

ATAL BHUJAL YOJANA (AtalJal)

State : HARYANA

**Department : IRRIGATION & WATER
RESOURCE DEPARTMENT**

BLOCK : Kanina

DISTRICT : Mahendragarh

YEAR : 2024-2025

*Towards partial fulfilment of requirements for Disbursement of
Incentive under DLI -1*

HYDROGEOLOGICAL REPORT

(YEAR: 2024-25)

STATE	:	Haryana
DISTRICT	:	Mahendragarh
BLOCK	:	Kanina
BLOCK HQ	:	Kanina

A GENERAL INFORMATION					
1.	Geographical Area (Ha)	:	32900		
2.	No. of Gram Panchayat	:	52		
3.	No. of Towns	:	1		
4.	No. of Villages	:	53		
5.	Population (Census 2011)	:	Male	Female	Total
		:	76062	66140	142202
6.	Rainfall (mm) (2023)	:	Monsoon	Non-Monsoon	Annual
		:	326	324	649
7.	River Basin	:	Yamuna river basin		
8.	Major Soil Type	:	Sandy Soil		

B LAND USE (2023-24)			
1.	Forest Area (Ha)	:	22
2.	Cultivable Area (Ha)	:	28179
3.	Net sown Area (Ha)	:	27094
4.	Gross Cropping Area (Ha)	:	53711

C CROPPING PATTERN (As in 2023-24)						
1.	Major Crops grown		Kharif	Rabi	Summer	Perennial
			Bajra	Wheat	Pulses	NA
			Gawar	Mustard	Tomato	
			Cotton	Oilseeds	Vegetable	

D IRRIGATION FACILITIES (As in 2023-24)						
1	Net Irrigation Area (Ha)		26664			
2	Gross Irrigated Area (Ha)		34164			
3	Area under irrigation (Ha) source wise	DW	BW/TW	Tanks/Ponds	Canals	Others
		0	24899	0	1600	0

E GEOLOGY & HYDROGEOLOGY			
1	Predominant Rock type	:	Both hard & soft rocks
2	Major Geological Formation	:	Aravali formation.
3	Important water bearing formation	:	Coarse grain sand
4	Status of coverage under NAQUIM	:	Covered

F GROUND WATER CONDITIONS											
1	No. of wells used for Water Level (WL) monitoring.	:	Open wells				BW/TW/ PZ				
			CGWB	SGWB	Atal Jal	Total	CGWB	SGWB	Atal Jal	Total	
			0	4	2	6	2	9	64	75	
2	Monitoring mechanism (Nos.)	:	Manual			DWLR			Telemetry		
			CGWB	SGWB	Atal Jal	CGWB	SGWB	Atal Jal	CGWB	SGWB	Atal Jal
			2	13	27	0	0	39	0	0	39
3	Monitoring frequency	:	Agency	No. of times monitored/year							
			CGWB	2 times/year Pre and Post Monsoon							
			SGWB	2 times/year Pre and Post Monsoon							
			Atal Jal	2 times/year Pre and Post Monsoon							
4	Period of water level data availability.	:	Agency	Period of WL data availability (From - To)							
				From (year)			To (year)				
			CGWB	2015			2024				
			SGWB	2015			2024				
			Atal Jal	2023			2024				
5	Water level range (m.bgl)	:	Minimum/Village				Maximum/Village				
	Pre-monsoon (May – June 2024)		8.1/Syana_31558				114.97/Mori_31543				
	Post-monsoon (Oct/Nov 2024)		7.05/Syana_31558				111.82/Mori_31543				
6	Seasonal WL fluctuation range (m)	:	Minimum/ Village				Maximum/ Village				
			-2.18/Jhagroli_31527				7.61/Sigra_31553				

G GROUND WATER QUALITY											
1	No. of wells used for Water Quality (WQ) monitoring.	:	Open Wells				BW/TW/ PZ				
			CGWB	SGWB	Atal Jal	Total	CGWB	SGWB	Atal Jal	Total	
			0	4	0	4	2	8	51	61	
2	Monitoring frequency	:	Agency	No. of times monitored/year							
			CGWB	1 time/year							
			SGWB	1 time/year							
			Atal Jal	1 time/year							
3	Period of water quality data availability	:	Agency	Period of WQ data availability (Years)							
			CGWB	2015 to 2024							
			SGWB	2020 to 2024							
			Atal Jal	2023 to 2024							
4	Parameters analysed	:	Agency	Parameters Analysed							
			CGWB	pH,EC,TH,Ca,Mg,Na,K,CO ₃ ,HCO ₃ ,SO ₄ ,Cl,F,NO ₃							
			SGWB	EC							
			Atal Jal	pH,EC,TDS,TH,Ca,Mg,Na,K,CO ₃ ,HCO ₃ ,SO ₄ ,Cl,F,NO ₃							
5	Known ground water quality issues, if any	:	No Such Issue								

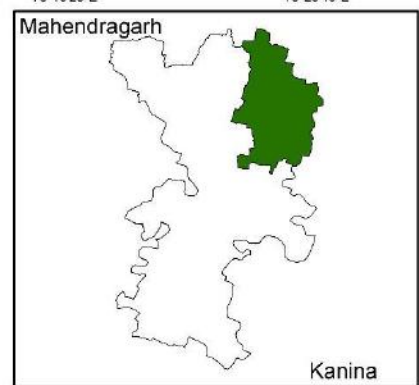
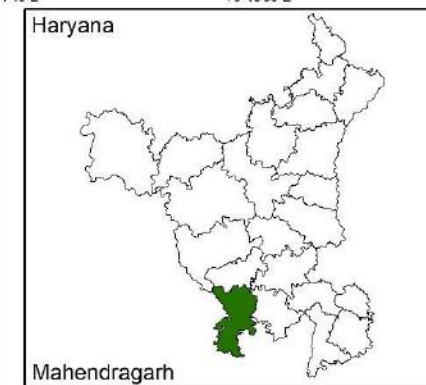
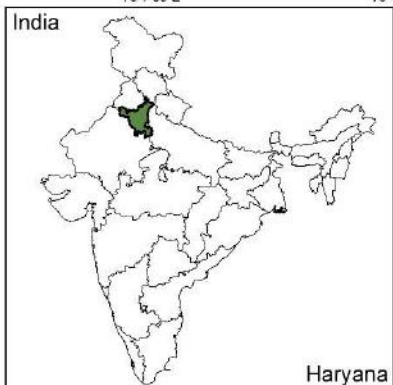
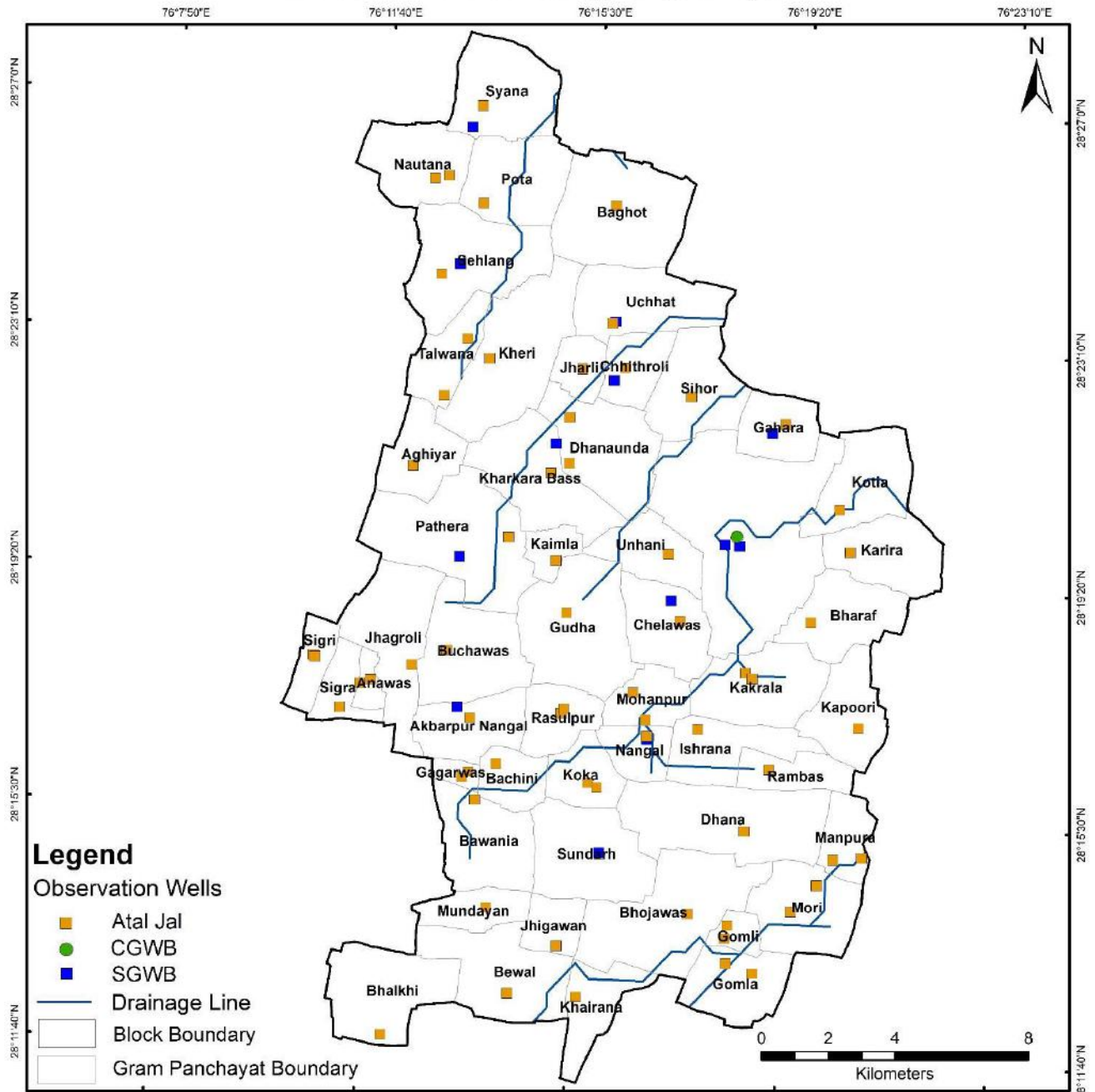
H. GROUND WATER RESOURCES									
1.	Latest assessment year	:	2023						
2.	Assessment Unit	:	Block						
3.	Annual extractable GW resource (ha.m)	:	5872.6						
4.	Current annual GW extraction (ha.m)	:	11342.9						
5.	Net GW availability for future use (ha.m)	:	0.0						
6.	Stage of GW extraction (%)	:	196.56 %						
7.	Category of block/taluk/(2023)	:	Over Exploited						
8.	Category of block/taluk/ in previous assessments		2023	2020	2017	2013	2011	2009	2004
			Over Exploited	Over Exploited	Over Exploited	Over Exploited	Over Exploited	Over Exploited	Over Exploited

I WATER-RELATED SCHEMES			
1.	Schemes with a bearing on ground water, bearing implemented in the block/taluk		
	Centrally Sponsored/Central Sector Scheme	i)	PMKSY
		ii)	MGNREGA
		iii)	RKVY
		iv)	NAQUIM
		v)	JJM
		vi)	NHP
	State Scheme	i)	State Plan Scheme for providing assistance on adopting water saving technologies (2402)
		ii)	MPMV

