

ATAL BHUJAL YOJANA (AtalJal)

State : HARYANA

**Department : IRRIGATION & WATER
RESOURCE DEPARTMENT**

BLOCK : ELLENABAD

DISTRICT : SIRSA

YEAR : 2023-2024

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

HYDROGEOLOGICAL REPORT

(YEAR: 2023-24)

STATE	:	HARYANA
DISTRICT	:	SIRSA
BLOCK/TALUK	:	ELLENABAD
BLOCK/TALUK HQs	:	ELLENABAD

A		GENERAL INFORMATION			
1.	Geographical area (Ha)	:	54631.57		
2.	No. of Gram Panchayats	:	33		
3.	No. of towns	:	1		
4.	No. of villages	:	38		
5.	Population (2011)	:	Male	Female	Total
			51589	49102	100691
6.	Rainfall (mm)(2021)	:	Monsoon	Non-monsoon	Annual
			347.18	84	431.18
7.	River basin	:	Ghaggar river basin		
8.	Major soil types	:	Sand to Sandy soil		

B		LAND USE		
1.	Forest area (Ha)	:	750	
2.	Cultivable area (Ha)	:	45813	
3.	Net sown area (Ha)	:	45319	
4.	Gross cropped area (Ha)	:	91019	

C		CROPPING PATTERN (As in 2022-23)				
1.	Major crops grown	:	Kharif	Rabi	Summer	Perennial
			Paddy	Wheat	NA	Sugarcane
			Cotton	Mustard		
			Bajra			
			Vegetable	Onion		

D		IRRIGATION FACILITIES (As in 2022-23)					
1.	Net irrigated area (Ha)	:	40384				
2.	Gross irrigated area (Ha)	:	62375				
3.	Area under irrigation (Ha) (Source-wise)	:	DW	BW/TW	Tanks/Ponds	Canals	Others
				44282	-	18093	-

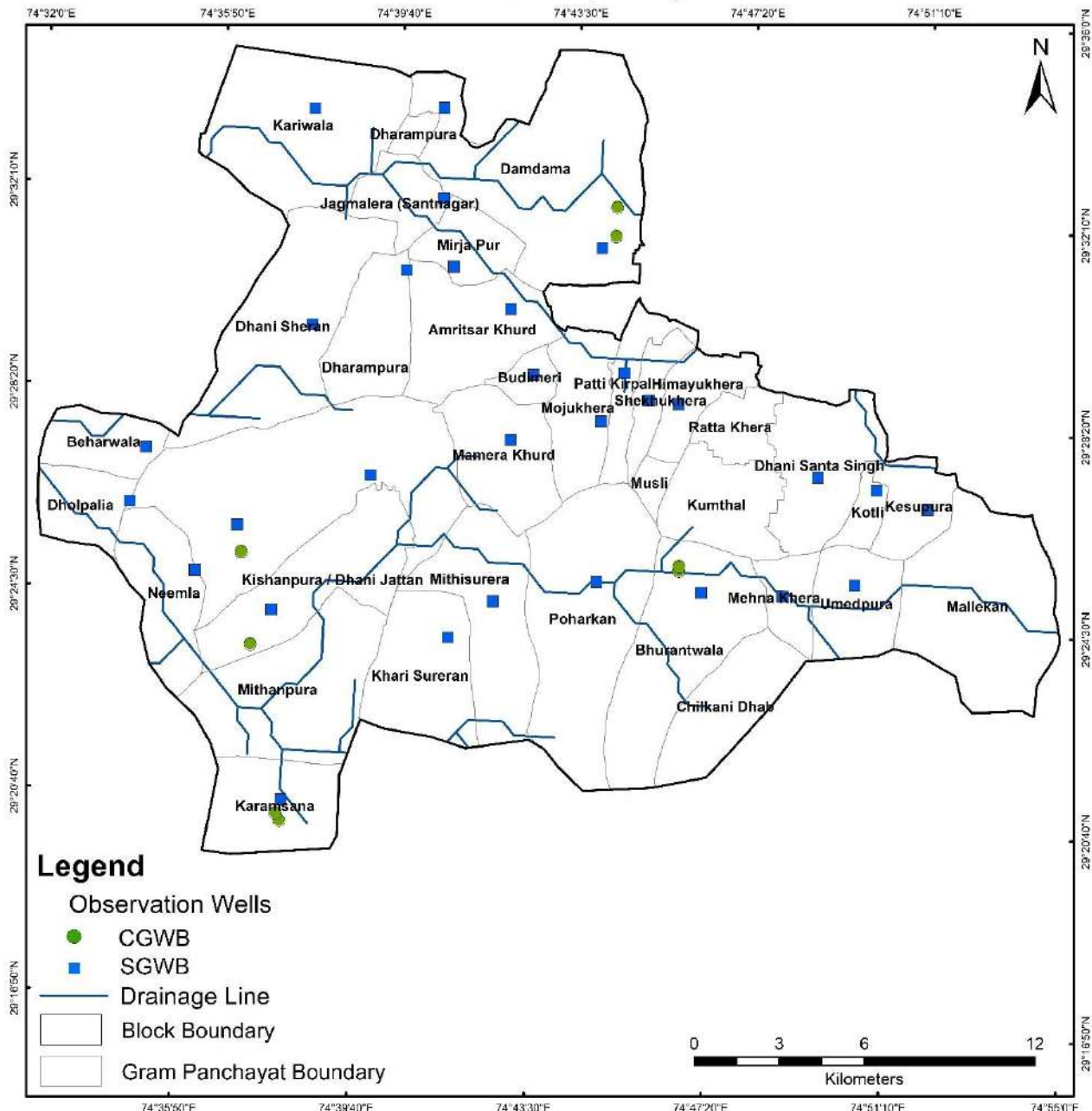
E		GEOLOGY & HYDROGEOLOGY		
1.	Predominant rocktype	:	Sand, Silt, Clay &Kankar	
2.	Major geological formations	:	Older Alluvium	
3.	Important water-bearing formations	:	Coarse grain sand	
4.	Status of coverage under NAQUIM	:	Covered	

I WATER-RELATED SCHEMES	
1.	Schemes with a bearing on ground water, being implemented in the block / taluk.
	Centrally Sponsored /Central Sector Schemes
	i) PMKSY
	ii) JJM
	iii) MNREGA
	iv) RKVY
	State Schemes
	i) State Plan Scheme (Head 2402)
	ii) MPMV
	iii)
	iv)

