

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

- Ground Water Department monitored water levels during July-2025 through 57 Piezometers (monitoring stations) covering 46 mandals in GHMC area upto Outer Ring Road (ORR).
- During July-2025, groundwater levels in GHMC area up to ORR varies from 1.05 m (at Bahadurpura village and mandal of Hyderabad district) to 23.75 m (Kukatpally Village & Mandal mandal of Medchal malkajgiri district) with **an average of 10.42 m bgl (Table-2)**.
- During the water year 2024-25 (upto 31st July-2025), in GHMC area upto ORR, received 255mm rainfall against normal rainfall of 276mm (8% Deficit rainfall) whereas the State received 342 mm rainfall (4% Deficit against 358mm of normal rainfall) (**Fig.1 and Table-1**).
- Out of 46 mandals, 04mandals received Excess rainfall (24% to 34%), 30 mandals received Normal rainfall (-19% to 18%) and 09 mandals received Deficit rainfall (-52 % to -21 %).
- A net rise in groundwater levels of 1.42m and fall of 0.31m is observed during July-2025 in comparison with June-2025 and July-2024 months respectively in the area.
- A net rise in groundwater levels of 1.91m is observed during July-2025 in comparison to May-2025 water levels (Pre monsoon, 2025) in the area.
- Shallow water levels (<5 m bgl) occupy ~2% area, water levels between 5-10 m bgl occupy ~36% area and 10-15 m bgl occupy~37 % area and are more predominant in the area of GHMC upto ORR.
- Moderately deep water levels (15-20 m bgl) occupy ~20% 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 ~5 % of area covering parts of Sherilingampally and Saroornagar mandals of Rangareddy district and Malkajgiri, Kukatpally Bachupally, Malkajgiri & Dundigal mandals of Medchal Malkajgiri district.
- Water levels during month of July-2025 when compared with Decadal average water levels of July (2015-2024), shows a rise (in the range from negligible value to 9.68m) in 21 mandals.
- The water level rise of >2m is observed in 08 mandals (compared to decadal average of July (2015-2024)).
- The average water levels from 2014 to 2025 (upto July'25) shows a raising trend @36 cm/year.