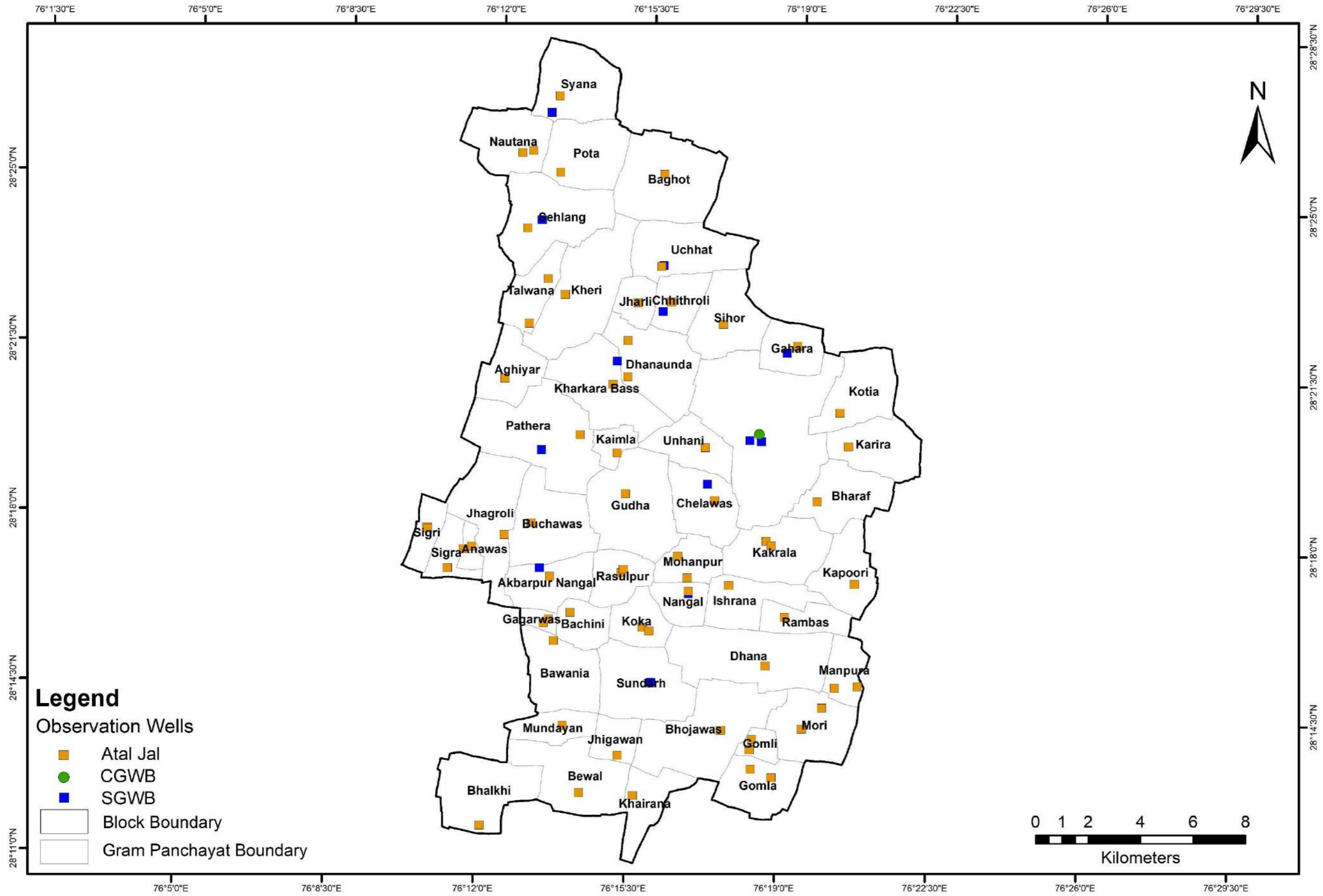
J GROUND WATER RELATED ISSUES			
1.	GROUND WATER RELATED ISSUES OF THE BLOCK		
	i) Issues related to GW Availability		Ground water depletion issues due to over extraction of groundwater for agriculture and other uses
	ii) Issues related to GW quality		Groundwater contamination issues in the vicinity of Siyana village
	iii) Other issues if any		-

K ANNEXURES	
I	Basic data of observation wells – Attached
II.	Historical water level data – Attached
III.	Historical water quality data – Attached

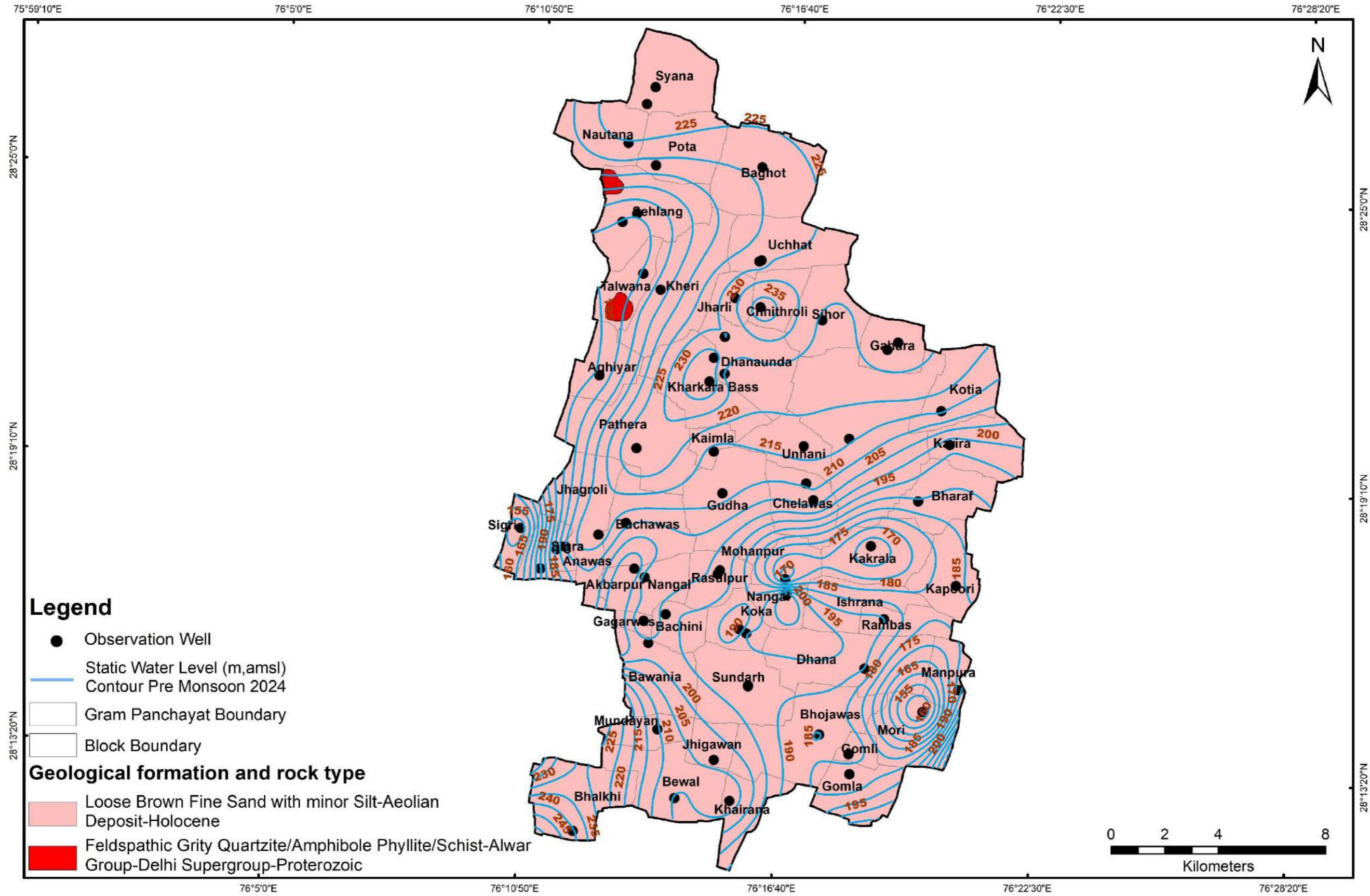
Location Map of Block- Kanina, District- Mahendragarh, Haryana



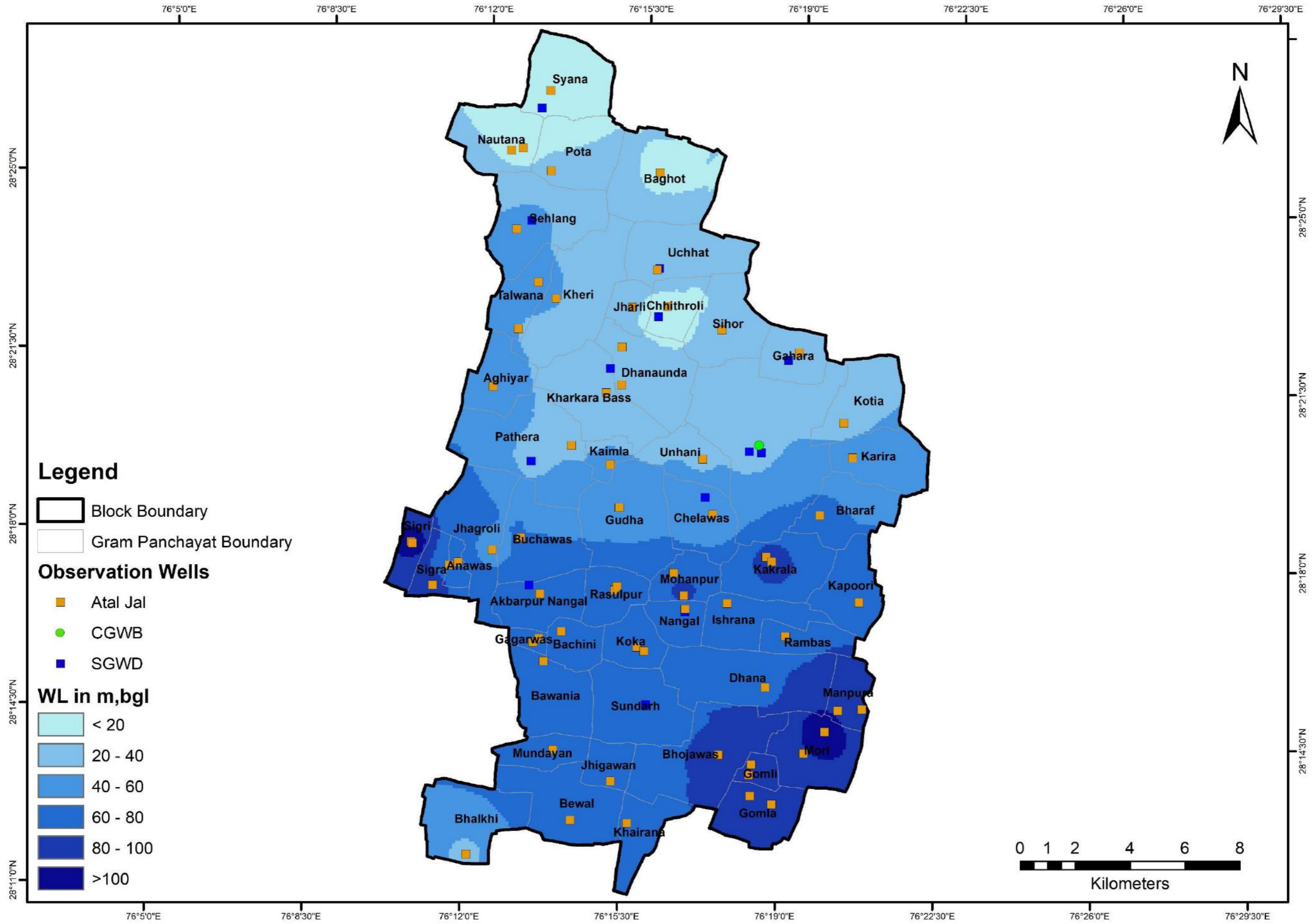
Location of Observation Wells for Monitoring Water Levels and Water Quality, Block-Kanina, District- Mahendragarh, Haryana