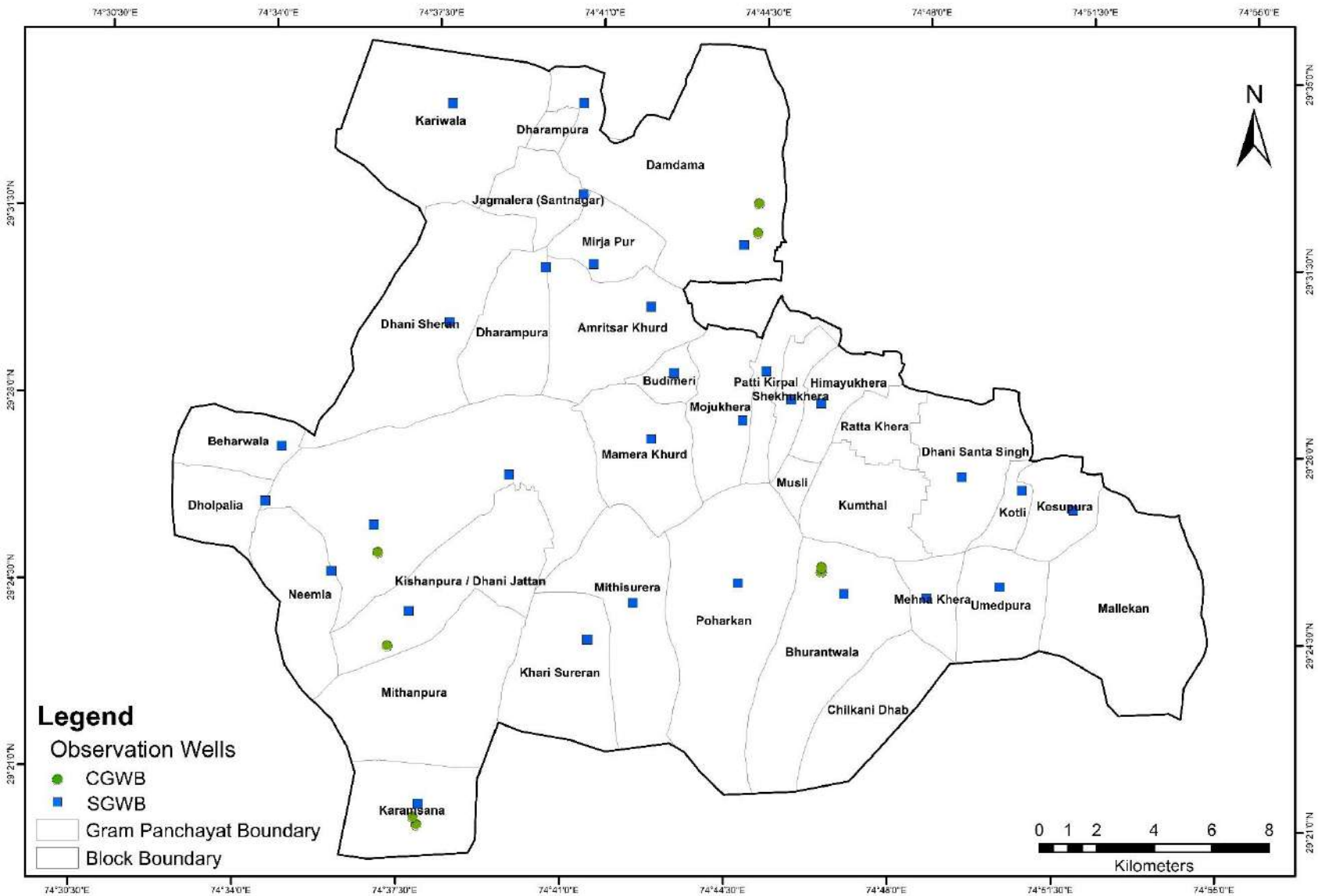
J GROUND WATER RELATED ISSUES	
1.	Ground water related issues of the block
i) Issues related to GW availability	: Due over exploitation of Groundwater, subsequently the present stage of ground water extraction is 226.4%
ii) Issues related to GW quality	: Groundwater contamination can be seen in pockets with salinity is fresh to moderate.
iii) Other issues if any.	: No

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

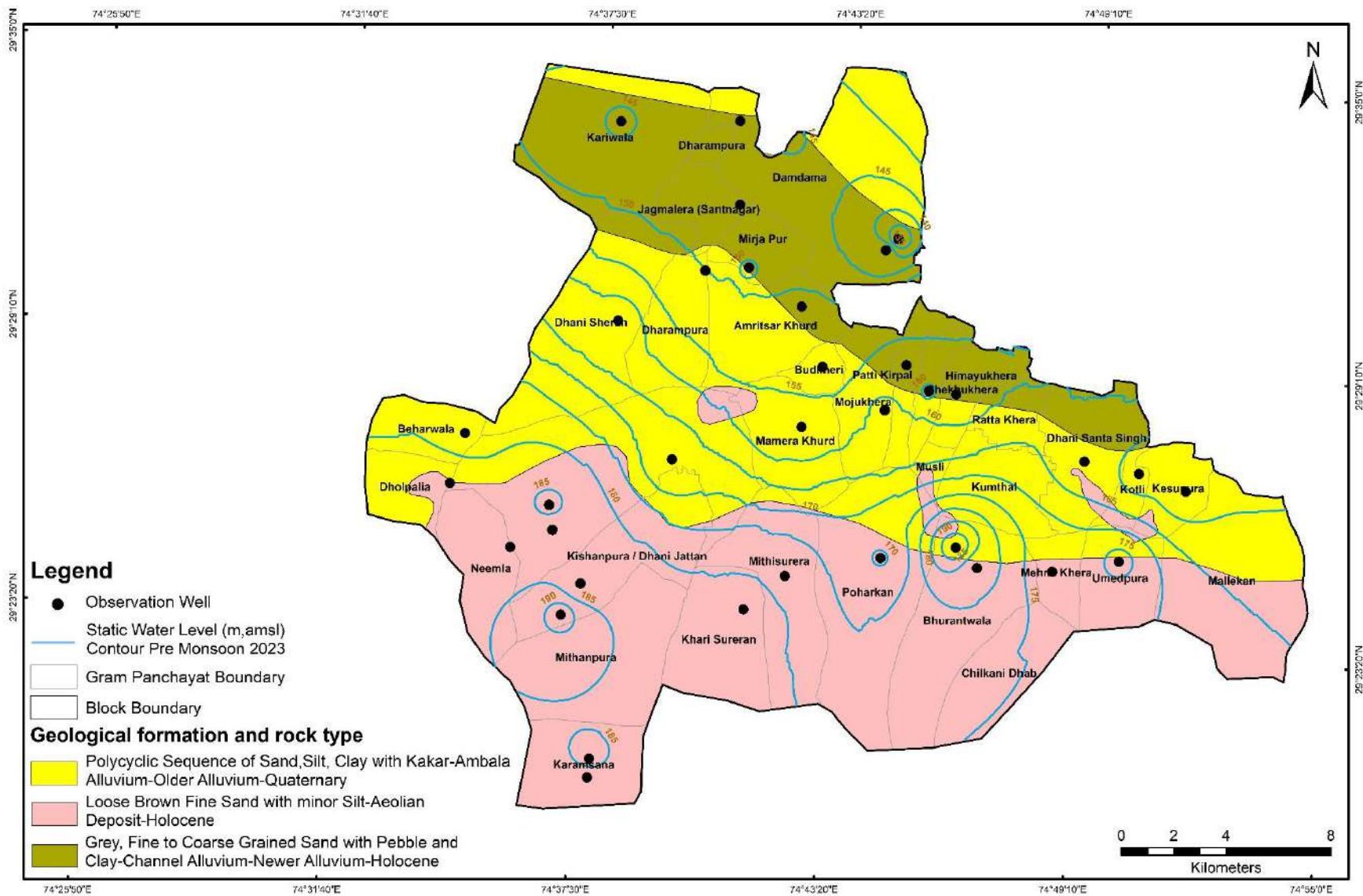
Location Map of Block- Ellenabad, District- Sirsa, Haryana