Sd/-K.LAXMA
DIRECTOR

Hydrograph

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

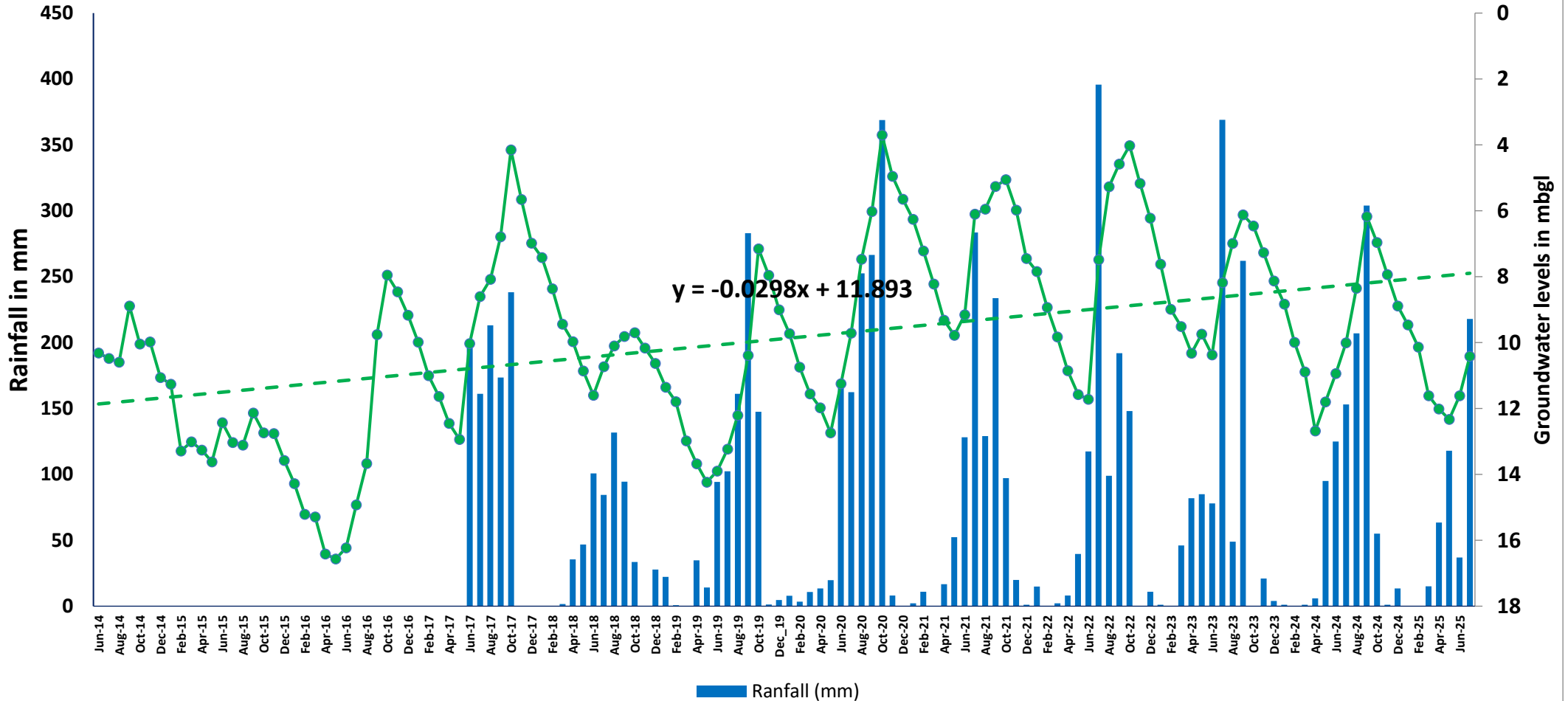


Table-1

COMPARISON OF MANDAL WISE AVERAGE DEPTH TO WATERLEVELS AND RAINFALL

S.No	District Name	Mandal Name	Rainfall(mm) up to July, 2025 (01-06-2025 TO 31-07-2025)			Average Depth to groundwater levels in (mbgl)		Fluctuation in water level during July-25 w.r.to July-24 (m)
			Actual Rainfall (July'25)	Normal Rainfall (July'25)	%Dev	Jul-24	Jul-25	
1	Hyderabad	Amberpet *	268	270	0	-	-	-
2	Hyderabad	Ameerpet	239	288	-17	12.52	18.33	-5.81
3	Hyderabad	Asifnagar	205	282	-27	8.30	6.34	1.96
4	Hyderabad	Bahadurpura	235	269	-13	5.96	1.05	4.91
5	Hyderabad	Bandlaguda	295	265	11	1.60	13.45	-11.85
6	Hyderabad	Charminar	239	280	-15	1.15	8.72	-7.57
7	Hyderabad	Golkonda *	231	276	-16	-	-	-
8	Hyderabad	Himayatnagar	264	270	-2	13.30	2.57	10.74
9	Hyderabad	Khairatabad	253	286	-12	6.18	6.60	-0.42
10	Hyderabad	Maredpally	325	283	15	7.45	15.73	-8.28
11	Hyderabad	Musheerabad	325	280	16	5.79	5.92	-0.13
12	Hyderabad	Nampally	223	282	-21	3.97	-	-
13	Hyderabad	Saidabad	233	269	-13	1.80	8.41	-6.61
14	Hyderabad	Secunderabad	280	284	-1	-	--	-
15	Hyderabad	Shaikpet	265	282	-6	3.34	1.79	1.55
16	Hyderabad	Tirumalgiri	221	285	-22	7.99	16.49	-8.50
17	Medchal_Malkajgiri	Alwal	238	254	-6	9.80	13.17	-3.37
18	Medchal_Malkajgiri	Bachupally	324	321	1	5.49	3.32	2.17
19	Medchal_Malkajgiri	Balanagar	218	301	-27	9.12	8.64	0.48
20	Medchal_Malkajgiri	GandimaisammaDundigal	213	306	-31	13.35	12.44	0.91