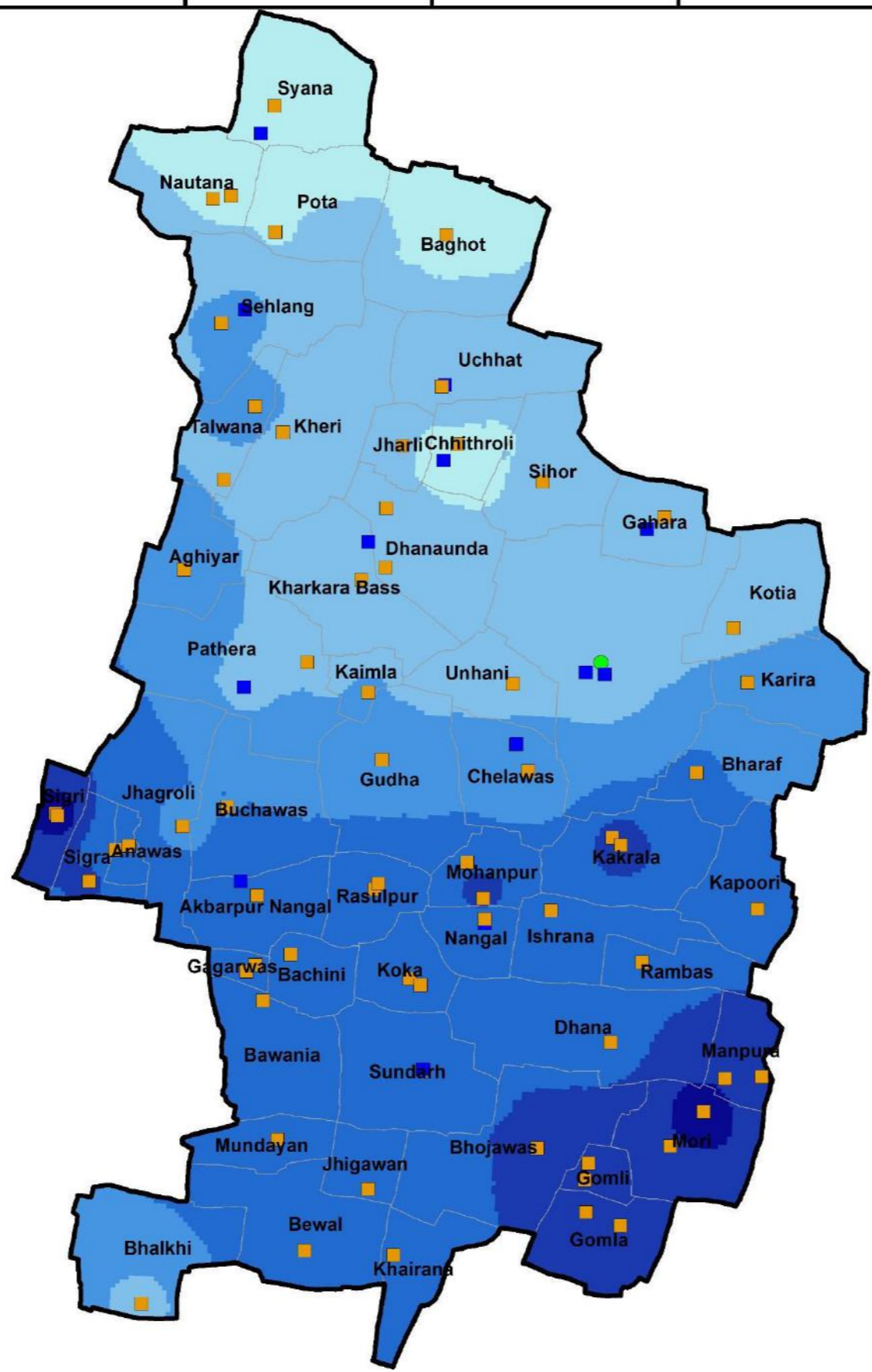
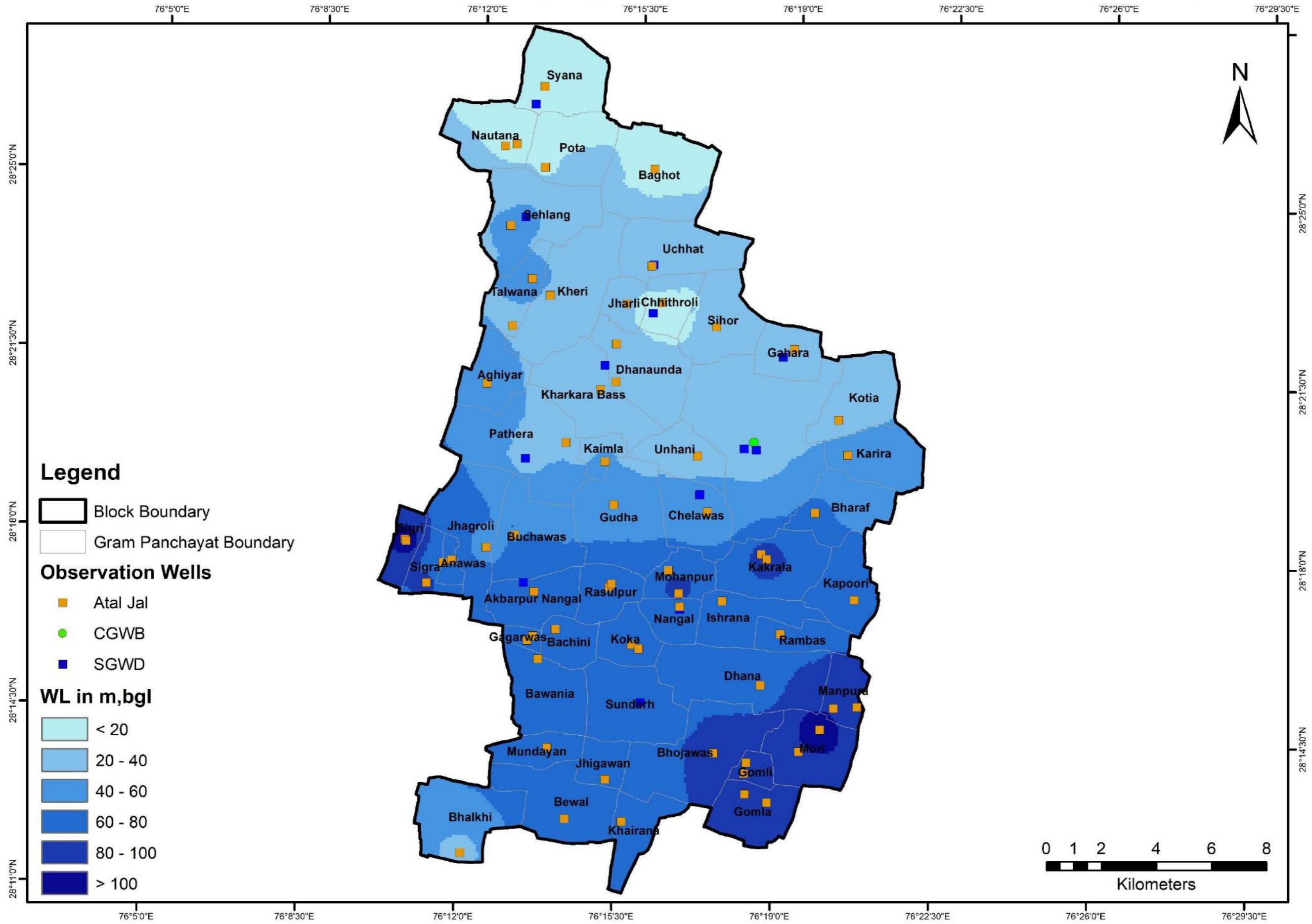
Hydrogeological Map, Block- Kanina, District- Mahendragarh, Haryana



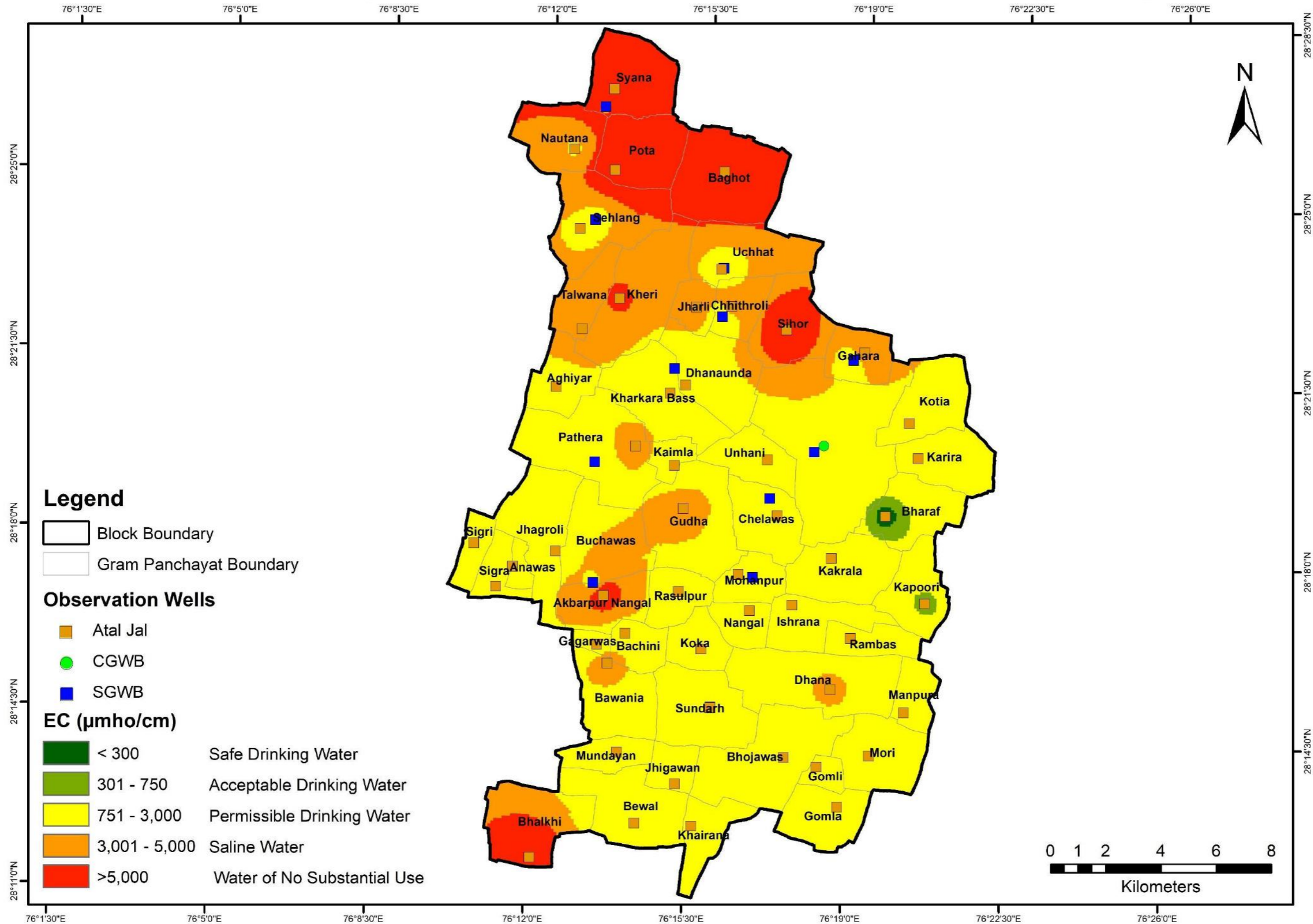
Pre Monsoon 2024 Depth to Water Level (m,bgl) Map, Block- Kanina, District - Mahendragarh, Haryana



Post Monsoon 2024 Depth to Water Level (m,bgl) Map, Block - Kanina, District - Mahendragarh, Haryana



Electrical Conductivity of Groundwater-2024, Block - Kanina, District - Mahendragarh, Haryana



