

GOVERNMENT OF TELANGANA
GROUND WATER DEPARTMENT
GROUND WATER LEVEL SCENARIO IN GHMC AREA
UPTO OUTER RING ROAD (ORR)- JUNE-2025

- Ground Water Department monitored water levels during June-2025 through 57 Piezometers (monitoring stations) covering 46 mandals in GHMC area upto Outer Ring Road (ORR).
- During June-2025, groundwater levels in GHMC area up to ORR varies from 1.73 m (at Bahadurpura village and mandal of Hyderabad district) to 26.05 m (Kukatpally Village & Mandal mandal of Medchal malkajgiri district) with **an average of 11.84 m bgl (Table-2)**.
- During the water year 2024-25 (upto 30th June-2025), in GHMC area upto ORR, received 37mm rainfall against normal rainfall of 108mm (65 % Deficit rainfall) whereas the State received 104 mm rainfall (20% Deficit against 130mm of normal rainfall) **(Fig.1 and Table-1)**.
- Out of 46 mandals, 03mandals received Normal rainfall (-14% to 0 %), 09 mandals received Deficit rainfall (-58 % to -28 %) and 34 mandal received Scanty rainfall (-87 % to -68 %).
- A net rise in groundwater levels of 0.49m and fall of 0.90m is observed during June-2025 in comparison with May-2025 and June-2024 months respectively in the area.
- A net fall in groundwater levels of 3.90m is observed during June-2025 in comparison to November-2024 water levels (Post monsoon, 2024) in the area.
- Shallow water levels (<5 m bgl) occupy ~<1% area, water levels between 5-10 m bgl occupy ~21% area and 10-15 m bgl occupy~43 % area and are more predominant in the area of GHMC upto ORR.
- Moderately deep water levels (15-20 m bgl) occupy ~26% of area and these occurs in north, north-western and eastern parts of the area **(Fig.2)**. Deeper water levels i.e., >20m bgl occupy ~9 % of area covering parts of Sherilingampally, Hayathnagar and Saroornagar mandals of Rangareddy district and Quthbullapur, Malkajgiri, Kukatpally Bachupally, Malkajgiri & Dundigal mandals of Medchal Malkajgiri district.
- Water levels during month of June-2025 when compared with Decadal average water levels of June (2015-2024), shows a rise (in the range from negligible value to 12.29m) in 20 mandals.
- The water level rise of >2m is observed in 07 mandals (compared to decadal average of June (2015-2024)).
- The average water levels from 2014 to 2025 (upto June'25) shows a raising trend @37 cm/year.

Sd/-K.LAXMA
DIRECTOR

Hydrograph

Monthly average Groundwater Level and Rainfall
(June-2014 to June-2025) of GHMC & upto ORR Telangana State