21	Medchal_Malkajgiri	Ghatkesar *	209	290	-28	8.45	8.54	-0.09
22	Medchal_Malkajgiri	Kapra	236	248	-5	7.66	5.98	1.68
23	Medchal_Malkajgiri	Keesara *	228	262	-13	9.72	11.21	-1.49
24	Medchal_Malkajgiri	Kukatpally	264	298	-11	14.80	14.69	0.11
25	Medchal_Malkajgiri	Malkajgiri	275	256	7	23.70	23.73	-0.03
26	Medchal_Malkajgiri	Medchal	217	279	-22	16.78	13.07	3.71
27	Medchal_Malkajgiri	Medipally	175	281	-38	12.36	17.00	-4.64
28	Medchal_Malkajgiri	Qutbullapur	252	293	-14	11.26	10.47	0.79
29	Medchal_Malkajgiri	Shamirpet	205	197	4	7.41	6.46	0.95
30	Medchal_Malkajgiri	Uppal	276	277	0	14.00	13.66	0.34
31	Rangareddy	Abdullapurmet	263	252	5	17.64	16.31	1.33
32	Rangareddy	Balapur	310	251	24	8.27	7.21	1.06
33	Rangareddy	Gandipet *	202	274	-26	9.69	9.38	0.31
34	Rangareddy	Hayathnagar *	222	256	-13	-	-	-
35	Rangareddy	Ibrahimpattanam *	291	225	30	17.53	25.00	-7.46
36	Rangareddy	Maheswaram *	335	249	34	13.97	14.63	-0.66
37	Rangareddy	Moinabad *	313	244	28	12.30	9.13	3.17
38	Rangareddy	Rajendranagar	309	279	11	12.54	10.27	2.27
39	Rangareddy	Saroonnagar *	258	255	1	-	-	-
40	Rangareddy	Serilingampalle	338	286	18	-	-	-
41	Rangareddy	Shamshabad *	334	299	12	12.24	9.98	2.26
42	Rangareddy	Shankarpalle *	274	277	-1	13.79	15.17	-1.38
43	Sangareddy	Ameenapur	235	310	-24	0.73	-	-
44	Sangareddy	Jinnaram *	164	339	-52	14.87	12.46	2.42
45	Sangareddy	Patancheru	205	301	-32	18.36	17.51	0.85
46	Sangareddy	Ramchandrapuram	232	286	-19	16.77	4.12	12.65
ORRAVERAGE			255	276	-8			