**ANNEXURE: I
BASIC DATA OF MONITORING WELLS**

State		Haryana					District	Mahendergarh					Block	Kanina	
S.No	Well ID	Gram Panchayat	Name of the village	Site Name	Latitude	Longitude	Type of Well	Reduced Level	Aquifer Type/Lithology	Height of Measuring (m, agl)	Depth (m,bgl)	Diameter (m)	Purpose of Monitoring (WL/WQ)	Monitoring Mechanism	Agency
1.	HR_GW_593	Aghiyar_31508	Aghiyar	Govt. Senior Seacondary School Aghiyar	28.3513	76.2051	Piezometer	255	Semi-Confined To Confined	0.50	131	0.10	Both	Telemetric	Atal Jal
2.	HR_GW_611	Akbarpur Nangal_31509	Akbarpur Nangal	Govt. Middle School Akbarpur Nangal	28.2839	76.2254	Piezometer	268	Unconfined To Semi-Confined	0.50	98	0.10	Both	Telemetric	Atal Jal
3.	HR_GW_569	Anawas_31510	Anawas	Govt. Primary School Anawas	28.2922	76.1915	Piezometer	267	Semi Confined to Confined	0.50	120	0.10	Both	Telemetric	Atal Jal
4.	GWL-06-069-00523-00031510-001	Anawas_31510	Anawas	Relwe Line Rod Anawas	28.2931	76.1947	Bore Well	267	Semi Confined to Confined	0.50	120	0.20	WL	Manual	Atal Jal-Private
5.	HR_GW_594	Bachini_31511	Bachini	Panchayat Land Near Temple Bachini	28.2718	76.2339	Piezometer	264	Unconfined To Semi-Confined	0.50	122	0.10	Both	Telemetric	Atal Jal
6.	HR_GW_595	Baghot_31512	Baghot	Govt. Girls Primary School Baghot	28.4233	76.2640	Piezometer	240	Unconfined To Semi-Confined	0.50	118	0.10	Both	Telemetric	Atal Jal
7.	HR_GW_612	Bawania_31513	Bawania	Govt. Senior Seacondary School Bawaniya	28.2619	76.2278	Piezometer	265	Unconfined To Semi-Confined	0.50	108	0.10	Both	Telemetric	Atal Jal
8.	HR_GW_613	Bewal_31514	Bewal	Govt. Senior Seacondary School Bewal	28.2101	76.2399	Piezometer	276	Unconfined To Semi-Confined	0.50	108	0.10	Both	Telemetric	Atal Jal
9.	HR_GW_596	Bhalkhi_31515	Bhalkhi	Govt. Primary School Bhalkhi	28.1977	76.2019	Piezometer	278	Semi-Confined	0.50	76	0.10	Both	Telemetric	Atal Jal
10.	HR_GW_597	Bharaf_31516	Bharaf	Govt. Primary School Bharaf	28.3131	76.3280	Piezometer	256	Unconfined To Semi-Confined	0.50	129	0.10	Both	Telemetric	Atal Jal
11.	HR_GW_614	Bhojawas_31517	Bhojawas	Govt. Senior Seacondary School Bhojawas	28.2334	76.2939	Piezometer	269	Semi-Confined	0.50	112	0.10	Both	Telemetric	Atal Jal
12.	GWL-06-069-00523-00031518-001	Buchawas_31518	Buchawas	Ro Centre On Road	28.3020	76.2175	Bore Well	267	Semi Confined to Confined	0.60	125	0.20	WL	Manual	Atal Jal-Private
13.	HR_GW_598	Chelawas_31519	Chelawas	Govt. Primary School Chelawas	28.3120	76.2883	Piezometer	258	Unconfined To Semi-Confined	0.50	103	0.10	Both	Telemetric	Atal Jal
14.	T.W_HRY_M.GARH_KANINA_CHITTROLI_1	Chhithroli_31520	Chhithroli	Near By Stadium	28.3797	76.2686	Tube Well	245	Confined	0.50	238	2.00	WQ	Manual	Atal Jal
15.	HR_GW_615	Dhana_31521	Dhana	Govt. Middle School Dhana	28.2561	76.3102	Piezometer	267	Semi-Confined	0.50	98	0.10	Both	Telemetric	Atal Jal
16.	HR_GW_605	Dhanaunda_31522	Dhanaunda	Govt. Primary School Dhanaunda	28.3534	76.2527	Piezometer	249	Semi Confined to Confined	0.50	100	0.10	Both	Telemetric	Atal Jal
17.	GWL-06-069-00523-00031522-001	Dhanaunda_31522	Dhanaunda	Brahmchari Shri Krishna Aashram Dhananda	28.3658	76.2523	Dug Well	248	Semi Confined to Confined	0.50	35	1.25	WL	Manual	Atal Jal-Private
18.	GWL-06-069-00523-00265059-001	Gagarwas_265059	Gagarwas	Shiv Temple Campus	28.2693	76.2256	Bore Well	267	Semi Confined to Confined	0.60	126	0.20	WL	Manual	Atal Jal-

S.No	Well ID	Gram Panchayat	Name of the village	Site Name	Latitude	Longitude	Type of Well	Reduced Level	Aquifer Type/Lithology	Height of Measuring (m, agl)	Depth (m,bgl)	Diameter (m)	Purpose of Monitoring (WL/WQ)	Monitoring Mechanism	Agency
															Private
19.	T.W_HRY_M.GARH_KANINA_GAGARWAS_1	Gagarwas_265059	Gagarwas	Near Harijan Pani Ki Tanki	28.2679	76.2236	Tube Well	265	Confined	0.55	252	0.20	WQ	Manual	Atal Jal
20.	HR_GW_616	Gahara_31523	Gahara	Govt. Middle School Gahara	28.3662	76.3181	Piezometer	248	Unconfined To Semi-Confined	0.50	55	0.10	Both	Telemetric	Atal Jal
21.	GWL-06-069-00523-00031524-001	Gomla_31524	Gomla	Sc Colony	28.2204	76.3060	Bore Well	268	Semi Confined to Confined	0.20	140	0.15	WL	Manual	Atal Jal-Private
22.	T.W_HRY_M.GARH_KANINA_GOMLA_1	Gomla_31524	Gomla	Farm House Rohtas	28.2179	76.3142	Tube Well	275	Confined	0.20	220	0.15	WQ	Manual	Atal Jal
23.	GWL-06-069-00523-00298016-001	Gomli_298016	Gomli	Panchayat Form	28.2271	76.3054	Bore Well	273	Semi Confined to Confined	0.60	140	0.15	WL	Manual	Atal Jal-Private
24.	T.W_HRY_M.GARH_KANINA_GOMLI_1	Gomli_298016	Gomli	Near By Canal	28.2306	76.3061	Tube Well	271	Confined	0.60	274	0.15	WQ	Manual	Atal Jal
25.	HR_GW_599	Gudha_31525	Gudha	Govt. Senior Seacondary School Gudha	28.3132	76.2536	Piezometer	259	Unconfined To Semi-Confined	0.50	55	0.10	Both	Telemetric	Atal Jal
26.	HR_GW_617	Ishrana_31526	Ishrana	Govt. Primary School Ishrana	28.2831	76.2949	Piezometer	263	Semi-Confined	0.50	70	0.10	Both	Telemetric	Atal Jal
27.	HR_GW_600	Jhagroli_31527	Jhagroli	Govt. Middle School Jhagroli	28.2977	76.2071	Piezometer	264	Semi-Confined	0.50	77	0.10	Both	Telemetric	Atal Jal
28.	HR_GW_618	Jharli_31528	Jharli	Govt. Primary School Jharli	28.3790	76.2556	Piezometer	250	Unconfined To Semi-Confined	0.50	60	0.10	Both	Telemetric	Atal Jal
29.	HR_GW_601	Jhigawan_31529	Jhigawan	Panchayat Land Infront Of Shiv Temple Campus Jhigawan	28.2234	76.2543	Piezometer	273	Unconfined To Semi-Confined	0.50	78	0.10	Both	Telemetric	Atal Jal
30.	HR_GW_619	Kaimla_31533	Kaimla	Govt. Middle School Kaimla	28.3271	76.2497	Piezometer	257	Unconfined To Semi-Confined	0.50	74	0.10	Both	Telemetric	Atal Jal
31.	GWL-06-069-00523-00031530-001	Kakrala_31530	Kakrala	Shaheed Park	28.2973	76.3108	Bore Well	256	Semi Confined to Confined	0.50	240	0.25	WL	Manual	Atal Jal-Private
32.	T.W_HRY_M.GARH_KANINA_KAKRALA_1	Kakrala_31530	Kakrala	Near By Ganesh Pura Road	28.2988	76.3087	Tube Well	257	Confined	0.50	244	0.25	WQ	Manual	Atal Jal
33.	HR_GW_620	Kapoori_31531	Kapoori	Govt.Middle School(Play Groumd) Kappori	28.2851	76.3437	Piezometer	259	Unconfined To Semi-Confined	0.50	88	0.10	Both	Telemetric	Atal Jal
34.	HR_GW_621	Karira_31532	Karira	Govt. Senior Seacondary School Karira	28.3323	76.3393	Piezometer	246	Unconfined To Semi-Confined	0.50	58	0.10	Both	Telemetric	Atal Jal
35.	HR_GW_622	Khairana_31534	Khairana	Govt. Middle School Khairana	28.2099	76.2609	Piezometer	278	Semi-Confined	0.50	76	0.10	Both	Telemetric	Atal Jal
36.	HR_GW_602	Kharkara Bass_31535	Kharkhara Bass	Govt. Middle School Ground Kharkhara Bass	28.3506	76.2471	Piezometer	255	Semi-Confined	0.50	97	0.10	Both	Telemetric	Atal Jal
37.	HR_GW_603	Kheri_31537	Kheri	Govt. Senior Seacondary School Kheri	28.3808	76.2271	Piezometer	248	Semi-Confined To Confined	0.50	90	0.10	Both	Telemetric	Atal Jal

S.No	Well ID	Gram Panchayat	Name of the village	Site Name	Latitude	Longitude	Type of Well	Reduced Level	Aquifer Type/Lithology	Height of Measuring (m, agl)	Depth (m,bgl)	Diameter (m)	Purpose of Monitoring (WL/WQ)	Monitoring Mechanism	Agency
38.	HR_GW_570	Koka_31538	Koka	Govt. Middle School Koka	28.2677	76.2621	Piezometer	264	Semi Confined to Confined	0.50	116	0.10	Both	Telemetric	Atal Jal
39.	GWL-06-069-00523-00031538-001	Koka_31538	Koka	Panchayat Bore Near Purana Kuan	28.2665	76.2648	Bore Well	264	Semi Confined to Confined	0.40	120	0.20	WL	Manual	Atal Jal-Private
40.	HR_GW_604	Kotia_31539	Kotia	Govt. Middle School Kotia	28.3437	76.3355	Piezometer	249	Semi-Confined	0.50	36	0.10	Both	Telemetric	Atal Jal
41.	GWL-06-069-00523-00031540-003	Manpura_31540	Manpura	Chotu Pandit Ka Khet	28.2501	76.3462	Bore Well	264	Semi Confined to Confined	1.00	140	0.25	WL	Manual	Atal Jal-Private
42.	T.W_HRY_M.GARH_KANINA_MANPURA_1	Manpura_31540	Manpura	Near By Canal	28.2494	76.3375	Tube Well	264	Confined	1.00	267	0.25	WQ	Manual	Atal Jal
43.	GWL-06-069-00523-00031542-001	Mohanpur_31542	Mohanpur	Near Rajeev Bhawan	28.2851	76.2788	Bore Well	262	Semi Confined to Confined	0.50	135	0.20	WL	Manual	Atal Jal-Private
44.	T.W_HRY_M.GARH_KANINA_MOHANPUR_1	Mohanpur_31542	Mohanpur	Gav Me Mandir Ke Pass	28.2924	76.2747	Tube Well	262	Confined	0.50	201	0.20	WQ	Manual	Atal Jal
45.	GWL-06-069-00523-00031543-001	Mori_31543	Mori	Holi Ground	28.2423	76.3328	Bore Well	266	Semi Confined to Confined	0.80	140	0.15	WL	Manual	Atal Jal-Private
46.	T.W_HRY_M.GARH_KANINA_MORI_1	Mori_31543	Mori	Gav Ke Bus Stand Per	28.2349	76.3252	Tube Well	269	Confined	0.80	274	0.15	WQ	Manual	Atal Jal
47.	HR_GW_624	Mundayan_31544	Mundayan	Govt. Primary School Mundayan	28.2330	76.2325	Piezometer	284	Unconfined To Semi-Confined	0.50	88	0.10	Both	Telemetric	Atal Jal
48.	HR_GW_606	Nangal_31545	Nangal	Govt. Senior Seacondary School Nangal	28.2807	76.2794	Piezometer	262	Semi-Confined	0.50	110	0.10	Both	Telemetric	Atal Jal
49.	GWL-06-069-00523-00031546-001	Nautana_31546	Nautana	G.S.S.S	28.4297	76.2127	Dug Well	240	Semi Confined to Confined	0.50	32	1.25	WL	Manual	Atal Jal-Private
50.	T.W_HRY_M.GARH_KANINA_NAUTANA_1	Nautana_31546	Nautana	Near By On Road	28.4289	76.2085	Tube Well	237	Semi Confined	0.50	274	1.25	WQ	Manual	Atal Jal
51.	T.W_HRY_M.GARH_KANINA_PATHERA_1	Pathera_31548	Pathera	Neer By Bala Ji Ro Plant	28.3329	76.2350	Tube Well	254	Confined	0.50	232	0.20	WQ	Manual	Atal Jal
52.	HR_GW_626	Pota_31549	Pota	Govt. Senior Seacondary School Pota	28.4226	76.2235	Piezometer	239	Semi-Confined To Confined	0.50	100	0.10	Both	Telemetric	Atal Jal
53.	HR_GW_607	Rambas_31550	Rambas	Govt. Girls Primary School Rambass	28.2730	76.3169	Piezometer	264	Semi-Confined	0.50	94	0.10	Both	Telemetric	Atal Jal
54.	HR_GW_571	Rasulpur_31551	Rasulpur	Govt. High School Rasulpur	28.2860	76.2531	Piezometer	265	Semi Confined to Confined	0.50	120	0.10	Both	Telemetric	Atal Jal
55.	GWL-06-069-00523-00031551-002	Rasulpur_31551	Rasulpur	Temple Campus	28.2873	76.2539	Bore Well	266	Semi Confined to Confined	0.50	120	0.20	WL	Manual	Atal Jal-Private
56.	HR_GW_608	Sehlang_31552	Sehlang	Govt. Senior Seacondary School Sehlang	28.4031	76.2116	Piezometer	245	Unconfined To Semi-Confined	0.50	81	0.10	Both	Telemetric	Atal Jal
57.	HR_GW_627	Sigra_31553	Sigra	Govt. Middle School Sigra	28.2855	76.1856	Piezometer	271	Semi-Confined	0.50	111	0.10	Both	Telemetric	Atal Jal

