

WATER SUPPLY IMPROVEMENT SCHEME TO
UDHAGAMANDALAM MUNICIPALITY
SALIENT DETAILS

1	Administrative Sanction Accorded	Vide G.O.Ms No: 131 / Dated 14-07-2010 For Rs 27.20 Crore.
2	Technical Sanction Accorded	Vide CE/TWAD/WR/CBE– Proc.No: 11900/ F.WSIS toUdhagai Mpty/AE(D2)/CE/WR/Dt.31-08-10
3.	Scheme Implementation – Financing Pattern	KfW Grant Fund –I (Rs.8.16Crores(30%)), SMIF-TN TNUDF Loan(Rs.16.32 Core-(60%)) and ULB& Public Contribution(Rs.2.72 Crores-(10%)) Total 27.20 Crores.
4.	Beneficiary Municipality	UDHAGAMANDALAM MUNICIPALITY
5.	Total Area	30.67 Sq Km
6.	Contour	Varies From 2127 m to 2476m
7.	Total No of Wards	36 Nos
8.	Population	93,921 as per 2001 Census 103800 base year 2010 + Floating 41650 (14.846Mld) 120200 intermediate during year 2025 + Floating 49587 (17.230Mld) 136700 Ultimate during year 2040 + Floating 59500 (19.681Mld) at the rate of 120Lpcd and 25Lpcd for Floating population plus 10% system loss.
9	Source	P.V.Dam
10	Raw water Pumpset	Existing pumpsets arrangements to be utilized
11	Treatment Plant Capacity(4.50Mld+6.50Mld) 11.00Mld	Located near the existing Treatment plant
a	Cascade Aerator	Collection Tray 4.60M dia Flat Tray No.1-size 3.70m Dia Flat Tray No.2-Size 2.80m Dia Flat Tray No.3-size 1.80m dia
b	Raw water Channal	Inner Size-3.00mx.65mx0.45M
c	Sedimentation Tank	1No size(inner)38.0mx14.0mx3.0m(water Column)
d	Slow Sand filter Beds	6Nos of Beds of each size 23.0mx17.0mx2.60m(water Column)
e	Clear water Reservoir	1No -3.00LL Cap
f	Clear water Pump Room	1No of size 12.0mx8.0mx4.50M
g	Clear water Transmission main	300mm DI K9 Pipes-16136M
h	Clear water Pumpsets with Stand Bye - 2(1+1)	4144Lpmx121M Head

12	Feeder main	
	Zone I - To finger Post SR	150mm DI K9 Pipe-1050M
	Zone II- To St Marys Hills	150mm DI K9 Pipe-130M
	Zone IV-To RK Puram to Manjakorai	150mm DI K9 Pipe-370M 100mm DI K9 Pipe -3386M Manjakorai to Elk Hill Pumping 100mm DI K9 Pipe – 730M
	Zone VI – Lower Thoddabetta	250mm DI K9 pipe-2639M
	Zone VII – Lower Kodappamund	250mm DI K9 pipe-2327M
	Zone VIII- Tudor Hall Road	150mm DI K9 pipe-2151M
13	BOOSTER SUMPS	
a	At Dunmere	10000 Litres capacity
b	At Tudar Hall	30000 Litres capacity
c	In Zone Thottabetta	100000 Litres Capacity
d	In Zone VII KodappaMund	100000Litres Capacity
	Booster Pump Rooms	
a	At Dunmere and at Manjakorai	Size 3x2x3M
b	At Lower Thottabetta and Lower Kodappamund	Size 4x3x3M
	Booster Pumpsets	
	At B.P tank to Tudor hall	HSC Pump 781 Lpmx 70M Head (24HP)
	To Lower Kodappamund	HSC Pump 1922 Lpmx85M Head(72HP)
	To Lower Thottabetta	HSC Pump 2222Lpmx91M Head(89HP)
	Dunmere to RK Puram	HSC Pump 55Lpmx74M Head (2.5HP)
	DISTRIBUTION MAIN	250mm DI K9 Pipe -588M 200mm DI K9 Pipe -613M 150mm DI K9 pipe -5018M 100mm DI K9 Pipe -4201M 300mm DI K7 Pipe -2505M 250mm DI K7 Pipe- 7055M 150mm DI K7 Pipe -10358M 100mm DI K7 pipe – 18640M 80mm Gi Pipe -6735M;65mm GI pipe -987m 50mm GI pipe -2214M;32mm Gi Pipe -101M
	AM Cost	Rs .243.00Lakhs
	Per Capita cost	Present Rs.1870/- ,Ultimate Rs.1386/-