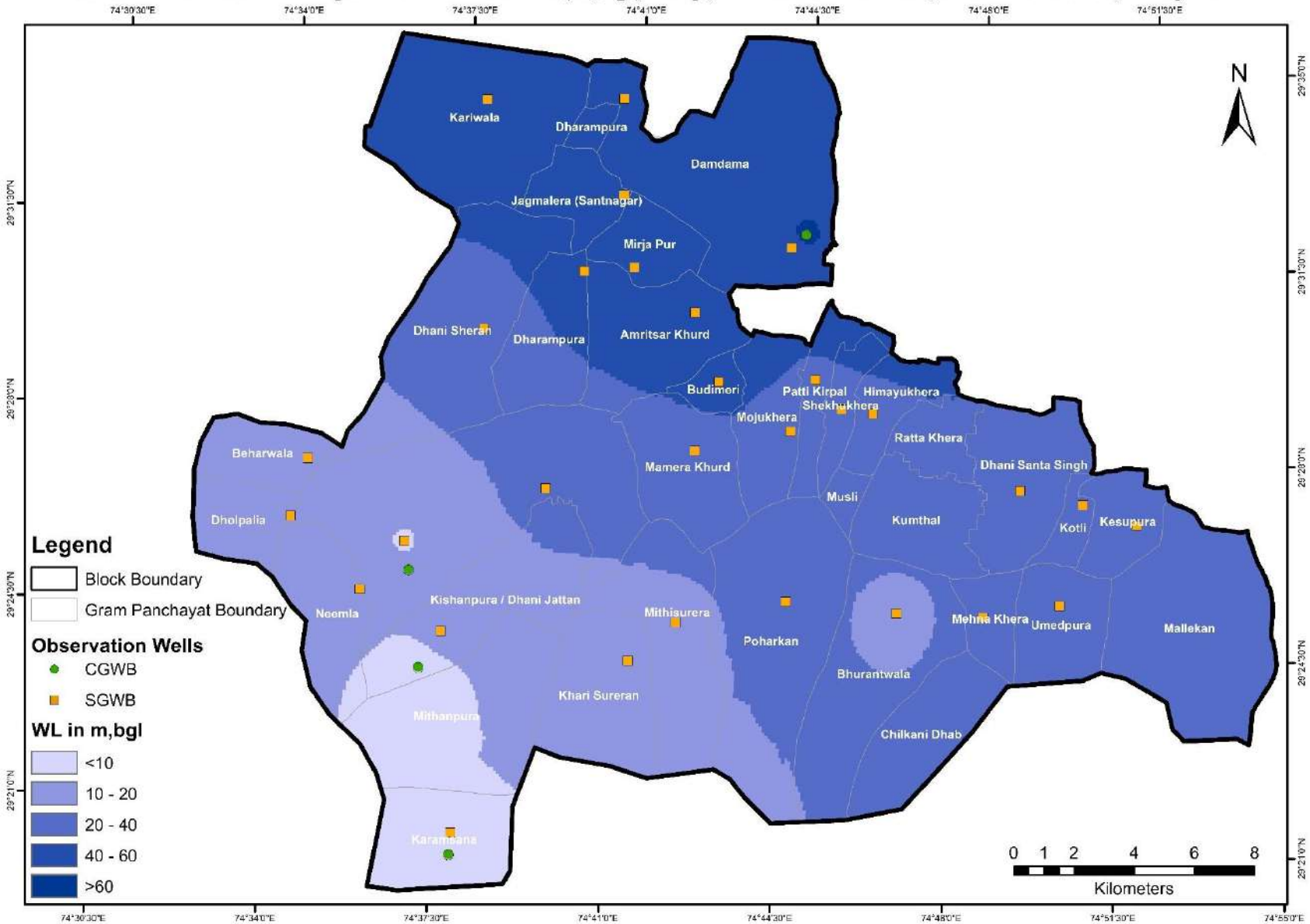
Location of Observation Wells for Monitoring Water Levels and Water Quality, Block-Ellenabad, District- Sirsa, Haryana



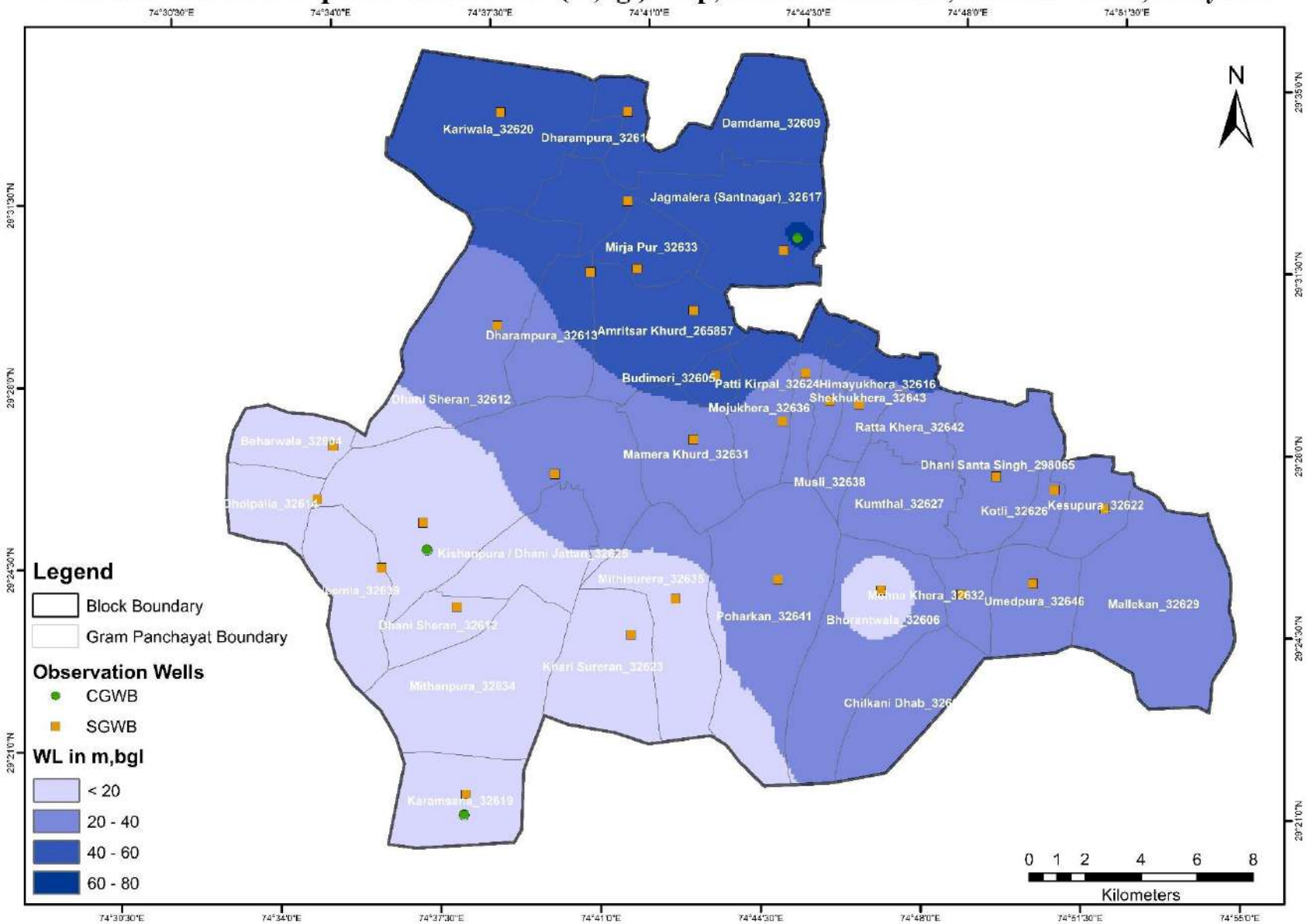
Hydrogeological Map, Block- Ellenabad, District- Sirsa, Haryana



