

14. WATER SUPPLY

14.4 Irrigation Facilities

There are no irrigation facilities in Nallur division because there are no rivers and tanks. Each and every house in Nallur division has dug wells and tube wells to satisfy their water needs. There are many common wells too. Farmers are watering the plantation by using sprinklers and sprayers.

14.2 Major and Medium Size Tanks

There are no major or minimum irrigation tanks in Nallur division.

14.3 Minimum Size Tanks

About 43 ponds and Ariyalai Upparu Lagoon (Capacity – 202ha) are available in Nallur division. The main purpose of the ponds is conserving the rainwater, maintaining runoff channels and facilitating to get underground water through well.

14.4 Minimum Size Tanks

S. No	Name of Minor Tank	Total Capacity (Ac. Ft)	Present Irrigable (in Arc's)
1	Kaddalik Kulam – J/89	7.3	3
2	Kallarinja Kulam -J/90	24.3	3
3	Kolichchik kulam -J/90	20.4	1.5
4	Kovil Kulam – J/90	16.5	2
5	Mathipan Kulam- J/94	160	6
6	Muthali kulam -J/99	3.32	3
7	Muthaliyar Kulam -J/90	10.6	4
8	Nanthavil Periya Kulam- J/116	24.5	45
9	Nanthavil Siriya Kulam- J/116	6.5	15
10	Navanvelik Kulam – J/94	7.3	1
11	Nayanmarkadu kulam- J/94	65.6	12
12	Paravi kulam -J/110	46.2	15
13	Pirappan Kulam – J/94	13.2	25
14	Poothavarayar Kulam- J/112	20.1	7
15	Salai Kulam – J/89	12.2	5
16	Siru Semmani Kulam – J/96	126.52	76
17	Vannan Kulam- J/94	12.7	20
18	Vannan Kulam – J/99	12.43	3
19	Vannan Kulam – J/103	57.44	8
20	Anjuthan Kulam – J/99	28.3	-
21	Chediyarthoda Kulam – J/110	-	-
22	Eachankaddu Kulam – J/90	4.3	-
23	Iyannar Kovil Kulam – J/90	12.6	-
24	Jammuna Eari – J/109	-	-
25	Karamunagu Kulam – J/90	21.2	-
26	Koodai Kulam – J/90	7.8	-
27	Muthavinayakar Kaddu Kulam – J/90	6.8	-
28	Nachimar Kovil Kulam -J/98	46.39	-
29	Nariyan Velik Kulam – J/90	20.1	-

S. No	Name of Minor Tank	Total Capacity (Ac. Ft)	Present Irrigable (in Arc's)
30	Nariyan Kundu Kulam – j/100	48.73	-
31	Neeraviyaddy Kulam – J/101	-	-
32	Neernochchithazhvu Kulam- J/96	35.59	-
33	Neernochchithazhvu Kulam- J/94	35.58 sq. ft	-
34	Pandara Kulam- J/106	87.88	-
35	Pannan Kulam – j/109	-	-
36	Piramanankadu Kulam – J/108	83.82	-
37	Pura Kulam – J/94	-	-
38	Thamarik Kulam – J/90	6.4	-
39	Thuravadi Pillayar Kulam – J/90	10.3	-
40	Vannan Kulam -J/90	15.3	-
41	Veeramakali Amman Koviladdy Kulam – J/105	54.99	-
42	Nayanmarkadu kulam – J/109	141.51	-
43	Pirrapan Kulam – J/93	57.68	-

Source: - Dept of Agrarian Development, Agrarian Service Centre Nallur, MC Jaffna, PS Nallur

14.5 Drinking Water Facilities

Drinking water is obtained from underground water through wells and tube wells. In order to enhance the quantity and quality of drinking water several infrastructure development projects are implemented including renovation and newly construction of water storage systems.

14.6. Water Supply by Dug well

Open dug wells are used to obtain drinking water and to irrigate the high land crops. About 79% of dug wells are here.

14.7 Water Supply by Tube Well

Nowadays tube wells too are used by the people, because cost for constructing tube well are very low than constructing open dug well. But increasing tube well usage will cause water salinity and water pollution in future. About 20 % of tube wells are available in the division.

14.8 Water Supply by Bowser

Throughout the Nallur division there are enough water facilities and not necessary for water supply using the bowser.

14.9 Drinking Water Facilities

Category	Water Facilities Available	
	No	Benefit Families
Common Well	128	1311
Open Well	15265	18343
Tube Well	3640	5410
Pipe Line	57	397

14.10 Water Supply by Water Supply Board

Ariyalai village and part of the Sangilianthoppu village are benefitted by water supply scheme. Ariyalai has Sithivinayagar water supply scheme and Sangilianthoppu has Saddanathar water supply scheme. These schemes are under the monitoring of Municipal Council and there is no Water Supply Board functioning in Nallur division. Approximately 0.1 % of pipe lines are currently available.

14.11 Land use pattern and irrigation

Nallur division has no irrigation facilities. Cultivation of our division depends mainly on rainfed and underground water.

14.12 Problems and Solutions

No	Problems	Solutions
1	Water impurity due to the increasing usage of agro chemicals.	Implementing laws to control the improper usage of agro chemicals.
2	Water salinity	Providing awareness to the people not to pump the underground water continuously, making guard walls in the coastal areas and maintaining the water resources available in proper condition.
3	Over Usage of ground water	Provide training for farmers about drought management Tactics
4	Oil Contamination in ground water	Conserve the rain water & Create awareness among the people about rain water harvesting
5	Water impurity due to the fecal contamination	Implementing laws to construct toilets with septic tanks.
6	Water pollution	Regular monitoring of wells, protect the ground water should be examined frequently.