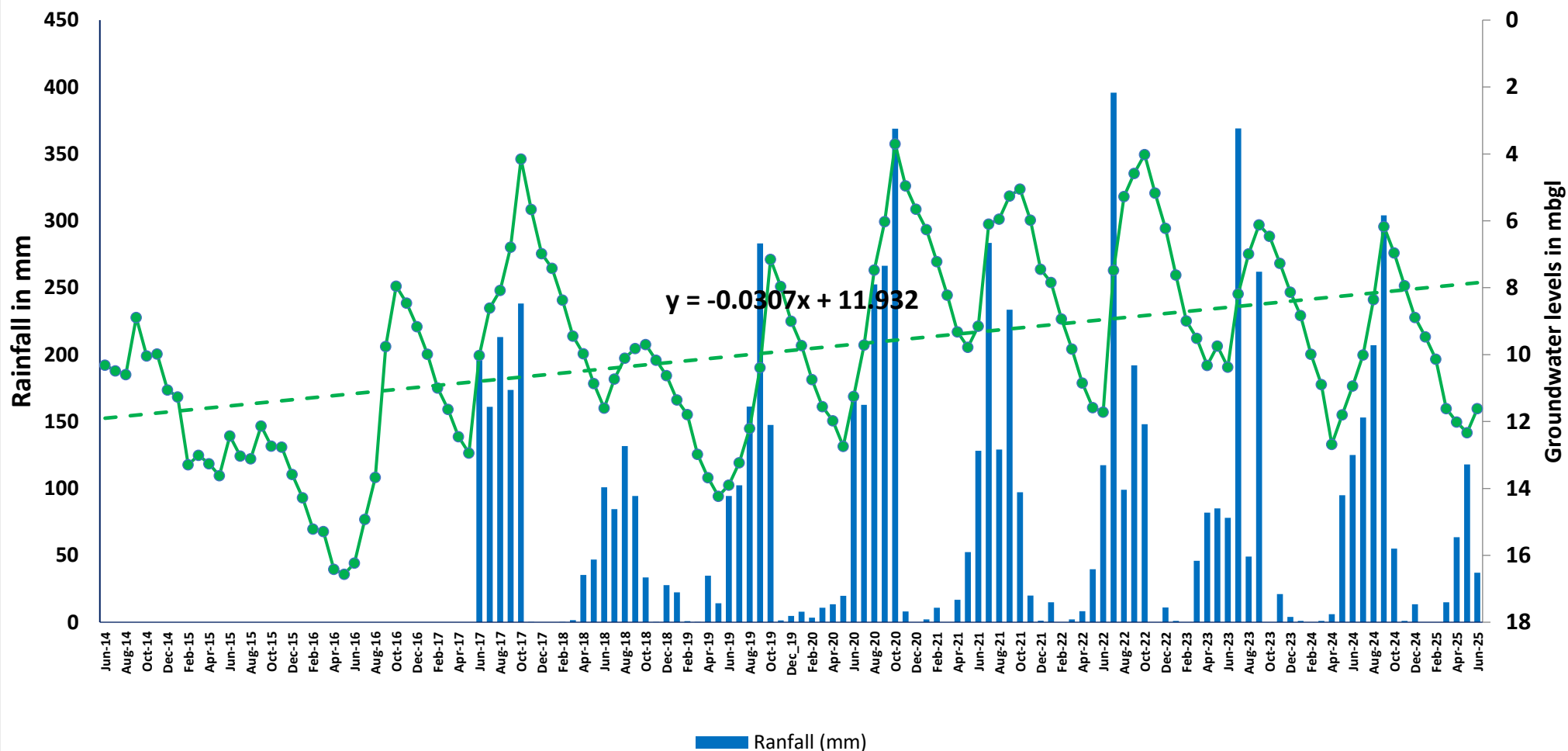


Table-1

COMPARISON OF MANDAL WISE AVERAGE DEPTH TO WATERLEVELS AND RAINFALL

S.No	District Name	Mandal Name	Rainfall(mm) up to June, 2025 (01-06-2025 TO 30-06-2025)			Average Depth to groundwater levels in (mbgl)		Fluctuation in water level during June-25 w.r.to June-24 (m)
			Actual Rainfall (June'25)	Normal Rainfall (June'25)	%Dev	Jun- 24	Jun- 25	
1	Hyderabad	Amberpet *	23	103	-77	-	-	-
2	Hyderabad	Ameerpet	28	107	-74	18.38	19.19	-0.81
3	Hyderabad	Asifnagar	20	109	-82	4.67	6.41	-1.74
4	Hyderabad	Bahadurpura	38	104	-63	1.05	1.73	-0.68
5	Hyderabad	Bandlaguda	55	103	-46	12.30	14.69	-2.39
6	Hyderabad	Charminar	29	109	-73	5.17	9.87	-4.70
7	Hyderabad	Golkonda *	20	108	-82	-	-	-
8	Hyderabad	Himayatnagar	39	105	-63	3.43	3.53	-0.11
9	Hyderabad	Khairatabad	30	110	-72	6.08	8.22	-2.14
10	Hyderabad	Maredpally	20	108	-82	15.63	19.27	-3.65
11	Hyderabad	Musheerabad	39	110	-65	8.50	7.11	1.39
12	Hyderabad	Nampally	22	112	-80	-	-	-
13	Hyderabad	Saidabad	32	104	-69	6.70	10.47	-3.77
14	Hyderabad	Secunderabad	25	111	-78	0.00	--	-
15	Hyderabad	Shaikpet	30	109	-72	3.34	2.10	1.24
16	Hyderabad	Tirumalgiri	14	110	-87	7.99	19.40	-11.41
17	Medchal_Malkajgiri	Alwal	33	106	-69	8.35	14.72	-6.37
18	Medchal_Malkajgiri	Bachupally	37	119	-69	6.30	6.93	-0.63
19	Medchal_Malkajgiri	Balanagar	15	118	-87	9.97	10.61	-0.64
20	Medchal_Malkajgiri	GandimaisammaDundigal	24	120	-80	12.36	13.18	-0.82