S.No	Well ID	Gram Panchayat	Name of the village	Site Name	Latitude	Longitude	Type of Well	Reduced Level	Aquifer Type/Lithology	Height of Measuring (m, agl)	Depth (m,bgl)	Diameter (m)	Purpose of Monitoring (WL/WQ)	Monitoring Mechanism	Agency
58.	GWL-06-069-00523-00031554-001	Sigri_31554	Sigri	Jal Ghar Sigri	28.2988	76.1775	Bore Well	265	Semi Confined to Confined	0.50	281	0.20	WL	Manual	Atal Jal-Private
59.	T.W_HRY_M.GARH_KANINA_SIGRI_1	Sigri_31554	Sigri	Neer By Johad	28.2993	76.1770	Tube Well	265	Confined	0.50	216	0.20	WQ	Manual	Atal Jal
60.	HR_GW_609	Sihor_31555	Sihor	Govt. Senior Seacondary School Sihor	28.3726	76.2890	Piezometer	245	Unconfined To Semi-Confined	0.50	81	0.10	Both	Telemetric	Atal Jal
61.	HR_GW_628	Sundarh_31556	Sundereh	Govt. Senior Seacondary School Sundereh	28.2487	76.2662	Piezometer	272	Semi-Confined	0.50	108	0.10	Both	Telemetric	Atal Jal
62.	HR_GW_610	Syana_31558	Syana	Govt. Senior Seacondary School Syana	28.4488	76.2222	Piezometer	237	Unconfined To Semi-Confined	0.50	60	0.10	Both	Telemetric	Atal Jal
63.	GWL-06-069-00523-00031559-001	Talwana_31559	Talwana	G.M.S	28.3860	76.2203	Bore Well	249	Semi Confined to Confined	0.20	100	0.20	WL	Manual	Atal Jal-Private
64.	T.W_HRY_M.GARH_KANINA_TALWANA_1	Talwana_31559	Talwana	Out Side Farm	28.3704	76.2137	Tube Well	251	Semi Confined	0.20	210	0.20	WQ	Manual	Atal Jal
65.	HR_GW_629	Uchhat_31560	Uchhat	Govt. Primary School Uchhat	28.3916	76.2642	Piezometer	245	Unconfined To Semi-Confined	0.50	60	0.10	Both	Telemetric	Atal Jal
66.	HR_GW_630	Unhani_31561	Unhani	Govt. High School Unhani	28.3301	76.2839	Piezometer	254	Unconfined To Semi-Confined	0.50	53	0.10	Both	Telemetric	Atal Jal
67.	W281037076170601	Ratakalan_31498	Rattakalan	Rattakalan	28.1894	76.2867	Hand Pump	277	Alluvium	0.51	121	0.17	WQ	Manual	CGWB
68.	W282015076183002	Kanina khas	Kanina khas	Kanina Khas	28.3353	76.3044	Tube Well	252	Alluvium	0.90	NA	0.15	WQ	Manual	CGWB
69.	Na_28_288_76.221	Akbarpur Nangal_31509	Nangal Harnath	Near Shyam Ji Mandir- Gb	28.2867	76.2214	Tube Well	262.23	Aeolian Alluvium (Silt/Sand) & Hard Formation	0.70	100	0.25	WL	Manual	SGWD
70.	Ch_28.318_76.285	Chelawas_31519	Chelawas	Ne Of Village And Rhs Of Ap Road To Village -Dw	28.3175	76.2853	Tube Well	256	Aeolian Alluvium (Silt/Sand) & Hard Formation	0.70	150	0.25	WL	Manual	SGWD
71.	Ch_28.3_76_76.265	Chhithroli_31520	Chhitroli	Near Middle School -Dw	28.3762	76.2653	Dug Well	250	Aeolian Alluvium (Silt/Sand) & Hard Formation	0.50	22	2.00	WL	Manual	SGWD
72.	Ga_28.364_76.314	Gahara_31523	Gahara	On Lhs Of Kanina-Garha Road Harizan Basti Dw	28.3636	76.3141	Tube Well	248.74	Aeolian Alluvium (Silt/Sand) & Hard Formation	0.70	25	0.25	WL	Manual	SGWD
73.	Kh_28.359_76.248	Kharkara Bass_31535	Kharkara	Opposite Mankhtool House -Dw	28.3586	76.2484	Dug Well	247.83	Aeolian Alluvium (Silt/Sand) & Hard Formation	1.25	50	2.00	WL	Manual	SGWD
74.	Na_28_28_76_279	Nangal_31545	Nangal	Left Hand Side Of Kanina To Nnl Road (Chote Lal House -Gb	28.2798	76.2794	Tube Well	262.27	Aeolian Alluvium (Silt/Sand) & Hard Formation	0.70	120	0.25	WL	Manual	SGWD
75.	Pa_28.3_27_76.22	Pathera_31548	Pathera	Left Hand Side Of Kanina To Nnl Road (Chote Lal House -Gb	28.3272	76.2203	Tube Well	257.27	Aeolian Alluvium (Silt/Sand) & Hard Formation	0.70	100	0.25	WL	Manual	SGWD

S.No	Well ID	Gram Panchayat	Name of the village	Site Name	Latitude	Longitude	Type of Well	Reduced Level	Aquifer Type/Lithology	Height of Measuring (m, agl)	Depth (m,bgl)	Diameter (m)	Purpose of Monitoring (WL/WQ)	Monitoring Mechanism	Agency
76.	Sh_28.406_76.217	Sehlang_31552	Shelang	East Of Village - Dcb	28.4061	76.2171	Tube Well	242.69	Aeolian Alluvium (Silt/Sand) & Hard Formation	0.70	100	0.25	WL	Manual	SGWD
77.	Su_28.249_76.266	Sundarh_31556	Sundrah	Opposite School Sundrah -Gb	28.2489	76.2662	Tube Well	239.2	Aeolian Alluvium (Silt/Sand) & Hard Formation	0.70	150	0.25	WL	Manual	SGWD
78.	Si_28.443_76.219	Syana_31558	Siyana	Opposite House Of Chajju Ram Ahir -Dw	28.4430	76.2192	Dug Well	271.5	Aeolian Alluvium (Silt/Sand) & Hard Formation	1.25	20	2.00	WL	Manual	SGWD
79.	Uc_28.392_76.265	Uchhat_31560	Uchat	Behind Primary School Campus - Dw	28.3920	76.2651	Dug Well	231.9	Aeolian Alluvium (Silt/Sand) & Hard Formation	1.25	30	2.00	WL	Manual	SGWD
80.	Ka_28.333_76.301	Kanina	Kanina	Near Nabardaar Bisan Singh House -Dw	28.3331	76.3010	Tube Well	248	Aeolian Alluvium (Silt/Sand) & Hard Formation	0.66	50	0.15	WL	Manual	SGWD
81.	Ka_28.333_76.305	Kanina P.T	Kanina P.T	Bdpo Block - Pt	28.3329	76.3055	Piezometer	249	Aeolian Alluvium (Silt/Sand) & Hard Formation	0.50	50	0.10	WL	Manual	SGWD

ANNEXURE: 2
WATER LEVEL (WL) DATA OF MONITORING WELLS

State	Haryana	District	Mahendragarh	Block	Kanina
Month of Pre-monsoon Water Level Measurement					May/June
Month of Post-monsoon water Level measurement					October/November

S.No.	Observation Point	Source	Well Types	Co-ordinate		Water Level (m)																			
				Latitude	Longitude	2015		2016		2017		2018		2019		2020		2021		2022		2023		2024	
						Pre	Post	Pre	Post	Pre	Post	Pre	Post	Pre	Post	Pre	Post	Pre	Post	Pre	Post	Pre	Post	Pre	Post
1	Aghiyar_31508	Atal Jal	Piezometer	28.3513	76.2051	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	57.8	57.6	58.7	56.8
2	Akbarpur Nangal_31509	Atal Jal	Piezometer	28.2839	76.2254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	63	62.8	64.6	63.5
3	Bachini_31511	Atal Jal	Piezometer	28.2718	76.2339	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	63.8	62.8	66.9	64.2
4	Baghot_31512	Atal Jal	Piezometer	28.4233	76.2640	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	17.9	18.5	18.9	16.6
5	Bawania_31513	Atal Jal	Piezometer	28.2619	76.2278	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	61.9	63.6	65.7	61.8
6	Bewal_31514	Atal Jal	Piezometer	28.2101	76.2399	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	67.3	65.5	71.2	71.7
7	Bhalkhi_31515	Atal Jal	Piezometer	28.1977	76.2019	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.8	35.9	37.4	36.3
8	Bharaf_31516	Atal Jal	Piezometer	28.3131	76.3280	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	62.6	63	66.3	63.5
9	Bhojawas_31517	Atal Jal	Piezometer	28.2334	76.2939	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	85.5	84.2	84.1	82.5
10	Chelawas_31519	Atal Jal	Piezometer	28.3120	76.2883	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	50.1	49.4	50.1	49.2
11	Dhana_31521	Atal Jal	Piezometer	28.2561	76.3102	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	75.8	75.2	77.4	74.3
12	Gahara_31523	Atal Jal	Piezometer	28.3662	76.3181	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	23.3	23.9	20.9	20.9
13	Gudha_31525	Atal Jal	Piezometer	28.3132	76.2536	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	46.3	46.9	47.2	44.3
14	Ishrana_31526	Atal Jal	Piezometer	28.2831	76.2949	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	65.3	68.5	Dry	Dry
15	Jhagroli_31527	Atal Jal	Piezometer	28.2977	76.2071	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	47.6	49.7	50.1	52.3
16	Jharli_31528	Atal Jal	Piezometer	28.3790	76.2556	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	20.4	19.4	21.1	20.4
17	Jhigawan_31529	Atal Jal	Piezometer	28.2234	76.2543	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	63.4	67.3	69.2	69
18	Kaimla_31533	Atal Jal	Piezometer	28.3271	76.2497	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	42	41.3	43.2	41
19	Kapoori_31531	Atal Jal	Piezometer	28.2851	76.3437	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	73	73.2	75.1	74.6
20	Karira_31532	Atal Jal	Piezometer	28.3323	76.3393	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	47.6	46.8	48.7	47.7
21	Khairana_31534	Atal Jal	Piezometer	28.2099	76.2609	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	70.6	67.5	70.1	70
22	Kharkara Bass_31535	Atal Jal	Piezometer	28.3506	76.2471	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	23.1	21.3	21.9	21.1
23	Kheri_31537	Atal Jal	Piezometer	28.3808	76.2271	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40	39.7	40.2	39
24	Kotia_31539	Atal Jal	Piezometer	28.3437	76.3355	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.9	32.9	33.4	33.4
25	Mundayan_31544	Atal Jal	Piezometer	28.2330	76.2325	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	70.4	70.2	73	70.4
26	Nangal_31545	Atal Jal	Piezometer	28.2807	76.2794	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	69.5	67.5	70.9	68.7
27	Pota_31549	Atal Jal	Piezometer	28.4226	76.2235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	19.5	19.5	20.9	18.8
28	Rambas_31550	Atal Jal	Piezometer	28.2730	76.3169	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	72.5	71.2	74.1	72.1
29	Sehlang_31552	Atal Jal	Piezometer	28.4031	76.2116	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	44.7	44.5	45.3	43
30	Sigra_31553	Atal Jal	Piezometer	28.2855	76.1856	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	89.8	89.7	91	83.4
31	Sihor_31555	Atal Jal	Piezometer	28.3726	76.2890	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	20.9	20.3	20.7	20.4
32	Sundarh_31556	Atal Jal	Piezometer	28.2487	76.2662	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	72.9	74.6	79.1	79.5
33	Syana_31558	Atal Jal	Piezometer	28.4488	76.2222	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.25	7.16	8.14	7.05
34	Uchhat_31560	Atal Jal	Piezometer	28.3916	76.2642	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	21.4	21.8	22	21.8
35	Unhani_31561	Atal Jal	Piezometer	28.3301	76.2839	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.2	34.3	36.7	21.8
36	Anawas_31510	Atal Jal	Piezometer	28.2922	76.1915	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	70.1	68.2
37	Anawas_31510	Atal Jal	Bore Well	28.2931	76.1947	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	62	62	62	61.2
38	Buchawas_31518	Atal Jal	Bore Well	28.3020	76.2175	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	60.3	60.2	60.2	59.9