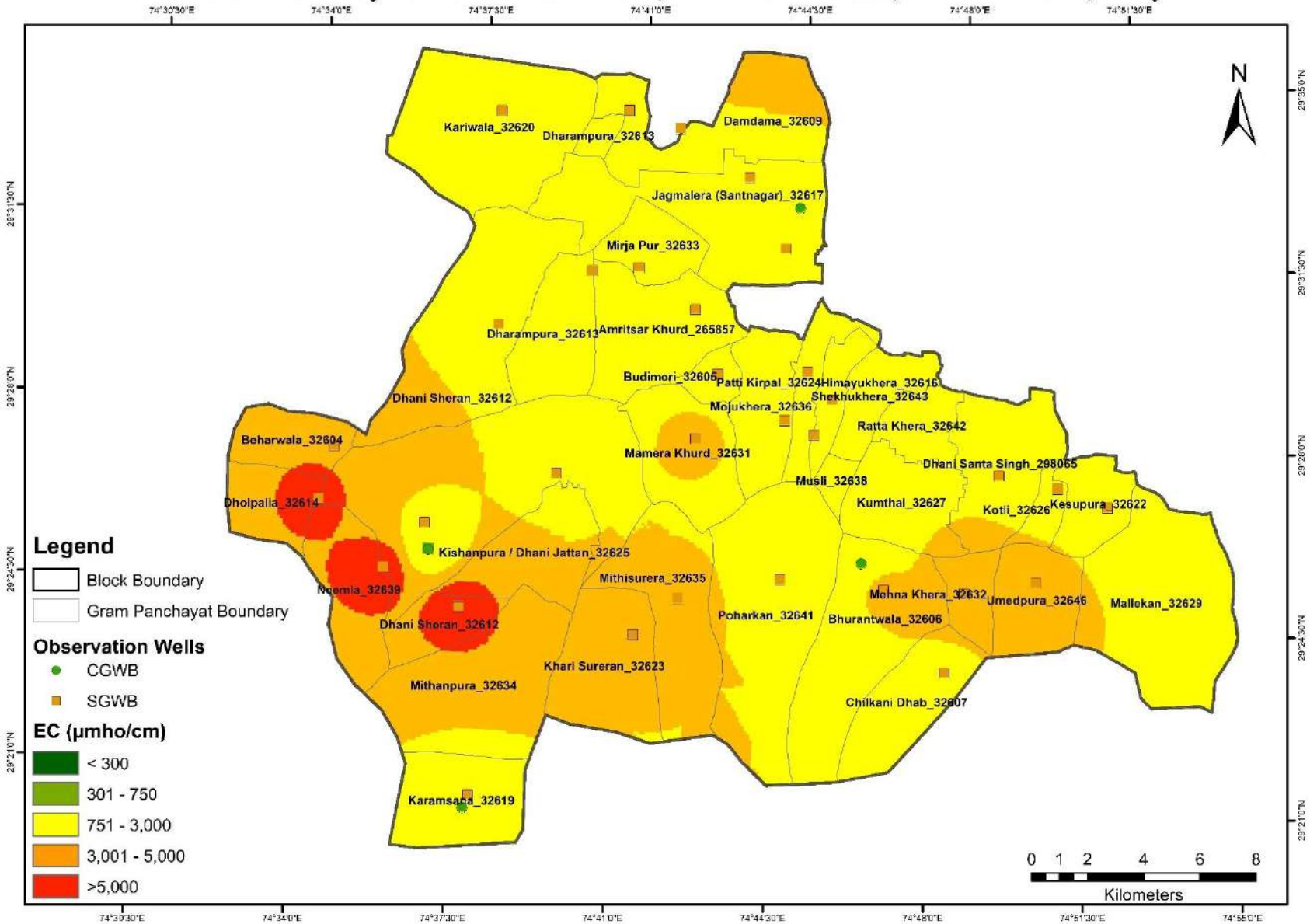
Pre Monsoon 2023 Depth to Water Level (m,bgl) Map, Block - Ellenabad, District - Sirsa, Haryana



Post Monsoon 2023 Depth to Water Level (m,bgl) Map, Block - Ellenabad, District - Sirsa, Haryana



Electrical Conductivity of Groundwater-2023, Block - Ellenabad, District - Sirsa, Haryana