21	Medchal_Malkajgiri	Ghatkesar *	38	118	-68	9.50	9.88	-0.38
22	Medchal_Malkajgiri	Kapra	23	98	-76	8.30	8.24	0.05
23	Medchal_Malkajgiri	Keesara *	42	107	-61	10.97	11.71	-0.74
24	Medchal_Malkajgiri	Kukatpally	27	112	-76	16.18	17.18	-1.00
25	Medchal_Malkajgiri	Malkajgiri	24	105	-77	25.38	25.24	0.14
26	Medchal_Malkajgiri	Medchal	27	103	-74	17.47	13.76	3.72
27	Medchal_Malkajgiri	Medipally	30	116	-74	13.79	18.17	-4.38
28	Medchal_Malkajgiri	Qutbullapur	23	112	-80	12.22	11.01	1.20
29	Medchal_Malkajgiri	Shamirpet	29	75	-61	8.40	8.46	-0.05
30	Medchal_Malkajgiri	Uppal	34	113	-70	14.79	15.32	-0.53
31	Rangareddy	Abdullapurmet	61	102	-40	18.12	15.92	2.20
32	Rangareddy	Balapur	51	106	-52	9.23	8.50	0.73
33	Rangareddy	Gandipet *	13	104	-87	10.20	9.72	0.48
34	Rangareddy	Hayathnagar *	47	105	-55	-	-	-
35	Rangareddy	Ibrahimpattanam *	80	92	-14	20.42	21.41	-0.99
36	Rangareddy	Maheswaram *	99	99	0	13.96	15.20	-1.24
37	Rangareddy	Moinabad *	81	94	-13	12.35	11.94	0.42
38	Rangareddy	Rajendranagar	44	104	-58	13.02	11.63	1.39
39	Rangareddy	Saroornagar *	51	104	-51	-	-	-
40	Rangareddy	Serilingampalle	76	105	-28	-	-	-
41	Rangareddy	Shamshabad *	64	112	-43	12.76	12.94	-0.18
42	Rangareddy	Shankarpalle *	57	111	-49	14.97	15.41	-0.44
43	Sangareddy	Ameenapur	30	119	-75	1.21	-	-
44	Sangareddy	Jinnaram *	31	126	-76	16.10	13.13	2.97
45	Sangareddy	Patancheru	24	118	-80	18.64	17.90	0.74
46	Sangareddy	Ramchandrapuram	31	105	-70	17.75	4.84	12.91
ORRAVERAGE			37	108	-65			