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

Table-2

PIEZOMETER WISE AVERAGE DEPTH TO WATER LEVELS - JULY-2025

S. NO.	GHMC Up to ORR			Depth to groundwater levels in (mbgl)				FLUCTUATION DURING JULY-2025 WITH RESPECT TO (m)		
	DISTICT	Mandal	Village	Jul-24	May-25	Jun-25	Jul-25	Jun-25	May-25	Jul-24
1	HYDERABAD	Ameerpet	S.R.Nagar	20.00	20.38	20.20	19.85	0.35	0.53	0.15
2	HYDERABAD	Ameerpet	STDC Chest Hospital, Erragadda	5.04	18.50	18.17	16.80	1.37	1.70	-11.76
3	HYDERABAD	Asifnagar	Govt. Polytechnic, Masab Tank.	5.09	6.30	6.35	5.57	0.78	0.73	-0.48
4	HYDERABAD	Asifnagar	Himayanagar	16.00	2.58	2.42	2.03	0.39	0.55	13.97
5	HYDERABAD	Asifnagar	Kulsanapur	3.80	12.06	10.46	11.41	-0.95	0.65	-7.61
6	HYDERABAD	Bandlaguda	Chandraingutta	1.60	15.36	14.69	13.45	1.24	1.91	-11.85
7	HYDERABAD	Bhadurpura	Bahadurpura	5.96	1.50	1.73	1.05	0.68	0.45	4.91
8	HYDERABAD	Charminar	Darul Shifa	1.15	9.34	9.87	8.72	1.15	0.62	-7.57
9	HYDERABAD	Himayathnagar	Fever Hospital, Nallakunta	9.85	4.67	4.81	3.60	1.21	1.07	6.25
10	HYDERABAD	Himayathnagar	Indira Park	16.75	2.20	2.25	1.53	0.72	0.67	15.22
11	HYDERABAD	Khairathabad	CME premises, Chinthabasti	7.27	8.80	8.25	6.80	1.45	2.00	0.47
12	HYDERABAD	Khairathabad	CME premises, Chinthabasti	5.09	8.29	8.18	6.40	1.78	1.89	-1.31
13	HYDERABAD	Khairathabad	T.S.Secretariat	-	-	--	--	--	--	--
14	HYDERABAD	Maredpally	Govt.Jr.College,West Maredpally	4.40	15.38	17.30	13.15	4.15	2.23	-8.75
15	HYDERABAD	Maredpally	Maredpally(s)	10.50	21.59	21.24	18.30	2.94	3.29	-7.80
16	HYDERABAD	Musheerabad	Musheerabad	5.79	7.26	7.11	5.92	1.19	1.34	-0.13
17	HYDERABAD	Nampally	Nampally	3.97	-	-	-	-	-	-
18	HYDERABAD	Saidabad	Juvinile home	1.80	10.80	10.47	8.41	2.06	2.39	-6.61
19	HYDERABAD	Secunderabad	Sanjeevaiah Park, Hussian Sagar.	-	-	--	--	--	--	--
20	HYDERABAD	Shaikpet	Vengal Rao Park, Srinagar colony	3.34	2.99	2.10	1.79	0.31	1.20	1.55
21	HYDERABAD	Tirmalgiri	NIMH,Hasmathpet	7.99	18.94	19.40	16.49	2.91	2.45	-8.50
22	MEDCHAL	Alwal	Old Alwal	9.80	11.94	11.80	11.54	0.26	0.40	-1.74
23	MEDCHAL	Alwal	Yapral Sub station**	17.57	18.35	17.63	14.79	2.84	3.56	2.78
24	MEDCHAL	Bachupalli	Nizampet	5.49	7.45	6.93	3.32	3.61	4.13	2.17
25	MEDCHAL	Balanagar	Balanagar 1	6.01	10.27	10.13	7.81	2.32	2.46	-1.80
26	MEDCHAL	Balanagar	Balanagar 2	5.99	6.10	6.23	4.70	1.53	1.40	1.29
27	MEDCHAL	Balanagar	Fethenagar	15.36	15.84	15.47	13.41	2.06	2.43	1.95
28	MEDCHAL	Dundigal	Dulapally	14.44	13.72	12.83	14.04	-1.21	-0.32	0.40
29	MEDCHAL	Dundigal	Shambhirpur	12.26	14.65	13.52	10.84	2.68	3.81	1.42
30	MEDCHAL	Kapra	Balaji Nagar	10.59	11.48	10.72	8.42	2.30	3.06	2.17