ANNEXURE: I
BASIC DATA OF MONITORING WELLS

State	Haryana				District	Sirsa				Block	Ellenabad				
S.No	Well ID	GP Name	Name of the village	Site Name	Latitude	Longitude	Type of Well (DW/Pz)	Reduced Level	Aquifer Type/Lithology	Height of Measuring	Depth (m,bgl)	Diameter (m)	Purpose of Monitoring (WL/WQ)	Monitoring Mechanism	Agency
1	Am_29.5034_74.7054	Amritsar Khurd_265857	Amritsar	Govt. Primary School Amritsar Kalan	29.5034	74.705351	PZ	194.33	Unconfined to Semi Confined	0.65	96	0.1	Both	Manual	SGWB
2	Da_29.5658_74.6773	Damdama_32609	Damdama	Outside Damdama main road	29.565849	74.67734	DW	193	Unconfined to Semi Confined	1.25	68	2	Both	Manual	SGWB
3	Dh_29.4363_74.5714	Dholpalia_32614	Dholpalia	Dholpalia OW in Village	29.436334	74.571446	DW	196.18	Unconfined to Semi Confined	1.25	19	2	Both	Manual	SGWB
4	El_29.4486_74.6578	Ellanabad	Ellanabad	Girls School Ellanabad	29.448616	74.657813	PZ	195.48	Unconfined to Semi Confined	0.65	60	0.1	Both	Manual	SGWB
5	Hu_29.4652_74.7511	Himayukhera_32616	Humayu Khera	Humayu Khera On road tubewell	29.46519	74.75108	TW	195.75	Unconfined to Semi Confined	0.7	80	0.254	Both	Manual	SGWB
7	Ja_29.5465_74.7226	Jagmalera (Santnagar)_32617	Jagmalera	Tubewell on road Jagmalera	29.546512	74.722596	TW	196.83	Unconfined to Semi Confined	0.7	110	0.254	Both	Manual	SGWB
8	Ji_29.5242_74.7371	Damdama_32609	Jiwan Nagar	PT Near Aganwadi Jiwan Nagar	29.524203	74.737124	PZ	195.84	Unconfined to Semi Confined	0.65	60	0.1	Both	Manual	SGWB
9	Ka_29.3445_74.6318	Karamsana_32619	Karamshana	Well in Village Karamshana	29.344465	74.631755	DW	195.22	Unconfined to Semi Confined	1.25	18.5	2	Both	Manual	SGWB
10	Ka_29.5635_74.6307	Kariwala_32620	Kariwala	Kariwala Tubewell on Main Road	29.563536	74.63071	TW	196.04	Unconfined to Semi Confined	0.7	110	0.254	Both	Manual	SGWB

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11	Ka_29.4307_74.6107	Kashiramka Bass	Kashiramka Bass	Well in Village Kashiramka Bass	29.4307	74.6107	DW	195.21	Unconfined to Semi Confined	1.25	17	2	Both	Manual	SGW B
12	Ke_29.4469_74.8597	Kesupura_32622	Kesupura	Public Health tube well Kesupura	29.446932	74.859655	TW	200.49	Unconfined to Semi Confined	0.7	80	0.254	Both	Manual	SGW B
13	Kh_29.3985_74.689	Khari Sureran_32623	Khari Sureran	Public Health tube well Khari Sureran	29.398544	74.688951	TW	193.78	Unconfined to Semi Confined	0.7	80	0.254	Both	Manual	SGW B
14	Ko_29.4522_74.841	Kotli_32626	Kotli	Public Health tube well Kotli	29.452164	74.840956	TW	197.91	Unconfined to Semi Confined	0.7	90	0.254	Both	Manual	SGW B
15	Ku_29.4554_74.8193	Dhani Santa Singh_298065	Kuta Bad	Public Health tube well Kuta Bad	29.455415	74.819341	TW	196.25	Unconfined to Semi Confined	0.7	80	0.254	Both	Manual	SGW B
16	Ma_29.4621_74.7078	Mamera Khurd_32631	Mamera Kalan	Tube Well on road Mamera Kalan to Ellenabad	29.462125	74.707804	TW	193.75	Unconfined to Semi Confined	0.7	90	0.254	Both	Manual	SGW B
17	Me_29.4171_74.809	Mehna Khera_32632	Mehana Khera	Tubewell Near Nehar Mehana Khera	29.417071	74.808966	PZ	196.3	Unconfined to Semi Confined	0.65	75	0.1	Both	Manual	SGW B
18	Mi_29.5158_74.6839	Mirja Pur_32633	Mirja Pur	PT GSSS Mirja Pur	29.515794	74.683882	TW	192.5	Unconfined to Semi Confined	0.7	96	0.254	Both	Manual	SGW B
19	Mi_29.4107_74.7044	Mithisurera_32635	Mithi Sureran	Public Health tube well Mithi Sureran	29.410722	74.704446	TW	193.82	Unconfined to Semi Confined	0.7	80	0.254	Both	Manual	SGW B
20	Mo_29.4694_74.7401	Mojukhera_32636	Moju Khera	Tubewell Ellenabad Road Moju Khera	29.469423	74.740068	TW	196.01	Unconfined to Semi Confined	0.7	80	0.254	Both	Manual	SGW B
21	Ni_29.4156_74.5964	Neemla_32639	Nimla	Well in middle of Village Nimla	29.415554	74.596384	DW	197.26	Unconfined to Semi Confined	1.25	18	2	Both	Manual	SGW B

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22	Pa_29.4852_74.7476	Patti Kirpal_32624	Patti Kirpal	Tube Well On Road Patti Kirpal	29.485237	74.747582	TW	194	Unconfined to Semi Confined	0.7	90	0.254	Both	Manual	SGW B
23	Po_29.4187_74.7415	Poharkan_32641	Poharka	Tubewell near Nehar Poharka	29.418664	74.741496	TW	195.03	Unconfined to Semi Confined	0.7	80	0.254	Both	Manual	SGW B
24	Se_29.4768_74.757	Shekhukhera_32643	Seku Khera	Tubewell On Road Seku Khera	29.476832	74.75699	TW	199.25	Unconfined to Semi Confined	0.7	90	0.254	Both	Manual	SGW B
25	Sh_29.4044_74.6247	Kishanpura/Dhani i Jattan_32625	Sheran Wali	Public Health tube well Sheran Wali	29.404386	74.6247	TW	195.12	Unconfined to Semi Confined	0.7	80	0.254	Both	Manual	SGW B
26	Ta_29.4952_74.6338	Dhani Sheran_32612	Talwara Khurd	Tubewell in Village Talwara Khurd	29.495169	74.633831	PZ	194	Unconfined to Semi Confined	0.65	60	0.1	Both	Manual	SGW B
27	Th_29.5139_74.6669	Dharampura_32613	Thobrian	GPS Thobrian	29.513945	74.666882	PZ	192	Unconfined to Semi Confined	0.65	96	0.1	Both	Manual	SGW B
28	Um_29.4218_74.8348	Umedpura_32646	Umed Pura	Public Health tube well Sirsa- Ellenabad Umed Pura	29.421762	74.834834	PZ	196.21	Unconfined to Semi Confined	0.65	30	0.1	Both	Manual	SGW B
29	W292530074461501	Bhurantwala_32606	Bhuratwala	Bhuratwala-Pz	29.423611	74.770833	PZ	194	Unconfined to Semi Confined	0.6	103	152mm	Both	Manual	CGW B
30	W292025074374801	Karamsana_32619	Karamsana	Karamsana	29.338889	74.63	DW	190.11	Unconfined to Semi Confined	2.55	31.8	1.95m	Both	Manual	CGW B
31	W282109076571701	NA	Kash Ram Dhab	Kash Ram Dhab	29.423611	74.6125	DW	192.1	Unconfined to Semi Confined	0.78	14.35	3.2	Both	Manual	CGW B
32	W293215074443003	Damdama_32609	Sri Jiwan Nagar	Sri Jiwan Nagar-B	29.542222	74.741667	DW	193.94	Unconfined to Semi Confined	0.3	70	105mm	WL	Manual	CGW B
33	Be_29.4537_74.5762	Beharwala_32604	Beharwala	Well on pond (Johad) Beharwala	29.453733	74.57624	DW	195.16	Unconfined to Semi Confined	1.25	15	2	Both	Manual	SGW B