*Piezometers considered in these Mandals are falling outside the ORR Boundary

Table-2

PIEZOMETER WISE AVERAGE DEPTH TO WATER LEVELS - JUNE-2025

S. NO.	GHMC Up to ORR			Depth to groundwater levels in (mbgl)				FLUCTUATION DURING JUNE-2025 WITH RESPECT TO (m)		
	DISTICT	Mandal	Village	Jun-24	Nov-24	May-25	Jun-25	May-25	Nov-24	Jun-24
1	HYDERABAD	Ameerpet	S.R.Nagar	20.22	19.80	20.38	20.20	0.18	-0.40	0.02
2	HYDERABAD	Ameerpet	STDC Chest Hospital, Erragadda	16.54	13.20	18.50	18.17	0.33	-4.97	-1.63
3	HYDERABAD	Asifnagar	Govt. Polytechnic, Masab Tank.	4.54	5.12	6.30	6.35	-0.05	-1.23	-1.81
4	HYDERABAD	Asifnagar	Himayanagar	2.00	1.82	2.58	2.42	0.16	-0.60	-0.42
5	HYDERABAD	Asifnagar	Kulsanapur	7.46	3.67	12.06	10.46	1.60	-6.79	-3.00
6	HYDERABAD	Bandlaguda	Chandraingutta	12.30	11.50	15.36	14.69	0.67	-3.19	-2.39
7	HYDERABAD	Bhadurpura	Bahadurpura	1.05	1.60	1.50	1.73	-0.23	-0.13	-0.68
8	HYDERABAD	Charminar	Darul Shifa	5.17	6.52	9.34	9.87	-0.53	-3.35	-4.70
9	HYDERABAD	Himayathnagar	Fever Hospital, Nallakunta	4.60	4.85	4.67	4.81	-0.14	0.04	-0.21
10	HYDERABAD	Himayathnagar	Indira Park	2.25	2.55	2.20	2.25	-0.05	0.30	0.00
11	HYDERABAD	Khairathabad	CME premises, Chinthalbasti	6.05	6.46	8.80	8.25	0.55	-1.79	-2.20
12	HYDERABAD	Khairathabad	CME premises, Chinthalbasti	6.10	6.36	8.29	8.18	0.11	-1.82	-2.08
13	HYDERABAD	Khairathabad	T.S.Secretariat		-	-	--	--	--	--
14	HYDERABAD	Maredpally	Govt.Jr.College,West Maredpally	12.10	4.15	15.38	17.30	-1.92	-13.15	-5.20
15	HYDERABAD	Maredpally	Maredpally(s)	19.15	10.85	21.59	21.24	0.35	-10.39	-2.09
16	HYDERABAD	Musheerabad	Musheerabad	8.50	5.15	7.26	7.11	0.15	-1.96	1.39
17	HYDERABAD	Nampally	Nampally	-	-	-	-	-	-	-
18	HYDERABAD	Saidabad	Juvinile home	6.70	8.64	10.80	10.47	0.33	-1.83	-3.77
19	HYDERABAD	Secunderabad	Sanjeevaiah Park, Hussian Sagar.		-	-	--	--	--	--
20	HYDERABAD	Shaikpet	Vengal Rao Park, Srinagar colony	3.34	2.25	2.99	2.10	0.89	0.15	1.24
21	HYDERABAD	Tirmalgiri	NIMH,Hasmathpet	7.99	8.75	18.94	19.40	-0.46	-10.65	-11.41
22	MEDCHAL	Alwal	Old Alwal	8.35	7.55	11.94	11.80	0.14	-4.25	-3.45
23	MEDCHAL	Alwal	Yapral Sub station**	18.60	13.18	18.35	17.63	0.72	-4.45	0.97
24	MEDCHAL	Bachupalli	Nizampet	6.30	5.38	7.45	6.93	0.52	-1.55	-0.63
25	MEDCHAL	Balanagar	Balanagar 1	6.45	6.11	10.27	10.13	0.14	-4.02	-3.68
26	MEDCHAL	Balanagar	Balanagar 2	7.09	4.58	6.10	6.23	-0.13	-1.65	0.86
27	MEDCHAL	Balanagar	Fethenagar	16.37	11.23	15.84	15.47	0.37	-4.24	0.90
28	MEDCHAL	Dundigal	Dulapally	10.79	10.35	13.72	12.83	0.89	-2.48	-2.04
29	MEDCHAL	Dundigal	Shambhirpur	13.93	9.91	14.65	13.52	1.13	-3.61	0.41
30	MEDCHAL	Kapra	Balaji Nagar	11.23	7.63	11.48	10.72	0.76	-3.09	0.51