S.No.	Observation Point	Source	Well Types	Co-ordinate		Water Level (m)																				
				Latitude	Longitude	2015		2016		2017		2018		2019		2020		2021		2022		2023		2024		
						Pre	Post	Pre	Post	Pre	Post	Pre	Post	Pre	Post	Pre	Post	Pre	Post	Pre	Post	Pre	Post	Pre	Post	Pre
39	Dhanaunda_31522	Atal Jal	Piezometer	28.3534	76.2527	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	24.9	25.3	
40	Dhanaunda_31522	Atal Jal	Dug Well	28.3658	76.2523	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.8	22.5	23	23.4
41	Gagarwas_265059	Atal Jal	Bore Well	28.2693	76.2256	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	62.2	62.4	62.6	63
42	Gomla_31524	Atal Jal	Bore Well	28.2204	76.3060	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	87.1	87	87.1	86.5
43	Gomli_298016	Atal Jal	Bore Well	28.2271	76.3054	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	84	83.5	83.6	82.9
44	Kakrala_31530	Atal Jal	Bore Well	28.2973	76.3108	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	89.2	89	88.8	88.3
45	Koka_31538	Atal Jal	Piezometer	28.2677	76.2621	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	77.4	73.7
46	Koka_31538	Atal Jal	Bore Well	28.2665	76.2648	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	68.7	68.9	69	68
47	Manpura_31540	Atal Jal	Bore Well	28.2501	76.3462	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	81.7	81.6	81.7	81.3
48	Mohanpur_31542	Atal Jal	Bore Well	28.2851	76.2788	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	90.5	90.4	92.8	91.9
49	Mori_31543	Atal Jal	Bore Well	28.2423	76.3328	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	115	115	115	112
50	Nautana_31546	Atal Jal	Dug Well	28.4297	76.2127	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	16.3	15.1	15.2	16.2
51	Rasulpur_31551	Atal Jal	Piezometer	28.2860	76.2531	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	66.7	65.9
52	Rasulpur_31551	Atal Jal	Bore Well	28.2873	76.2539	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	67	67.9	68.3	67.8
53	Sigri_31554	Atal Jal	Bore Well	28.2988	76.1775	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	113	113	113	111
54	Talwana_31559	Atal Jal	Bore Well	28.3860	76.2203	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	48.1	48.7	48.5	45.7
55	Akbarpur Nangal_31509	SGWD	Tube Well	28.2867	76.2214	37.2	38	39	38	38	38	40	39	42	41	42	42	43	43	44	44	44	44	45	77.5	75.6
56	Chelawas_31519	SGWD	Tube Well	28.3175	76.2853	36.4	37	39	37	38	38	39	39	41	40	41	42	42	42.6	43	43	45.3	45.4	49.7	49.4	
57	Chhithroli_31520	SGWD	Dug Well	28.3762	76.2653	7.5	9.8	11	9.3	9.9	9.9	11	11	12	11	12	13	13	13	13	13	12	12.7	13	13.1	14.8
58	Gahara_31523	SGWD	Tube Well	28.3636	76.3141	15	16	16	16	17	17	18	18	19	19	19	9	20	20.2	21	20	22.8	22.9	20.6	20.8	
59	Kharkara Bass_31535	SGWD	Dug Well	28.3586	76.2484	25.8	26	18	16	19	19	18	17	20	20	20	21	21	21.6	22	22	21.9	22.1	20.6	21.1	
60	Nangal_31545	SGWD	Tube Well	28.2798	76.2794	45.6	46	47	46	46	46	49	49	51	51	51	52	52	52.5	53	53	53.5	54.5	55	68.4	
61	Pathera_31548	SGWD	Tube Well	28.3272	76.2203	29.5	32	32	30	30	30	30	29	31	31	31	32	32	32.8	33	33	34.3	34.8	35.8	36.5	
62	Sehlang_31552	SGWD	Tube Well	28.4061	76.2171	32.8	34	35	33	34	34	35	34	37	37	37	38	38	38.5	39	39	40	42	45.3	43.3	
63	Sundarh_31556	SGWD	Tube Well	28.2489	76.2662	57.2	38	59	58	59	59	61	60	62	62	62	63	63	63.5	64	64	64	66.5	79.1	79.4	
64	Syana_31558	SGWD	Dug Well	28.4430	76.2192	10.6	11	10	9.5	11	11	11	9.6	10	9.4	9.7	9	9.3	9.41	9.5	9.1	9.31	9.26	8.1	8	
65	Uchhat_31560	SGWD	Dug Well	28.3920	76.2651	16.1	14	17	16	17	17	17	17	20	20	20	22	22	22.3	22	23	22.7	22.8	21	21.2	
66	Kanina	SGWD	Tube Well	28.3331	76.3010	24.5	27	29	27	27	27	28	27	30	29	30	30	31	30.7	31	31	31.2	31.7	32.2	32.9	
67	Kanina P.T	SGWD	Piezometer	28.3329	76.3055	14.4	16	27	26	28	28	30	29	30	28	28	28	28	28	28	28	29	28.8	NA	Dry	30

ANNEXURE: 3
WATER QUALITY (WQ) DATA OF MONITORING WELLS

State	Haryana				District	Mahendragarh							Block	Kanina					
Month of Collection of sample for WQ monitoring*													May/June						
Gram Panchayat	Source	Type of well	Latitude	Longitude	Year	pH	EC	TDS	TH	Ca	Mg	Na	K	CO ₃	HCO ₃	SO ₄	Cl	F	NO ₃
Aghiyar_31508	Atal Jal	Pizeometer	28.3513	76.2051	2024	8.02	2534	1467	620	168.3	48.49	167	16	5.807	584.2	183.9	307.7	1	74.25
Akbarpur Nangal_31509	Atal Jal	Pizeometer	28.2839	76.2254	2024	7.58	7948	4425	1881	513.4	145.5	505	50	6.361	1774	640.7	933	4.7	208.8
Anawas_31510	Atal Jal	Pizeometer	28.2922	76.1915	2024	8.21	1759	1075	462.4	126.3	35.73	123	12	6.555	423.5	123.4	228.3	0.6	56.75
Bachini_31511	Atal Jal	Piezometer	28.2718	76.2339	2023	8.38	2110	1329	424.3	144	15.75	340.7	37.25	23.0	244.0	107.4	451.3	1.75	55.86
Bachini_31511	Atal Jal	Piezometer	28.2718	76.2339	2024	8.62	2038	1184	504.4	138.9	38.28	135	13	18.8	461.7	139.7	248.2	0.7	61.5
Baghot_31512	Atal Jal	Pizeometer	28.4233	76.264	2024	7.51	15265	9049	3857	1052	298.6	1033	101	11.04	3619	1355	1916	10.4	419
Bawania_31513	Atal Jal	Pizeometer	28.2619	76.2278	2024	7.96	3947	2297	977.3	265.1	76.56	262	26	7.887	912.1	311.8	486.4	2.1	112.3
Bewal_31514	Atal Jal	Piezometer	28.2101	76.2399	2023	8.31	809	533.9	177.6	61.13	6.06	96	32	8.0	107.1	47.98	180.5	0.77	36
Bewal_31514	Atal Jal	Piezometer	28.2101	76.2399	2024	8.63	781	445	189.2	50.5	15.31	51	5	7.2	172.9	25.3	89.33	0	28
Bhalkhi_31515	Atal Jal	Pizeometer	28.1977	76.2019	2024	8.06	7404	4228	1797	492.4	137.8	483	47	18.35	1682	609.9	893.3	4.5	200
Bharaf_31516	Atal Jal	Piezometer	28.3131	76.328	2023	8.08	134	75	30.92	8.24	2.51	11.42	2.1	0.0	26.5	3.38	18.36	2.43	0
Bharaf_31516	Atal Jal	Piezometer	28.3131	76.328	2024	8.19	124	77	31.53	8.42	2.55	9	1	0.4	29.5	11.86	19.85	0	11.25
Bhojawas_31517	Atal Jal	Piezometer	28.2334	76.2939	2023	8.04	1510	865	156	25	22.7	280	1.25	0.0	100.0	180	126	0.42	23
Bhojawas_31517	Atal Jal	Piezometer	28.2334	76.2939	2024	7.9	1485	926	399.3	109.4	30.63	106	10	2.8	367.2	100.3	198.5	0.4	49.75
Chelawas_31519	Atal Jal	Piezometer	28.312	76.2883	2023	8.23	2690	1560	200	18.4	37.42	562	2.12	0.0	268.0	410	175	0.56	28.5
Chelawas_31519	Atal Jal	Piezometer	28.312	76.2883	2024	7.88	2525	1589	672.5	185.2	51.04	181	18	4.6	635.4	202.2	337.5	1.2	80
Chhithroli_31520	Atal Jal	Tube Well	28.3797	76.2686	2024	7.02	4377	2448	455.8	107.1	45.72	642	33	0.345	349.7	203.7	745.3	1.84	94.5
Dhana_31521	Atal Jal	Piezometer	28.2561	76.3102	2023	7.9	3750	2175	328	58	44.46	740	2.1	0.0	200.0	420	560	0.61	40
Dhana_31521	Atal Jal	Piezometer	28.2561	76.3102	2024	7.95	3622	1993	851.2	231.5	66.35	228	22	6.7	793.3	264.7	416.9	1.7	98.5
Dhanaunda_31522	Atal Jal	Pizeometer	28.3534	76.2527	2024	7.22	2002	1258	535.9	147.3	40.83	144	14	0.796	509.2	151.3	268	0.8	65
Gagarwas_265059	Atal Jal	Tube Well	28.2679	76.2236	2024	8.43	1697	969	178.3	43.64	16.85	254	13	3.542	136.4	65.7	296.1	0.78	42
Gahara_31523	Atal Jal	Piezometer	28.3662	76.3181	2023	8.05	4820	2710	294	44	46	1056	2.85	0.0	252.0	658	356	0.71	56
Gahara_31523	Atal Jal	Piezometer	28.3662	76.3181	2024	8.02	4513	2645	1124	307.2	86.77	302	30	10.4	1049.6	365.7	555.9	2.5	128
Gomla_31524	Atal Jal	Tube Well	28.2179	76.3142	2024	7.97	1696	1071	198.2	47.61	19.25	281	15	1.316	148.6	75.7	326.7	0.87	45.75
Gomli_298016	Atal Jal	Tube Well	28.2306	76.3061	2024	7.68	1749	962	178.3	43.64	16.85	252	13	0.63	139.3	64.7	296.1	0.78	42
Gudha_31525	Atal Jal	Pizeometer	28.3132	76.2536	2024	8.23	4427	2810	1198	328.2	91.88	321	31	18.04	1112	391.6	595.6	2.7	135.5
Ishrana_31526	Atal Jal	Piezometer	28.2831	76.2949	2023	8.34	1420	798	70	16	7.29	256	0.75	0.0	182.0	186	139	0.23	19.5
Ishrana_31526	Atal Jal	Piezometer	28.2831	76.2949	2024	8.34	1281	711	304.7	84.16	22.97	81	8	6.0	284.0	66.6	148.9	0	40
Jhagroli_31527	Atal Jal	Piezometer	28.2977	76.2071	2023	8.2	2150	1223	122	24	15.06	385	1.1	0.0	314.0	210	124	0.58	21
Jhagroli_31527	Atal Jal	Piezometer	28.2977	76.2071	2024	8.36	2070	1214	514.9	143.1	38.28	139	14	10.6	479.6	144.5	258.1	0.7	63
Jharli_31528	Atal Jal	Pizeometer	28.379	76.2556	2024	7.65	4342	2484	1061	290.4	81.66	284	28	4.199	995.8	340.7	526.1	2.3	120.8
Jhigawan_31529	Atal Jal	Piezometer	28.2234	76.2543	2023	8.88	1675	1037	435	136	22.69	157.6	29.02	56.3	408.1	60.55	262.3	1.97	0
Jhigawan_31529	Atal Jal	Piezometer	28.2234	76.2543	2024	8.81	1554	911	388.8	105.2	30.63	104	10	22.5	348.5	97.4	188.6	0.3	49
Kaimla_31533	Atal Jal	Piezometer	28.3271	76.2497	2023	8.08	1310	826	345.3	107.1	18.9	125.6	23.14	0.0	328.6	47.98	223	1.57	0
Kaimla_31533	Atal Jal	Piezometer	28.3271	76.2497	2024	7.83	1307	777	336.3	88.37	28.07	89	9	2.0	308.0	77.2	168.7	0.2	43.25
Kakrala_31530	Atal Jal	Tube Well	28.2988	76.3087	2024	7.86	1698	1101	208.1	47.61	21.66	289	15	1.09	158.9	77.7	336.9	0.89	46.75
Kanina khas	CGWB	Tube Well	28.3353	76.3044	2015	8.63	1446	ND	78.0	13.0	11.0	335.0	4.3	26.0	410.0	152.0	186.0	0.93	0.93
Kanina khas	CGWB	Tube Well	28.3353	76.3044	2016	9.12	1281	ND	44.0	8.8	8.8	301.0	0.8	229.0	307.0	BDL	28.0	1.03	1.03
Kanina khas	CGWB	Tube Well	28.3353	76.3044	2017	Sample not collected from this location													
Kanina khas	CGWB	Tube Well	28.3353	76.3044	2018	8.52	1616	ND	108.0	17.0	16.0	359.0	1.4	69.0	748.0	4.0	97.0	0.68	0.68
Kanina khas	CGWB	Tube Well	28.3353	76.3044	2019	8.89	1520	ND	250.0	40.0	46.0	279.0	17.0	144.0	354.0	BDL	227.0	0.41	29.00
Kanina khas	CGWB	Tube Well	28.3353	76.3044	2020	8.66	1622	ND	120.1	16.0	19.5	337.0	2.3	60.0	414.9	25.0	234.0	0.44	31.00