Table-2

PIEZOMETER WISE AVERAGE DEPTH TO WATER LEVELS - JULY-2025

S. NO.	GHMC Up to ORR			Depth to groundwater levels in (mbgl)				FLUCTUATION DURING JULY-2025 WITH RESPECT TO (m)		
	DISTICT	Mandal	Village	Jul-24	May-25	Jun-25	Jul-25	Jun-25	May-25	Jul-24
31	MEDCHAL	Kapra	Cherlapally	4.72	5.84	8.25	4.93	-	-	-
32	MEDCHAL	Kapra	N.N Colony Kapra Sub Station**	6.75	7.10	9.91	8.73	1.18	-1.63	-1.98
33	MEDCHAL	Kapra	Balaji Nagar Substation**	4.80	4.45	4.09	1.84	2.25	2.61	2.96
34	MEDCHAL	Kukatpally	Kaithalapur	9.63	13.39	12.92	10.58	2.34	2.81	-0.95
35	MEDCHAL	Kukatpally	Kukatpally 1	22.12	28.62	26.05	23.75	2.30	4.87	-1.63
36	MEDCHAL	Kukatpally	Kukatpally 2	12.64	12.78	12.57	9.74	2.83	3.04	2.90
37	MEDCHAL	Kukatpally	Kukatpally MRO Office**	-	-	-	-	-	-	-
38	MEDCHAL	Malkajgiri	Malkajgiri	23.70	25.29	25.24	23.73	1.51	1.56	-0.03
39	MEDCHAL	Medchal	Dabilpur park in GP Layout**	8.21	9.69	9.86	9.75	0.11	-0.06	-1.54
40	MEDCHAL	Medchal	Gundla pochampally	16.78	18.39	17.65	16.39	1.26	2.00	0.39
41	MEDCHAL	Medipally	Medipally	12.36	16.87	15.65	15.24	0.41	1.63	-2.88
42	MEDCHAL	Medipally	Chengicharla Sub Station**	19.89	23.03	24.00	22.51	1.49	0.52	-2.62
43	MEDCHAL	Medipally	Medipally ZPHS**	13.36	15.48	14.87	13.26	1.61	2.22	0.10
44	MEDCHAL	Qutubullapur	Gajularamaram 1	3.81	5.44	4.60	2.07	2.53	3.37	1.74
45	MEDCHAL	Qutubullapur	Gajularamaram 2	3.98	5.47	4.89	2.13	2.76	3.34	1.85
46	MEDCHAL	Qutubullapur	Jeedimetla	20.13	21.58	23.55	21.09	2.46	0.49	-0.96
47	MEDCHAL	Qutubullapur	Qutubullapur 2	17.11	20.07	--	16.59	--	--	--
48	MEDCHAL	Shahmirpet	Pothaipally	7.41	10.36	11.94	8.03	3.91	2.33	-0.62
49	MEDCHAL	Shahmirpet	Devara Yamjal Near Mission Bhagirath Compound**	8.81	5.69	4.97	4.89	0.08	0.80	3.92
50	MEDCHAL	Uppal	Uppal	14.00	15.83	15.32	13.66	1.66	2.17	0.34
51	RANGAREDDY	Abdullapurmet	Kuntloor	17.64	13.70	15.92	16.31	-0.39	-2.61	1.33
52	RANGAREDDY	Balapur	Balapur (Leninnagar)	9.46	9.21	9.03	7.53	1.50	1.68	1.93
53	RANGAREDDY	Balapur	Nadhargull	7.08	8.03	7.96	6.89	1.07	1.14	0.19
54	RANGAREDDY	Rajender Nagar	Rajender Nagar	12.54	12.57	11.63	10.27	1.36	2.30	2.27
55	SANGAREDDY	Ameenpur	Kistareddypet	0.73	-	-	-	-	-	-
56	SANGAREDDY	Patancheru	Patancheruvu	18.36	18.30	17.90	17.51	0.39	0.79	0.85
57	SANGAREDDY	R.C.Puram	R.C.Puram	16.77	17.17	4.84	4.12	0.72	13.05	12.65
GHMC upto ORR AVERAGE				10.11	12.33	11.84	10.42	1.42	1.91	-0.31