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34	Bh_29.417_74.7795	Bhurantwala_32606	Bhuratwala	Public Health tubewell near Canal (Nehar) Bhuratwala	29.416988	74.779473	TW	194.39	Unconfined to Semi Confined	0.7	80	0.254	Both	Manual	SGW B
35	Bu_29.4831_74.7147	Budimeri_32605	Budhimari	Budhimari Public Health tube	29.483076	74.714734	TW	194.75	Unconfined to Semi Confined	0.7	100	0.254	Both	Manual	SGW B
36	W292335074370302	Kishan Pura / Dhani Jattan_32625	Sherawali Dhani -S	Sherawali Dhani -S- Pz	29.396621	74.618332	PZ	NA	Unconfined to Semi Confined	0.5	105	0.1	WL	Manual	CGW B
38	Jiw_29.537_74.741	Jagmalera (Santnagar)_32617	Jiwan nagar	Jiwan nagar	29.5375	74.741667	Dug Well	NA	Alluvium	NA	NA	NA	WQ	Manual	CGW B
39	W292520074364501	Kanshiram bash	Kanshiram bash	Kanshiram bash	29.422222	74.6125	Hand Pump	NA	Alluvium	NA	NA	NA	WQ	Manual	CGW B

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

State	Haryana	District	Sirsa	Block	Ellenabad
Month of Pre-monsoon Water Level Measurement					June
Month of Post-monsoon water Level measurement					October

S.No.	Observation Point	Source	Well Type	Co-ordinate		Water Level (m)																	
				Latitude	Longitude	2015		2016		2017		2018		2019		2020		2021		2022		2023	
						Pre	Post	Pre	Post	Pre	Post	Pre	Post	Pre	Post	Pre	Post	Pre	Post	Pre	Post	Pre	Post
1	Amritsar Khurd_265857	SGWB	Piezometer	29.5034	74.7054	33	35.3	34.7	42.8	38.2	41.6	41	NA	42.2	42.6	42.2	42.5	42.3	43	43	43.8	44	46
2	Damdama_32609	SGWB	Dug Well	29.5658	74.6773	43	43.2	45.6	46.7	46.1	47.2	47	47.7	48.6	49.1	48.8	NA	48.9	49	49	49	48	49.2
3	Dholpalia_32614	SGWB	Dug Well	29.4363	74.5714	8	8.3	8.15	7.95	8.5	8.8	8.5	10	9.5	9.97	9.6	NA	10	10	10	10.2	10.2	10.3
4	Ellanabad	SGWB	Piezometer	29.4486	74.6578	22	23.4	23.5	23.8	25.1	26	25	27	24.9	25.8	25.3	25.6	25.4	26	26	26	25.6	26
5	Himayukhera_32616	SGWB	Tube Well	29.4762	74.7678	32	34.1	34.1	35.4	35.4	37.1	36	35.4	37.9	38.6	38.1	38.5	38.4	39	39	39	38.9	39.2
6	Jagmalera (Santnagar)_32617	SGWB	Tube Well	29.5372	74.6791	41	43.5	43	44.8	45.3	46.1	NA	46.5	46.4	50.1	49.7	49.4	49.6	50	51	51	50.4	51
7	Damdama_32609	SGWB	Piezometer	29.5242	74.7371	42	43	43.9	46.1	45.2	47.5	NA	50	48.5	48.7	49.5	49.5	50.3	51	52	51.5	52.3	51.4
8	Karamsana_32619	SGWB	Dug Well	29.3445	74.6318	10	10.8	9.7	9.6	10.1	11	10	12	10.8	11.4	10.9	11	10.1	10	10	10	9.5	10.1
9	Kariwala_32620	SGWB	Tube Well	29.5635	74.6307	42	43.6	43.5	45.5	45.5	46.8	46	47.6	48.1	48.6	48.8	49	49	49	49	49	48.5	49
10	Kashiramka Bass	SGWB	Dug Well	29.4307	74.6107	11	11	10.8	10.8	11.3	12.1	11	12.9	9.78	10.3	9.74	9.84	9.6	9.7	9.2	9.6	9.7	9.6
11	Kesupura_32622	SGWB	Tube Well	29.4469	74.8597	30	33.1	33.5	34.9	35.1	36.5	36	36	37.9	37.9	38.1	38.4	38.9	39	39	39	38.8	39.1
12	Khari Sureran_32623	SGWB	Tube Well	29.3985	74.689	10	10.5	10.7	10.7	11.2	12.1	9.7	10.9	10.7	10.8	11	11	11	11	11	11	10.9	11.1