Gram Panchayat	Source	Type of well	Latitude	Longitude	Year	pH	EC	TDS	TH	Ca	Mg	Na	K	CO ₃	HCO ₃	SO ₄	Cl	F	NO ₃
Kanina khas	CGWB	Tube Well	28.3353	76.3044	2021	8.45	3081	ND	742.2	90.8	125.2	387.0	3.1	46.8	47.6	292.0	779.9	0.34	29.00
Kanina khas	CGWB	Tube Well	28.3353	76.3044	2022	8.57	1706	ND	120.0	24.0	15.0	360.0	5.6	120.0	293.0	0.0	241.0	1.20	100.00
Kanina khas	CGWB	Tube Well	28.3353	76.3044	2023	Sample not collected from this location													
Kanina khas	CGWB	Tube Well	28.3353	76.3044	2024	8.83	2130	0	100.1	8.016	19.46	435	1.9	144	585.8	BDL	231	0.7	29
Kapoori_31531	Atal Jal	Piezometer	28.2851	76.3437	2023	7.71	687	440	180.4	57.68	8.83	66.86	12.32	0.0	174.9	25.06	118.1	1.45	0
Kapoori_31531	Atal Jal	Piezometer	28.2851	76.3437	2024	7.61	669	371	157.6	42.08	12.76	42	4	0.6	149.4	14.7	79.41	0	24.5
Karira_31532	Atal Jal	Piezometer	28.3323	76.3393	2023	7.8	1570	868	360.8	113.3	18.91	132	24.32	0.0	344.5	50.55	233.5	2.85	0
Karira_31532	Atal Jal	Piezometer	28.3323	76.3393	2024	8.06	1477	884	378.3	101	30.62	101	10	3.8	346.2	93.6	188.6	0.3	48
Khairana_31534	Atal Jal	Pizeometer	28.2099	76.2609	2024	7.78	1492	919	388.8	105.2	30.63	105	10	2.096	367.9	99.3	198.5	0.3	49.5
Kharkara Bass_31535	Atal Jal	Pizeometer	28.3506	76.2471	2024	8.41	1294	779	336.3	92.58	25.52	89	9	7.49	302.6	77.2	168.7	0.2	43.25
Kheri_31537	Atal Jal	Piezometer	28.3808	76.2271	2023	7.71	5890	3416	1085	355	48.36	872.1	95.35	0.0	654.5	275	1188	4.68	143
Kheri_31537	Atal Jal	Piezometer	28.3808	76.2271	2024	7.38	5606	3511	1492	408.2	114.9	401	39	3.2	1406.8	499.3	744.5	3.6	167.3
Koka_31538	Atal Jal	Pizeometer	28.2677	76.2621	2024	8.14	1287	794	336.3	92.58	25.52	91	9	4.152	315.8	80.1	168.7	0.2	43.75
Kotia_31539	Atal Jal	Piezometer	28.3437	76.3355	2023	8.09	2850	1596	328	58	44.46	325	2.36	0.0	200.0	240	480	0.89	38
Kotia_31539	Atal Jal	Piezometer	28.3437	76.3355	2024	8.41	2749	1697	725.1	197.8	56.15	194	19	16.4	663.8	219.5	357.3	1.3	85
Manpura_31540	Atal Jal	Tube Well	28.2494	76.3375	2024	6.84	1593	935	178.3	39.68	19.25	245	13	0.085	129.9	62.7	285.9	0.76	41
Mohanpur_31542	Atal Jal	Tube Well	28.2924	76.2747	2024	6.99	1719	993	188.3	43.64	19.25	261	14	0.129	139.9	67.7	306.3	0.81	43
Mori_31543	Atal Jal	Tube Well	28.2349	76.3252	2024	6.96	1677	942	178.3	39.68	19.25	247	13	0.12	139.9	63.7	285.9	0.76	41.25
Mundayan_31544	Atal Jal	Piezometer	28.233	76.2325	2023	9.08	982	532	221.6	70.04	11.35	80.92	14.91	68.2	206.7	30.55	141.7	1.79	0
Mundayan_31544	Atal Jal	Piezometer	28.233	76.2325	2024	9.21	949	573	241.7	67.33	17.86	65	6	35.1	198.9	45.5	119.1	0	33.75
Nangal_31545	Atal Jal	Piezometer	28.2807	76.2794	2023	8.06	2190	1256	100	20	12.15	369	2.12	0.0	258.0	310	210	0.61	39
Nangal_31545	Atal Jal	Piezometer	28.2807	76.2794	2024	7.87	2182	1261	535.9	147.3	40.83	144	14	3.6	506.4	152.2	268	0.8	65
Nautana_31546	Atal Jal	Tube Well	28.4289	76.2085	2024	7.91	2713	1674	307.2	71.42	31.28	439	23	1.834	238.1	131.7	510.5	1.36	67.25
Pathera_31548	Atal Jal	Tube Well	28.3329	76.235	2024	9.24	4100	2514	465.7	107.1	48.12	660	34	58.81	308.7	209.7	765.7	1.9	97
Pota_31549	Atal Jal	Piezometer	28.4226	76.2235	2023	7.82	10110	6066	2319	769.1	96.79	1470	160.7	0.0	1368.5	463.6	1995	7.28	241.1
Pota_31549	Atal Jal	Piezometer	28.4226	76.2235	2024	8.12	9166	5231	2228	606	173.5	597	59	26.0	2074.2	765.7	1102	5.7	245.5
Rambas_31550	Atal Jal	Piezometer	28.273	76.3169	2023	7.53	1189	784.7	404.6	108.5	32.5	87.9	25.1	0.0	368.9	58.8	211.4	1.54	33.7
Rambas_31550	Atal Jal	Piezometer	28.273	76.3169	2024	7.81	1155	708	304.7	84.16	22.97	81	8	1.7	278.3	66.6	148.9	0	40
Rasulpur_31551	Atal Jal	Pizeometer	28.286	76.2531	2024	8.21	1289	795	336.3	92.58	25.52	91	9	4.878	315.1	80.1	168.7	0.2	43.75
Ratakalan_31498	CGWB	Hand Pump	28.1894	76.2867	2015	8.02	1115	ND	233.0	40.0	32.0	182.0	5.0	0.0	244.0	140.0	192.0	0.21	42.00
Ratakalan_31498	CGWB	Hand Pump	28.1894	76.2867	2016	8.63	1184	ND	198.0	35.0	27.0	178.0	2.4	24.0	171.0	79.0	202.0	0.46	45.00
Ratakalan_31498	CGWB	Hand Pump	28.1894	76.2867	2017	Sample not collected from this location													
Ratakalan_31498	CGWB	Hand Pump	28.1894	76.2867	2018	8.34	1440	ND	333.0	56.0	47.0	188.0	3.8	13.0	279.0	115.0	264.0	0.20	24.00
Ratakalan_31498	CGWB	Hand Pump	28.1894	76.2867	2019	8.26	1302	ND	480.0	49.0	88.0	139.0	5.0	0.0	244.0	103.0	298.0	0.36	58.00
Ratakalan_31498	CGWB	Hand Pump	28.1894	76.2867	2020	8.39	1052	ND	200.2	24.0	34.0	156.0	2.4	36.0	183.1	45.0	170.2	0.16	31.00
Ratakalan_31498	CGWB	Hand Pump	28.1894	76.2867	2021	8.61	1272	ND	237.1	24.8	42.6	162.0	3.1	62.4	126.9	0.0	262.3	0.38	27.00
Ratakalan_31498	CGWB	Hand Pump	28.1894	76.2867	2022	8.15	1222	ND	230.0	40.0	32.0	180.0	5.6	0.0	268.0	0.0	220.0	0.77	110.00
Ratakalan_31498	CGWB	Hand Pump	28.1894	76.2867	2023	8.41	1284	ND	290.0	60.0	34.0	171.5	2.9	48.0	366.0	0.0	191.7	0.70	29.70
Ratakalan_31498	CGWB	Hand Pump	28.1894	76.2867	2024	8.4	1194	0	220.2	32.06	34.05	164	2.6	57.6	190.4	BDL	191.4	0.36	49
Sehlang_31552	Atal Jal	Piezometer	28.4031	76.2116	2023	8.29	2670	1762	542.7	189.3	17	213.5	23.34	0.0	351.1	67.27	285	2.12	34.99
Sehlang_31552	Atal Jal	Piezometer	28.4031	76.2116	2024	8.61	2555	1636	693.6	189.4	53.59	187	18	25.3	635.5	209.9	347.4	1.2	82
Sigra_31553	Atal Jal	Pizeometer	28.2855	76.1856	2024	8.03	1869	1108	472.9	130.5	35.73	126	12	4.432	435.6	128.2	238.2	0.6	58
Sigri_31554	Atal Jal	Tube Well	28.2993	76.177	2024	5.77	2446	1487	277.4	63.48	28.88	390	20	0.012	210	113.7	459.4	1.21	60.5
Sihor_31555	Atal Jal	Piezometer	28.3726	76.289	2023	7.42	9256	5196	884	153.6	121.5	1480	1.25	0.0	204.0	1156	1410	0.58	58
Sihor_31555	Atal Jal	Piezometer	28.3726	76.289	2024	7.19	8862	4963	2112	576.5	163.3	567	56	2.9	1987.1	723.4	1052	5.4	233.5
Sundarh_31556	Atal Jal	Pizeometer	28.2487	76.2662	2024	7.74	865	492	210.2	58.91	15.32	56	6	1.033	198.9	33	99.26	0	30.25
Syana_31558	Atal Jal	Piezometer	28.4488	76.2222	2023	8.02	11010	6695	2780	870	150	1020	190	0.0	2650.0	400	1780	2.79	0