Table-2

PIEZOMETER WISE AVERAGE DEPTH TO WATER LEVELS - JUNE-2025

S. NO.	GHMC Up to ORR			Depth to groundwater levels in (mbgl)				FLUCTUATION DURING JUNE-2025 WITH RESPECT TO (m)		
	DISTICT	Mandal	Village	Jun-24	Nov-24	May-25	Jun-25	May-25	Nov-24	Jun-24
31	MEDCHAL	Kapra	Cherlapally	5.36	2.45	5.84	8.25	-	-	-
32	MEDCHAL	Kapra	N.N Colony Kapra Sub Station**	7.31	2.15	7.10	9.91	-2.81	-7.76	-2.60
33	MEDCHAL	Kapra	Balaji Nagar Substation**	5.70	2.18	4.45	4.09	0.36	-1.91	1.61
34	MEDCHAL	Kukatpally	Kaithalapur	10.98	8.01	13.39	12.92	0.47	-4.91	-1.94
35	MEDCHAL	Kukatpally	Kukatpally 1	24.28	16.77	28.62	26.05	2.57	-9.28	-1.77
36	MEDCHAL	Kukatpally	Kukatpally 2	13.28	9.23	12.78	12.57	0.21	-3.34	0.71
37	MEDCHAL	Kukatpally	Kukatpally MRO Office**		-	-	-	-	-	-
38	MEDCHAL	Malkajgiri	Malkajgiri	25.38	20.43	25.29	25.24	0.05	-4.81	0.14
39	MEDCHAL	Medchal	Dabilpur park in GP Layout**	7.88	5.98	9.69	9.86	-0.17	-3.88	-1.98
40	MEDCHAL	Medchal	Gundla pochampally	17.47	13.82	18.39	17.65	0.74	-3.83	-0.18
41	MEDCHAL	Medipally	Medipally	13.79	10.72	16.87	15.65	1.22	-4.93	-1.86
42	MEDCHAL	Medipally	Chengicharla Sub Station**	20.30	16.01	23.03	24.00	-0.97	-7.99	-3.70
43	MEDCHAL	Medipally	Medipally ZPHS**	13.79	9.89	15.48	14.87	0.61	-4.98	-1.08
44	MEDCHAL	Qutubullapur	Gajularamaram 1	4.47	2.31	5.44	4.60	0.84	-2.29	-0.13
45	MEDCHAL	Qutubullapur	Gajularamaram 2	4.45	2.32	5.47	4.89	0.58	-2.57	-0.44
46	MEDCHAL	Qutubullapur	Jeedimetla	21.94	17.49	21.58	23.55	-1.97	-6.06	-1.61
47	MEDCHAL	Qutubullapur	Qutubullapur 2	18.00	13.15	20.07	--	--	--	--
48	MEDCHAL	Shahmirpet	Pothaipally	8.40	5.87	10.36	11.94	-1.58	-6.07	-3.54
49	MEDCHAL	Shahmirpet	DevaraYamjal Near Mission Bhagirath Compound**	9.86	3.45	5.69	4.97	0.72	-1.52	4.89
50	MEDCHAL	Uppal	Uppal	14.79	11.02	15.83	15.32	0.51	-4.30	-0.53
51	RANGAREDDY	Abdullapurmet	Kuntloor	18.12	7.40	13.70	15.92	-2.22	-8.52	2.20
52	RANGAREDDY	Balapur	Balapur (Leninnagar)	10.55	7.13	9.21	9.03	0.18	-1.90	1.52
53	RANGAREDDY	Balapur	Nadhargull	7.90	2.40	8.03	7.96	0.07	-5.56	-0.06
54	RANGAREDDY	Rajender Nagar	Rajender Nagar	13.02	8.40	12.57	11.63	0.94	-3.23	1.39
55	SANGAREDDY	Ameenpur	Kistareddypet	1.21	0.91	-	-	-	-	-
56	SANGAREDDY	Patancheru	Patancheruvu	18.64	11.47	18.30	17.90	0.40	-6.43	0.74
57	SANGAREDDY	R.C.Puram	R.C.Puram	17.75	10.58	17.17	4.84	12.33	5.74	12.91
GHMC upto ORR AVERAGE				10.94	7.94	12.33	11.84	0.49	-3.90	-0.90