Newly drilled piezometers under NHP

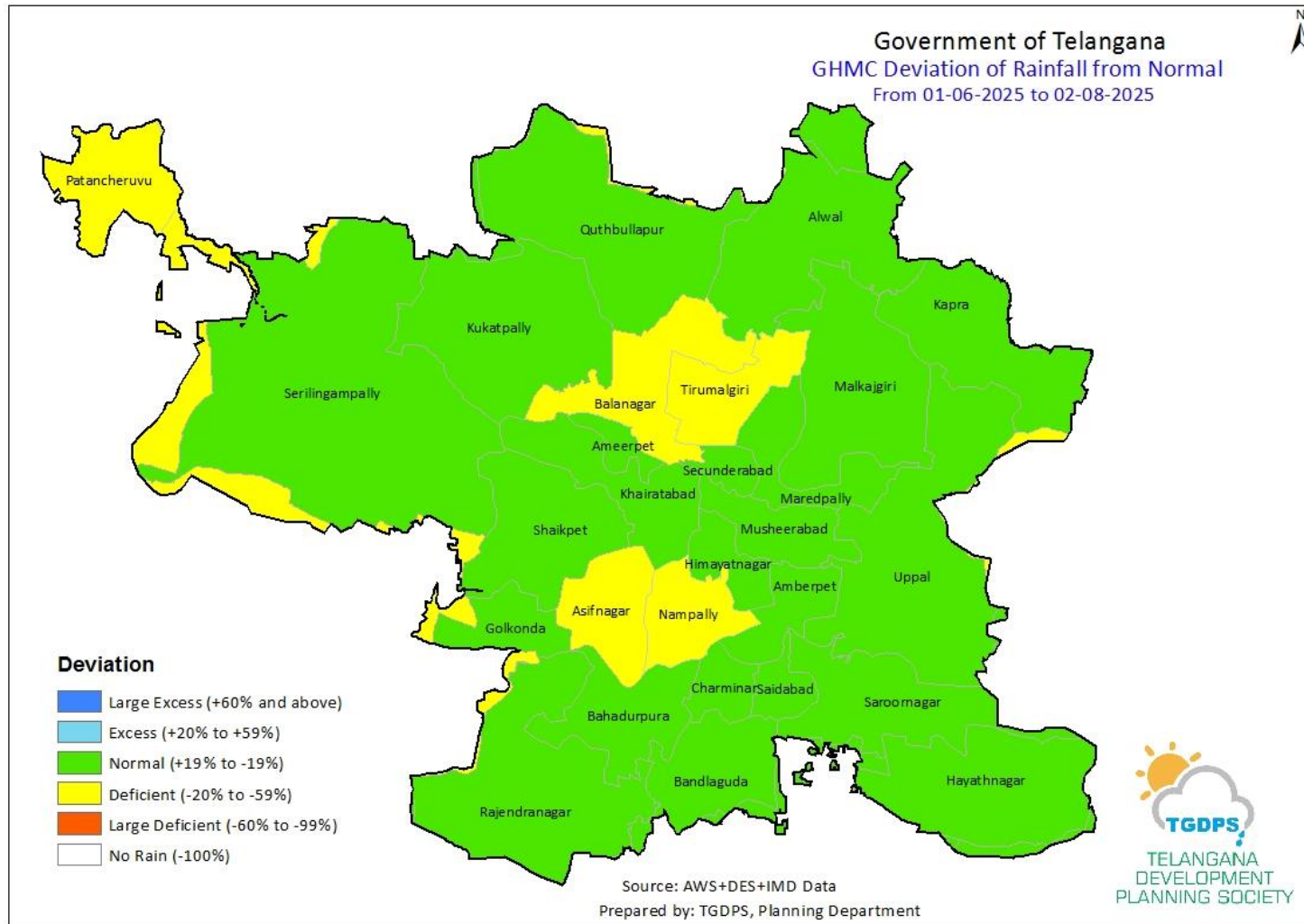


Fig.1: Mandal wise rainfall deviation for water year 2025-26 (up to 2nd August, 2025), GHMC, Hyderabad.