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13	Kotli_32626	SGW B	Tube Well	29.452 2	74.841	30	33.5	33.5	34. 9	34. 9	36. 6	36	35. 9	38	38. 9	38.1	38.7	38. 5	39	39	39	38. 9	39
14	Dhani Santa Singh_298065	SGW B	Tube Well	29.455 4	74.8193	29	32	32. 9	32. 9	32. 9	34. 2	34	33	35. 9	36.1	36	36	36	36	35	34. 5	34. 5	34. 5
15	Mamera Khurd_32631	SGW B	Tube Well	29.4621	74.7078	38	38	38	38. 9	38. 9	39.7	39	39	38. 4	38. 9	38.7	39	38. 9	39	38	37.6	37.2	37.6
16	Mehna Khera_32632	SGW B	Piezomet er	29.4171	74.809	10	18.3	18.3	19.4	19.4	20.1	20	20	22.1	22. 8	22. 3	NA	23	23	23	24	23. 4	24
17	Mirja Pur_32633	SGW B	Tube Well	29.5158	74.6839	29	30. 5	30. 5	31.8	31.8	32.3	42	42.1	43. 6	44. 6	42. 2	43.1	42. 8	43	44	45	44. 9	45.1
18	Mithisurera_326 35	SGW B	Tube Well	29.4107	74.7044	12	12.2	12.2	13.2	13.2	14.1	14	13.5	13.5	13.8	13.7	13.9	13.9	14	14	14.5	14.2	14.6
19	Mojukhera_3263 6	SGW B	Tube Well	29.469 4	74.7401	29	31.3	31.1	32. 5	33.1	34. 7	33	33. 4	35.5	36. 2	NA	37.3	35.7	37	35	35. 5	34. 9	35.3
20	Neemla_32639	SGW B	Dug Well	29.4156	74.5964	14	8.75	8.9	10	9.5	10.4	12	13.1	11.9	12.3	12.6	12.7	12.8	13	13	14	13.9	14
21	Patti Kirpal_32624	SGW B	Tube Well	29.485 2	74.7476	30	33.5	35.1	35. 9	35. 9	36. 8	37	36. 5	38. 5	39	39	39. 4	39. 6	40	39	38. 6	38. 2	38. 5
22	Poharkan_32641	SGW B	Tube Well	29.4187	74.7415	20	21.3	21.3	22. 5	22. 5	23. 4	23	13	25. 8	26.1	25. 9	26. 6	26.1	26	26	25	25. 3	25.1
23	Shekhukhera_32 643	SGW B	Tube Well	29.476 8	74.757	32	33.5	33.5	34. 9	34. 9	36. 5	35	35. 9	39. 4	39. 6	39.7	39. 2	39. 9	40	39	38. 8	38. 8	38. 8
24	Kishanpura/Dha ni Jattan_32625	SGW B	Tube Well	29.404 4	74.6247	12	13.7	13.7	15.2	15.2	17	16	NA	15.6	16	NA	16.1	15.9	16	15	14.9	14	14.9
25	Dhani Sheran_32612	SGW B	Piezomet er	29.495 2	74.6338	30	32	32	32. 8	32. 8	34.1	34	32. 8	33.5	34. 2	33.5	34. 5	33.9	34	33	32. 9	32. 5	32. 8
26	Dharampura_326 13	SGW B	Piezomet er	29.5139	74.6669	30	32	32	32. 8	32. 8	34.1	39	39. 6	41.8	42	39. 8	39. 8	39. 9	40	41	41.2	42	41.3
27	Umedpura_3264 6	SGW B	Piezomet er	29.4218	74.8348	18	18.3	18.3	19.4	19.4	20. 4	20	20	21.5	22. 2	21.6	23	21.9	22	21	21.5	20	21.4
28	Bhurantwala_32 606	CGW B	Piezomet er	29.423 6	74.7708	11	10.9	10.6	9.1	11.7	11.8	12	11.5	12.7	NA	11.6	11.8	NA	NA	14	14	NA	Aban doned
29	Karamsana_3261 9	CGW B	Dug Well	29.338 9	74.63	9.3	7.58	8.4 9	8.73	8.51	8.37	8.3	8.2 8	NA	7.79	7.51	7.55	8.4 4	4.6	10	7.67	7.4	8.3 5
30	Kash Ram Dhab	CGW B	Dug Well	29.423 6	74.6125	NA	7.1	9.2 7	8.5 9	6.91	10.7	12	9.8 5	11.2	4.0 2	NA	NA	7.0 5	9.7	7.6	10.8	10.1	8.9 2

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

State	Haryana				District	Sirsa				Block	Ellenabad									
Month of Collection of sample for WQ monitoring*											June									
Village	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	
Bhuratwala	CGWB	Tw	29.425	74.77083333	2015	Sample not collected from this location														
Bhuratwala	CGWB	Tw	29.425	74.77083333	2016	8.62	550	ND	177.0	25.0	28.0	75.0	6.2	18.0	159.0	100.0	49.0	BDL	16.00	
Bhuratwala	CGWB	Tw	29.425	74.77083333	2017	9.43	3390	ND	180.0	24.0	29.0	709.0	9.0	126.0	218.0	944.0	241.0	6.14	2.12	
Bhuratwala	CGWB	Tw	29.425	74.77083333	2018	8.41	5990	ND	390.0	40.0	71.0	1210.0	66.0	60.0	305.0	1621.0	681.0	3.20	2.25	
Bhuratwala	CGWB	Tw	29.425	74.77083333	2019	8.59	6017	ND	588.0	42.0	117.0	1140.0	14.0	88.0	400.0	1392.0	737.0	1.01	120.00	
Bhuratwala	CGWB	Tw	29.425	74.77083333	2020	9.02	686	ND	61.2	16.4	5.0	144.0	1.6	48.0	109.8	125.0	42.5	4.70	0.58	
Bhuratwala	CGWB	Tw	29.425	74.77083333	2021	8.71	933	ND	87.7	21.9	8.0	182.0	2.5	55.0	251.5	85.0	53.3	0.25	13.00	
Bhuratwala	CGWB	Tw	29.425	74.77083333	2022	8.22	420	ND	170.0	36.0	19.5	23.0	3.2	0.0	97.6	100.8	21.3	0.33	0.50	
Bhuratwala	CGWB	Tw	29.425	74.77083333	2023	8.4	1298	ND	250.0	44.0	34.0	180.0	8.0	48.0	232.0	134.0	149.0	0.04	24.00	
Jiwan nagar	CGWB	Dw	29.5375	74.74166667	2015	Sample not collected from this location														
Jiwan nagar	CGWB	Dw	29.5375	74.74166667	2016	8.58	1583	ND	427.0	25.0	88.0	228.0	14.0	72.0	622.0	130.0	119.0	0.08	6.80	
Jiwan nagar	CGWB	Dw	29.5375	74.74166667	2017	8.19	1200	ND	210.0	28.0	34.0	191.0	10.0	0.0	589.0	30.0	78.0	0.85	5.76	
Jiwan nagar	CGWB	Dw	29.5375	74.74166667	2018	8.72	1216	ND	180.0	12.0	36.0	181.0	60.0	24.0	134.0	331.0	85.0	0.75	20.00	
Jiwan nagar	CGWB	Dw	29.5375	74.74166667	2019	Sample not collected from this location														
Jiwan nagar	CGWB	Dw	29.5375	74.74166667	2020	9.01	1206	ND	204.2	12.3	42.2	208.0	8.0	108.0	292.9	105.0	85.1	0.01	0.68	
Jiwan nagar	CGWB	Dw	29.5375	74.74166667	2021	8.79	1300	ND	219.2	8.8	47.9	210.0	6.0	82.4	461.1	ND	93.3	0.57	10.00	
Jiwan nagar	CGWB	Dw	29.5375	74.74166667	2022	8.79	1080	ND	290.0	16.0	60.8	130.0	11.0	48.0	219.6	139.2	106.5	1.10	21.00	
Jiwan nagar	CGWB	Dw	29.5375	74.74166667	2023	8.21	1064	ND	250.0	28.0	44.0	125.0	9.0	0.0	390.0	48.0	99.0	0.16	10.00	
Kanshiram bash	CGWB	Hp	29.42222222	74.6125	2015	Sample not collected from this location														
Kanshiram bash	CGWB	Hp	29.42222222	74.6125	2016	8.43	564	ND	177.0	46.0	15.0	93.0	6.6	12.0	110.0	202.0	42.0	ND	4.90	
Kanshiram bash	CGWB	Hp	29.42222222	74.6125	2017	8.16	1285	ND	250.0	40.0	36.0	203.0	9.0	0.0	308.0	305.0	85.0	2.32	4.39	
Kanshiram bash	CGWB	Hp	29.42222222	74.6125	2018	8.4	1638	ND	70.0	24.0	5.0	329.0	48.0	24.0	159.0	402.0	177.0	1.75	8.72	
Kanshiram	CGWB	Hp	29.42222222	74.6125	2019	8.55	1647	ND	63.0	17.0	5.1	375.0	5.0	44.0	223.0	362.0	156.0	1.41	6.50	

