

(c) Yes, Sir. A few complaints have been received in this regard.

(d) Notices have been issued to those allottees who have done illegal construction. CPWD is also attending to the complaints for whitewashing and painting of doors, after inspection of quarters by the field engineers.

#### **Ground water reserves in Kerala**

438. SHRI K.E. ISMAIL:

SHRI M.P. ACHUTHAN:

Will the Minister of WATER RESOURCES be pleased to state:

(a) whether Government has made any survey to assess the ground water reserves in Kerala particularly in Palakkad district;

(b) if so, the details thereof, district-wise;

(c) the details of the net annual groundwater availability in hectometer per year (ham/yr) for the years 2000-2009 in each taluka of Palakkad district of Kerala;

(d) the details of the allocation for domestic and industrial requirement supply up to next 25 years (ham/yr) for each taluka in this district; and

(e) the net groundwater availability for future irrigation development (ham/yr) for each taluka in this district?

THE MINISTER OF STATE IN THE MINISTRY OF WATER RESOURCES (SHRI VINCENT PALA): (a) and (b) Yes, Sir. The Central Ground Water Board (CGWB), under the Ministry of Water Resources, carries out ground water surveys and exploration periodically for assessment, monitoring and management of ground water resources in the country including Palakkad district in the State of Kerala. As per the assessment of ground water resources carried out by CGWB jointly with State Ground Water Organisation of Kerala in the year 2004, District-wise ground water availability in Kerala with block as the basic assessment unit is given in the Statement-I (See below).

(c) to (e) Block-wise details of net annual ground water availability as on March 2004, allocation for domestic and industrial water demand for domestic and industrial requirement supply upto next 25 years and net ground water availability for future irrigation development in Palakkad district are given in the Statement-II.

**Statement-I**

*District-wise ground water availability in Kerala*

Sl. No	Assessment Unit/ District	Total annual ground Water recharge	Natural discharge during nonmonsoon season	Net Annual Ground Water Available	Annual Ground Water draft for all uses			Allocation for domestic and industrial requirement upon next 25 years	Net ground water availability for future irrigation development
					Irrigation	Domestic and Industrial uses	Total		
1	2	3	4	5	6	7	8	9	10
1	Alleppey	46608	4662	41946	6324	6541	12865	7712	27910
2	Calicut	36641	2160	34481	12663	8675	21338	11145	12053
3	Ernakulam	61842	5059	56783	20186	9196	29382	11994	24902
4	Idukki	26904	2272	24632	5200	4032	9232	4932	14560
5	Kannur	59189	5127	54062	18460	7659	26119	9558	27221
6	Kasaragod	37618	3264	34354	22940	4255	27195	5834	7455
7	Kottayam	52106	5023	47083	6632	6730	13362	8217	32234
8	Malappuram	55730	4966	50764	18092	12663	30755	18331	14828
9	Palghat	82388	7355	75033	16401	16374	32775	18951	39681

1	2	3	4	5	6	7	8	9	10
10	Pathanamthitta	34699	3044	31655	5937	4114	10051	4749	20970
11	Quilon	49561	4736	44825	12531	7976	20507	9852	22478
12	Trichur	77493	7218	70275	23474	9174	32648	11692	35380
13	Trivandrum	30851	3048	27803	9206	9373	18579	11652	8068
14	Wayanad	32503	3244	29259	4081	3112	7193	5496	19682
	Total	684133	61178	622955	182127	109874	292001	140115	307422

**Statement-II**

*Block wise details of net annual ground water availability, Ground Water draft, allocation for domestic and industrial water demand and net ground water availability for future irrigation development in Palakkad district (as on 2004)*

Sl. No.	Name of the Block	Net Ground Water Availability (ham)	Annual Ground Water draft for all uses (ham)			Allocation for domestic and industrial requirement supply upto next 25 years (ham)	Net Ground water available for further irrigation development (ham)
			Irrigation	Domestic and Industrial uses	Total		
1	2	3	4	5	6	7	8
1	Kollengode	7623	1967	466	2433	619	5037
2	Nenmara	3791	703	511	1214	669	2419

1	2	3	4	5	6	7	8
3	Thrithala	2812	1424	688	2112	877	511
4	Ottapalam	3047	903	525	1428	672	1472
5	Alathur	11357	1438	956	2394	1242	8677
6	Pattambi	3537	1031	1003	2034	1274	1232
7	Palakkad	10215	1250	3080	4330	3505	5460
8	Attapadi	5403	350	249	599	357	4696
9	Kuzhalmannam	10509	1480	5084	6564	5282	3747
10	Mannarghat	6079	1011	1088	2099	1392	3676
11	Chittur	6673	3938	2116	6054	2278	457
12	Sreekrishnapuram	3987	906	608	1514	784	2297
	TOTAL	75033	16401	16374	32775	18951	39681