Gram Panchayat	Source	Type of well	Latitude	Longitude	Year	pH	EC	TDS	TH	Ca	Mg	Na	K	CO ₃	HCO ₃	SO ₄	Cl	F	NO ₃
Syana_31558	Atal Jal	Piezometer	28.4488	76.2222	2024	7.59	10106	6236	2659	723.8	206.7	712	70	9.1	2490.9	920.5	1320	7	291.3
Talwana_31559	Atal Jal	Tube Well	28.3704	76.2137	2024	8.91	3848	2362	436	103.2	43.31	620	32	25.98	315.5	195.7	724.9	1.78	91.5
Uchhat_31560	Atal Jal	Piezometer	28.3916	76.2642	2023	8.8	2980	1898	773.1	247.2	37.85	288.5	53.15	34.7	742.0	111.7	500	1.76	0
Uchhat_31560	Atal Jal	Piezometer	28.3916	76.2642	2024	8.9	2886	1688	714.6	197.8	53.6	193	19	50.8	632.4	217.6	357.3	1.3	84.5
Unhani_31561	Atal Jal	Piezometer	28.3301	76.2839	2023	8.46	2390	1370	94	12.8	14.06	456	1.25	0.0	326.0	396	125	0.61	23.6
Unhani_31561	Atal Jal	Piezometer	28.3301	76.2839	2024	8.52	2174	1346	578	155.7	45.94	154	15	16.8	523.5	164.7	287.9	0.9	69

Name of District	Name of Block	Source	Name of village/ OW data	Latitude	Longitude	EC June 2020	EC June-2021	EC June-2022	EC June-2023	EC June-2024
Mahendragarh_69	Kanina_523	Atal Jal	Aghiyar_31508	28.3513	76.2051	ND	ND	ND	ND	2534
Mahendragarh_69	Kanina_523	Atal Jal	Akbarpur Nangal_31509	28.2839	76.2254	ND	ND	ND	ND	7948
Mahendragarh_69	Kanina_523	Atal Jal	Anawas_31510	28.2922	76.1915	ND	ND	ND	ND	1759
Mahendragarh_69	Kanina_523	Atal Jal	Bachini_31511	28.2718	76.2339	ND	ND	ND	2110	2038
Mahendragarh_69	Kanina_523	Atal Jal	Baghot_31512	28.4233	76.264	ND	ND	ND	ND	15265
Mahendragarh_69	Kanina_523	Atal Jal	Bawania_31513	28.2619	76.2278	ND	ND	ND	ND	3947
Mahendragarh_69	Kanina_523	Atal Jal	Bewal_31514	28.2101	76.2399	ND	ND	ND	809	781
Mahendragarh_69	Kanina_523	Atal Jal	Bhalkhi_31515	28.1977	76.2019	ND	ND	ND	ND	7404
Mahendragarh_69	Kanina_523	Atal Jal	Bharaf_31516	28.3131	76.328	ND	ND	ND	134	124
Mahendragarh_69	Kanina_523	Atal Jal	Bhojawas_31517	28.2334	76.2939	ND	ND	ND	1510	1485
Mahendragarh_69	Kanina_523	SGWB	Chelawas	28.3175	76.2853	2000	2000	ND	1500	1600
Mahendragarh_69	Kanina_523	Atal Jal	Chelawas_31519	28.312	76.2883	ND	ND	ND	2690	2525
Mahendragarh_69	Kanina_523	Atal Jal	Chhithroli_31520	28.3797	76.2686	ND	ND	ND	ND	4377
Mahendragarh_69	Kanina_523	SGWB	Chhitroli	28.3762	76.2653	900	1100	ND	700	800
Mahendragarh_69	Kanina_523	Atal Jal	Dhana_31521	28.2561	76.3102	ND	ND	ND	3750	3622
Mahendragarh_69	Kanina_523	Atal Jal	Dhanaunda_31522	28.3534	76.2527	ND	ND	ND	ND	2002
Mahendragarh_69	Kanina_523	Atal Jal	Gagarwas_265059	28.2679	76.2236	ND	ND	ND	ND	1697
Mahendragarh_69	Kanina_523	SGWB	Gahara	28.3636	76.3141	1800	2000	ND	1800	1900
Mahendragarh_69	Kanina_523	Atal Jal	Gahara_31523	28.3662	76.3181	ND	ND	ND	4820	4513
Mahendragarh_69	Kanina_523	Atal Jal	Gomla_31524	28.2179	76.3142	ND	ND	ND	ND	1696
Mahendragarh_69	Kanina_523	Atal Jal	Gomli_298016	28.2306	76.3061	ND	ND	ND	ND	1749
Mahendragarh_69	Kanina_523	Atal Jal	Gudha_31525	28.3132	76.2536	ND	ND	ND	ND	4427
Mahendragarh_69	Kanina_523	Atal Jal	Ishrana_31526	28.2831	76.2949	ND	ND	ND	1420	1281
Mahendragarh_69	Kanina_523	Atal Jal	Jhagroli_31527	28.2977	76.2071	ND	ND	ND	2150	2070
Mahendragarh_69	Kanina_523	Atal Jal	Jharli_31528	28.379	76.2556	ND	ND	ND	ND	4342
Mahendragarh_69	Kanina_523	Atal Jal	Jhigawan_31529	28.2234	76.2543	ND	ND	ND	1675	1554
Mahendragarh_69	Kanina_523	Atal Jal	Kaimla_31533	28.3271	76.2497	ND	ND	ND	1310	1307
Mahendragarh_69	Kanina_523	Atal Jal	Kakrala_31530	28.2988	76.3087	ND	ND	ND	ND	1698
Mahendragarh_69	Kanina_523	SGWB	Kanina KOW	28.3331	76.301	1900	2000	ND	1900	2000
Mahendragarh_69	Kanina_523	Atal Jal	Kapoori_31531	28.2851	76.3437	ND	ND	ND	687	669
Mahendragarh_69	Kanina_523	Atal Jal	Karira_31532	28.3323	76.3393	ND	ND	ND	1570	1477
Mahendragarh_69	Kanina_523	Atal Jal	Khairana_31534	28.2099	76.2609	ND	ND	ND	ND	1492
Mahendragarh_69	Kanina_523	SGWB	Kharkara	28.3586	76.2484	1400	1400	ND	ND	1500
Mahendragarh_69	Kanina_523	Atal Jal	Kharkara Bass_31535	28.3506	76.2471	ND	ND	ND	ND	1294
Mahendragarh_69	Kanina_523	Atal Jal	Kheri_31537	28.3808	76.2271	ND	ND	ND	5890	5606
Mahendragarh_69	Kanina_523	Atal Jal	Koka_31538	28.2677	76.2621	ND	ND	ND	ND	1287
Mahendragarh_69	Kanina_523	Atal Jal	Kotia_31539	28.3437	76.3355	ND	ND	ND	2850	2749
Mahendragarh_69	Kanina_523	Atal Jal	Manpura_31540	28.2494	76.3375	ND	ND	ND	ND	1593

Name of District	Name of Block	Source	Name of village/ OW data	Latitude	Longitude	EC June 2020	EC June-2021	EC June-2022	EC June-2023	EC June-2024
Mahendragarh_69	Kanina_523	Atal Jal	Mohanpur_31542	28.2924	76.2747	ND	ND	ND	ND	1719
Mahendragarh_69	Kanina_523	Atal Jal	Mori_31543	28.2349	76.3252	ND	ND	ND	ND	1677
Mahendragarh_69	Kanina_523	Atal Jal	Mundayan_31544	28.233	76.2325	ND	ND	ND	982	949
Mahendragarh_69	Kanina_523	SGWB	Nangal Harnath	28.2879	76.2214	1900	2100	ND	1800	2300
Mahendragarh_69	Kanina_523	Atal Jal	Nangal_31545	28.2807	76.2794	ND	ND	ND	2190	2182
Mahendragarh_69	Kanina_523	SGWB	Nangalm pur	28.2916	76.28	1600	1900	ND	2200	1900
Mahendragarh_69	Kanina_523	Atal Jal	Nautana_31546	28.4289	76.2085	ND	ND	ND	ND	2713
Mahendragarh_69	Kanina_523	SGWB	Pathera	28.3272	76.2203	2000	2000	ND	1800	1900
Mahendragarh_69	Kanina_523	Atal Jal	Pathera_31548	28.3329	76.235	ND	ND	ND	ND	4100
Mahendragarh_69	Kanina_523	Atal Jal	Pota_31549	28.4226	76.2235	ND	ND	ND	10110	9166
Mahendragarh_69	Kanina_523	Atal Jal	Rambas_31550	28.273	76.3169	ND	ND	ND	1189	1155
Mahendragarh_69	Kanina_523	Atal Jal	Rasulpur_31551	28.286	76.2531	ND	ND	ND	ND	1289
Mahendragarh_69	Kanina_523	Atal Jal	Sehlang_31552	28.4031	76.2116	ND	ND	ND	2670	2555
Mahendragarh_69	Kanina_523	SGWB	Shelang	28.4061	76.2171	1900	1900	ND	2100	2200
Mahendragarh_69	Kanina_523	Atal Jal	Sigra_31553	28.2855	76.1856	ND	ND	ND	ND	1869
Mahendragarh_69	Kanina_523	Atal Jal	Sigri_31554	28.2993	76.177	ND	ND	ND	ND	2446
Mahendragarh_69	Kanina_523	Atal Jal	Sihor_31555	28.3726	76.289	ND	ND	ND	9256	8862
Mahendragarh_69	Kanina_523	SGWB	Siyana	28.443	76.2192	4800	4800	ND	1700	4700
Mahendragarh_69	Kanina_523	Atal Jal	Sundarh_31556	28.2487	76.2662	ND	ND	ND	ND	865
Mahendragarh_69	Kanina_523	SGWB	Sundrah	28.2489	76.2662	2100	2200	ND	4600	1800
Mahendragarh_69	Kanina_523	Atal Jal	Syana_31558	28.4488	76.2222	ND	ND	ND	11010	10106
Mahendragarh_69	Kanina_523	Atal Jal	Talwana_31559	28.3704	76.2137	ND	ND	ND	ND	3848
Mahendragarh_69	Kanina_523	SGWB	Uchat	28.392	76.2651	1500	1600	ND	1400	1500
Mahendragarh_69	Kanina_523	Atal Jal	Uchhat_31560	28.3916	76.2642	ND	ND	ND	2980	2886
Mahendragarh_69	Kanina_523	Atal Jal	Unhani_31561	28.3301	76.2839	ND	ND	ND	2390	2174