Newly drilled piezometers under NHP

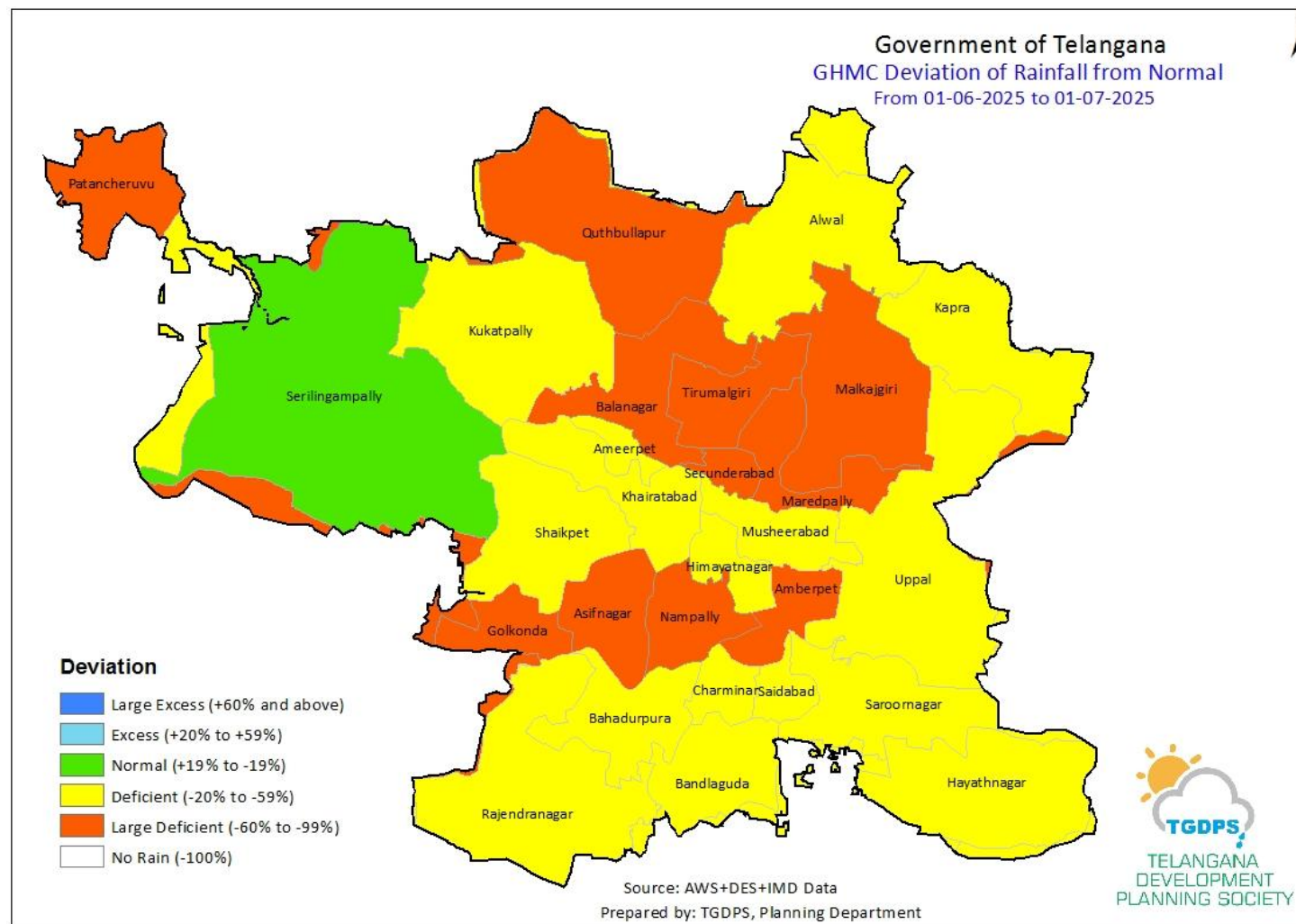


Fig.1: Mandal wise rainfall deviation for water year 2024-25 (up to 1st July, 2025), GHMC, Hyderabad.