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bash																				
Kanshiram bash	CGWB	Hp	29.42222222	74.6125	2020	8.56	2540	ND	183.7	32.7	24.8	504.0	7.0	36.0	158.7	774.0	177.3	2.25	8.00	
Kanshiram bash	CGWB	Hp	29.42222222	74.6125	2021	8.75	2310	ND	197.3	35.1	26.6	470.0	0.9	41.2	195.6	746.0	173.0	2.51	9.30	
Kanshiram bash	CGWB	Hp	29.42222222	74.6125	2022	8.83	760	ND	230.0	32.0	36.5	80.0	9.4	36.0	73.2	163.2	78.1	0.54	3.20	
Kanshiram bash	CGWB	Hp	29.42222222	74.6125	2023	8	413	ND	120.0	12.0	22.0	38.0	4.0	0.0	134.0	52.0	21.0	0.42	10.00	
Karmsana	CGWB	Tw	29.34027778	74.63	2015	Sample not collected from this location														
Karmsana	CGWB	Tw	29.34027778	74.63	2016	8.3	8663	ND	2475.0	362.0	382.0	1720.0	30.0	0.0	305.0	2732.0	2204.0	4.18	28.00	
Karmsana	CGWB	Tw	29.34027778	74.63	2017	8.43	870	ND	120.0	32.0	272.0	153.0	16.0	25.0	141.0	254.0	21.0	0.42	5.81	
Karmsana	CGWB	Tw	29.34027778	74.63	2018	8.02	5900	ND	1001.0	188.0	129.0	961.0	17.0	0.0	220.0	1515.0	858.0	3.75	23.00	
Karmsana	CGWB	Tw	29.34027778	74.63	2019	8.01	2177	ND	1019.0	217.0	116.0	44.0	34.0	0.0	89.0	730.0	156.0	0.71	76.00	
Karmsana	CGWB	Tw	29.34027778	74.63	2020	8.2	3870	ND	745.2	118.6	109.1	552.0	11.0	0.0	158.7	1355.0	212.7	3.91	119.00	
Karmsana	CGWB	Tw	29.34027778	74.63	2021	8.41	3898	ND	87.7	21.9	8.0	182.0	2.5	41.2	111.8	1084.0	466.5	3.12	111.00	
Karmsana	CGWB	Tw	29.34027778	74.63	2022	8.24	400	ND	180.0	40.0	19.5	14.0	3.4	0.0	109.8	72.0	28.4	0.34	1.50	
Karmsana	CGWB	Tw	29.34027778	74.63	2023	8.04	1069	ND	210.0	44.0	24.0	128.0	46.0	0.0	195.0	86.0	170.0	0.42	48.00	

Name of District	Name of Block	Source	Name of village/ OW data	Latitude	Longitude	Value of EC June 2020	Value of EC June-2021	Value of EC June-2022	Value of EC June-2023
Sirsa_74	Ellenabad_548	SGWB	Amritsar Kalan	29.5034	74.705351	1700	1900	1900	2000
Sirsa_74	Ellenabad_548	SGWB	Bhruntwala	29.41699	74.779473	5800	5800	3800	3500
Sirsa_74	Ellenabad_548	SGWB	Beharwala	29.45373	74.57624	5100	5200	4800	5000
Sirsa_74	Ellenabad_548	SGWB	ChilkaniDhab	29.39142	74.803129	2300	2300	2500	2500
Sirsa_74	Ellenabad_548	SGWB	Dholpalia	29.43633	74.571446	5800	6000	6300	5500
Sirsa_74	Ellenabad_548	SGWB	Ellanabad	29.44862	74.657813	2700	3000	3000	2000

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Sirsa_74	Ellenabad_548	SGWB	HumayuKhera	29.46519	74.75108	1800	2000	2100	2000
Sirsa_74	Ellenabad_548	SGWB	Jiwan Nagar	29.5242	74.737124	2200	2200	2100	1900
Sirsa_74	Ellenabad_548	SGWB	Jagmalera	29.54651	74.722596	2500	2600	2600	2900
Sirsa_74	Ellenabad_548	SGWB	Karamshana	29.34447	74.631755	7200	7000	5000	2900
Sirsa_74	Ellenabad_548	SGWB	Kesupura	29.44693	74.859655	2500	2800	2800	2000
Sirsa_74	Ellenabad_548	SGWB	Kariwala	29.56354	74.63071	2300	2500	2200	2600
Sirsa_74	Ellenabad_548	SGWB	Kashiramka Bass	29.4307	74.6107	2400	2400	2500	2600
Sirsa_74	Ellenabad_548	SGWB	KhariSurean	29.39854	74.688951	2600	2800	4500	3100
Sirsa_74	Ellenabad_548	SGWB	Kotli	29.45216	74.840956	2900	3000	3000	2100
Sirsa_74	Ellenabad_548	SGWB	MehanaKhera	29.41707	74.808966	4600	4600	6300	4600
Sirsa_74	Ellenabad_548	SGWB	MirjaPur	29.51579	74.683882	2200	2200	1800	2000
Sirsa_74	Ellenabad_548	SGWB	MithiSurean	29.41072	74.704446	2800	2800	2500	4000
Sirsa_74	Ellenabad_548	SGWB	MamerKalan	29.46213	74.707804	6700	6800	1700	3800
Sirsa_74	Ellenabad_548	SGWB	Nimla	29.41555	74.596384	6600	6600	6000	7000
Sirsa_74	Ellenabad_548	SGWB	Pohrka	29.41866	74.741496	2700	2800	2100	1950
Sirsa_74	Ellenabad_548	SGWB	Patti Kirpal	29.48524	74.747582	2100	2200	2000	1750
Sirsa_74	Ellenabad_548	SGWB	SheranWali	29.40439	74.6247	4900	5000	6800	6700
Sirsa_74	Ellenabad_548	SGWB	UmedPura	29.42176	74.834834	4500	4500	4600	3900

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Sirsa_74	Ellenabad_548	SGWB	TalwaraKhurd	29.49517	74.633831	2200	2200	1900	1900
Sirsa_74	Ellenabad_548	SGWB	Thobrian	29.51395	74.666882	2600	2700	2600	1900
Sirsa_74	Ellenabad_548	SGWB	Budhimari	29.48308	74.714734	1900	1900	1500	1500
Sirsa_74	Ellenabad_548	SGWB	JagjitNager	29.56084	74.69641	2500	2600	2500	3000
Sirsa_74	Ellenabad_548	SGWB	Damdama	29.56585	74.67734	2150	2400	2100	2900
Sirsa_74	Ellenabad_548	SGWB	SekuKhera	29.47683	74.75699	1800	1900	2000	1500
Sirsa_74	Ellenabad_548	SGWB	Kuta Bad	29.45542	74.819341	2200	2200	2500	3000
Sirsa_74	Ellenabad_548	SGWB	MojuKhera	29.46942	74.740068	3400	2800	1500	2500