167 m		
Treatment Works	Water Treatment Units Capacity - 8.57 MLD		

Clear water sump	Clear water sump - Cap. 3.35 LL Baby sump cum pump house - 0.90 LL Clear water pump set from HW to Keelakadayam Turbine pumpset of duty 5917 lpm x 83 m
------------------	--

BOOSTER SUMPS			
Location	capacity	Pump room	Submersible pumpset (100% stand by)
Keelakadayam	1.40 LL	6 x 4 m	1244 lpm x53 m - 2 Nos 179 lpm x 57m -2 Nos
Keela Ambur	2.15 LL	2 x 2 m	384 lpm x 44 m - 2 Nos
Pappankualam	6.50 LL	6 x 4 m	958 lpm x 27m - 2 Nos for main 1070 lpm x 8 m - 2 Nos Venkadampatti Ex. CWSS 1734 lpm x 10 m - 2 Nos To lynthankattali Ex. CWSS
Collection Sumps in Town Panchayats and Village Panchayats		Proposed-24 Nos. (0.15 LL to 2.45 LL) Existing -2 Nos (0.3LL & 1.50LL)	
CLEAR WTER CONVEYING MAIN			
DI K9 & K7 Pipe (400 mm to 250 mm)		24.390 KM	
PVC pipe (200mm to 90 mm)		62.895 KM	
Total		87.285 KM	
FEEDER MAINS			
PVC pipe (200mm to 50 mm)		128.215 KM	

Name of Beneficiaries	Existing SRs							Propo - sed SRs 0.4 LL	Distri bution System (Existing) (in Km)
	0.1 LL	0.3 LL	0.5 LL	0.6 LL	1.0 LL	4.0 LL	Total		
Keelapavoor TP	3	4	2	3	1	1	14	1	27 KM

Name of Benefiaroes	Existing SRs						Prop osed SRs 0.1 LL	Distribution System (in Km)	
	0.1 LL	0.3 LL	0.6 LL	1.0 LL	Ex. CWS S	Total		Existing	Proposed
Kadayam Union	20	32	7	6	45	110	9	68.5	4.5
Keelapavoor Union	2	8	1	2		13	-	11.5	-
Pappakudi Union	4	9	4			17	-	12.75	-
Total	26	49	12	8	45	140	9	92.75	4.5