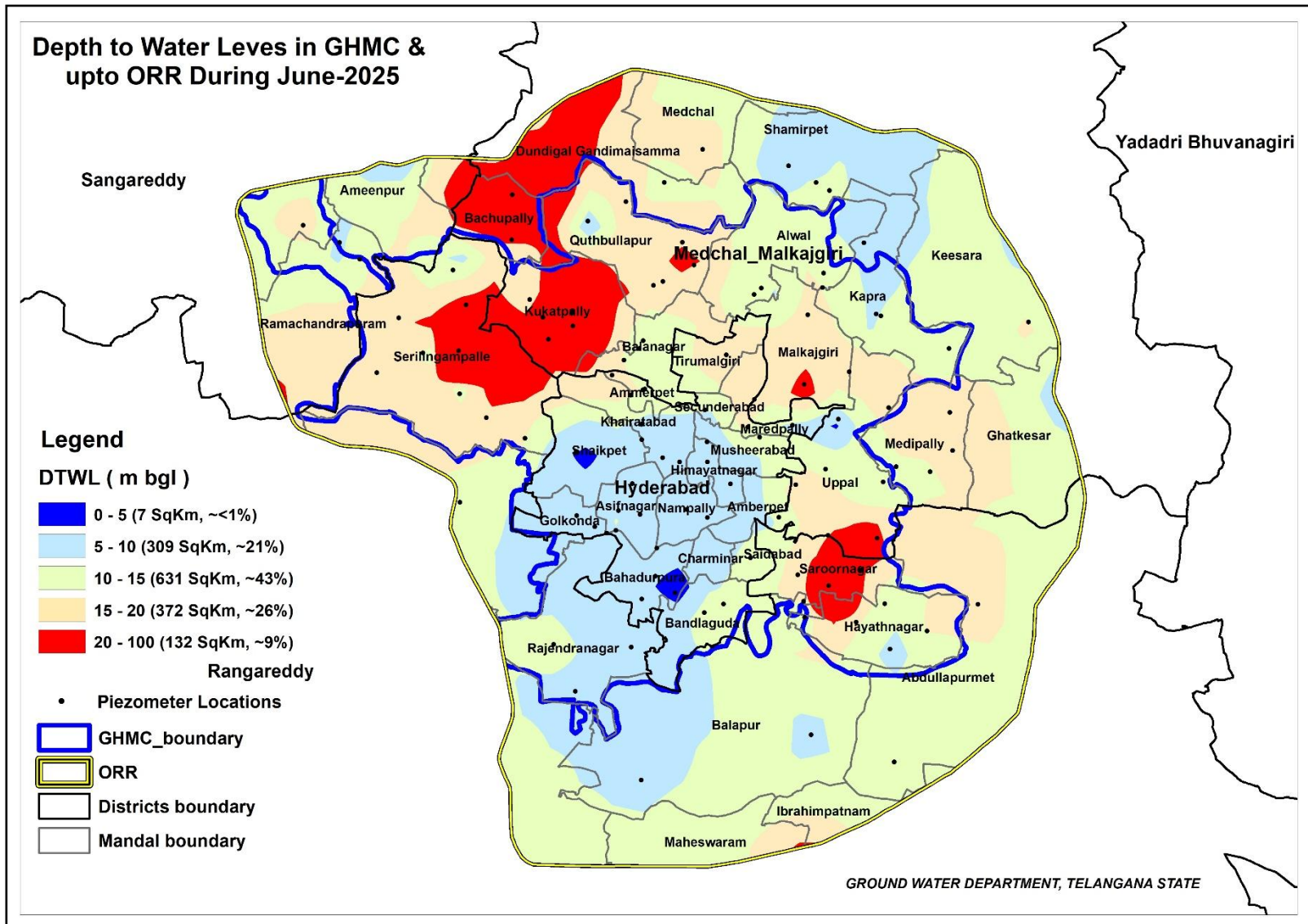


Fig.2: Depth to water levels during June-2025, GHMC area up to ORR, Hyderabad.