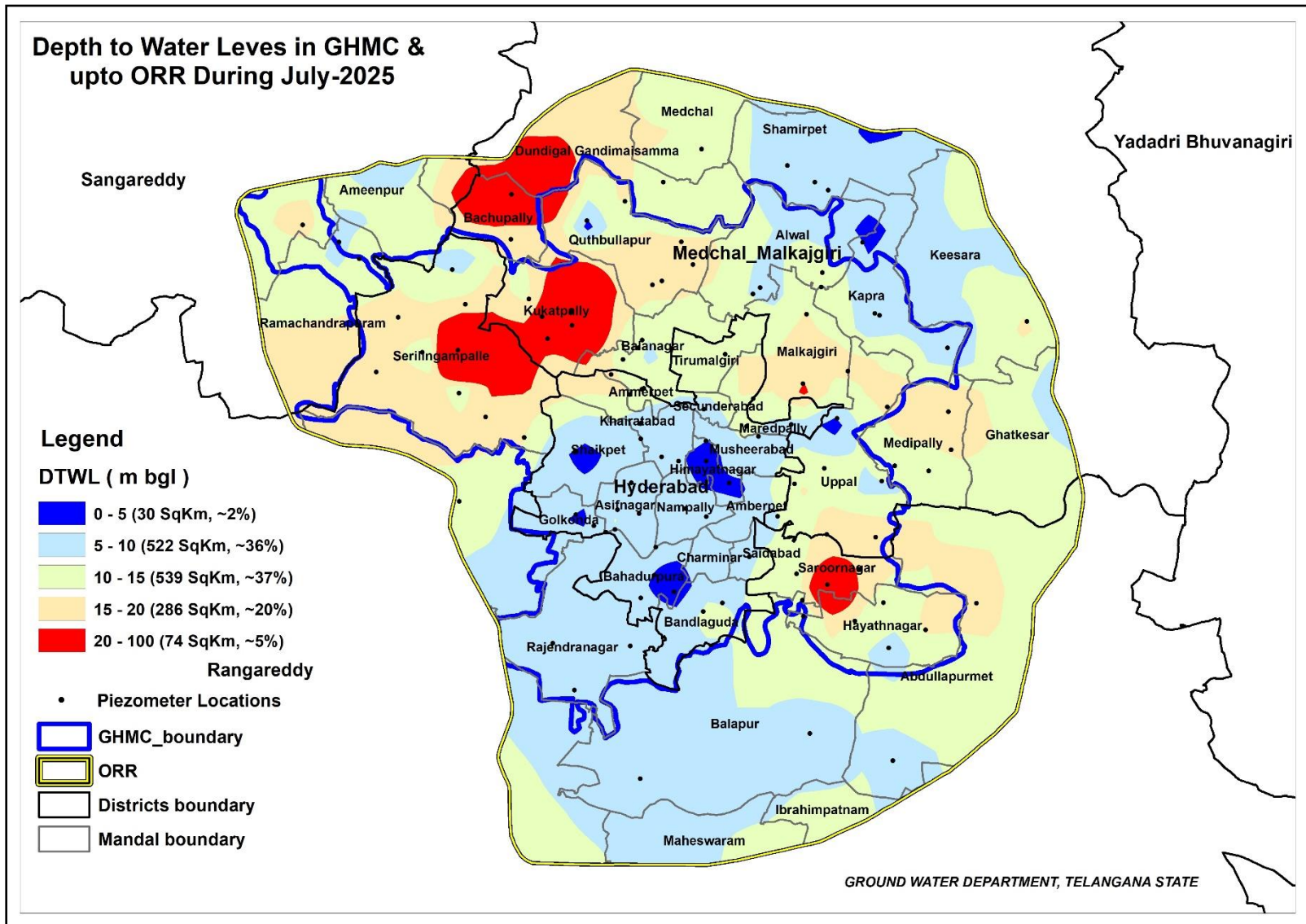


Fig.2: Depth to water levels during July-2025, GHMC area up to ORR, Hyderabad.