

ATAL BHUJAL YOJANA (AtalJal)

State : HARYANA

**Department : IRRIGATION & WATER
RESOURCE DEPARTMENT**

BLOCK : SHAHBAD

DISTRICT : KURUKSHETRA

YEAR : 2023-2024

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

HYDROGEOLOGICAL REPORT

(YEAR: 2023-24)

STATE	:	HARYANA
DISTRICT	:	KURUKSHETRA
BLOCK/TALUK	:	SHAHBAD
BLOCK/TALUK HQs	:	SHAHBAD

A GENERAL INFORMATION			
1.	Geographical area (Ha)	:	27596.67
2.	No. of Gram Panchayats	:	73
3.	No. of towns	:	1
4.	No. of villages	:	86
5.	Population (2022)	:	Male
			Female
			Total
			66506
			61056
			127562
6.	Rainfall (mm) (2022)	:	Monsoon
			Non-monsoon
			Annual
			519.03
			272.46
			791.49
7.	River basin	:	Ghaggar river basin
8.	Major soil types	:	Loamy sand (Tropical arid brown)

B LAND USE			
1.	Forest area (Ha)	:	291.63
2.	Cultivable area (Ha)	:	22771
3.	Net sown area (Ha)	:	22771
4.	Gross cropped area (Ha)	:	41921

C CROPPING PATTERN (As in 2022-23)						
1.	Major crops grown	:	Kharif	Rabi		
			Summer	Perennial		
			Paddy	Wheat	Summer moong	Sugarcane
			Jowar	Barseem	Maize as green fodder	
				Sarson		
			Seasonal vegetables	Potato and others seasonal vegetables		

D IRRIGATION FACILITIES (As in 2022-23)					
1.	Net irrigated area (Ha)	:	22771		
2.	Gross irrigated area (Ha)	:	41921		
3.	Area under irrigation (Ha) (Source-wise)	:	DW	BW/TW	Tanks/Ponds
			Canals	Others	
			-	41921	-
			-	-	-

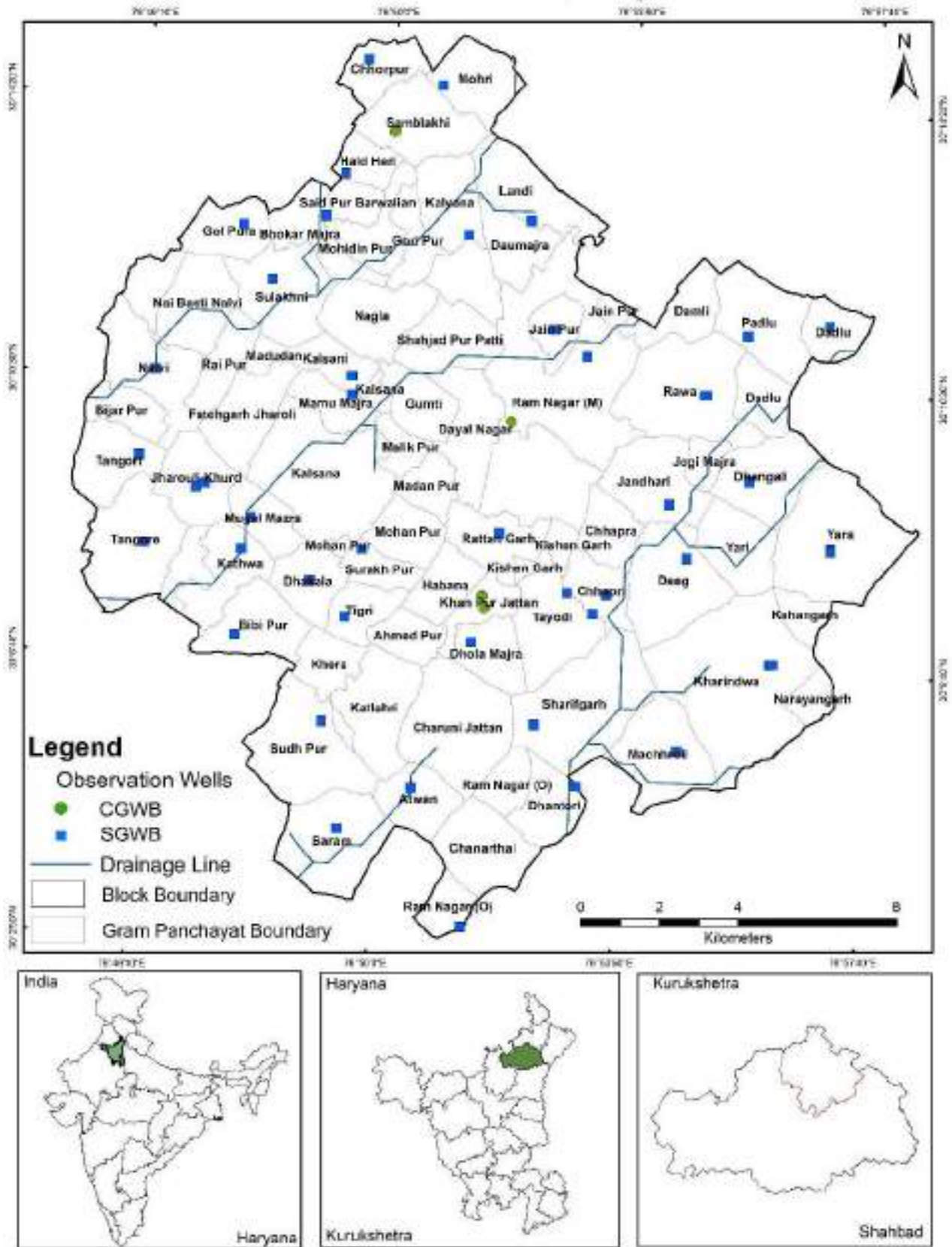
E GEOLOGY & HYDROGEOLOGY			
1.	Predominant rock type	:	Medium coarse-grained Sand, Sand with Kankar
2.	Major geological formations	:	Older and Newer Alluvium
3.	Important water-bearing formations	:	Sand
4.	Status of coverage under NAQUIM	:	Covered

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)	MGNREGA
		iv)	RKVY
	State Schemes	i)	State Plan Scheme (Head 2402)
		ii)	MPMV
		iii)	
		iv)	

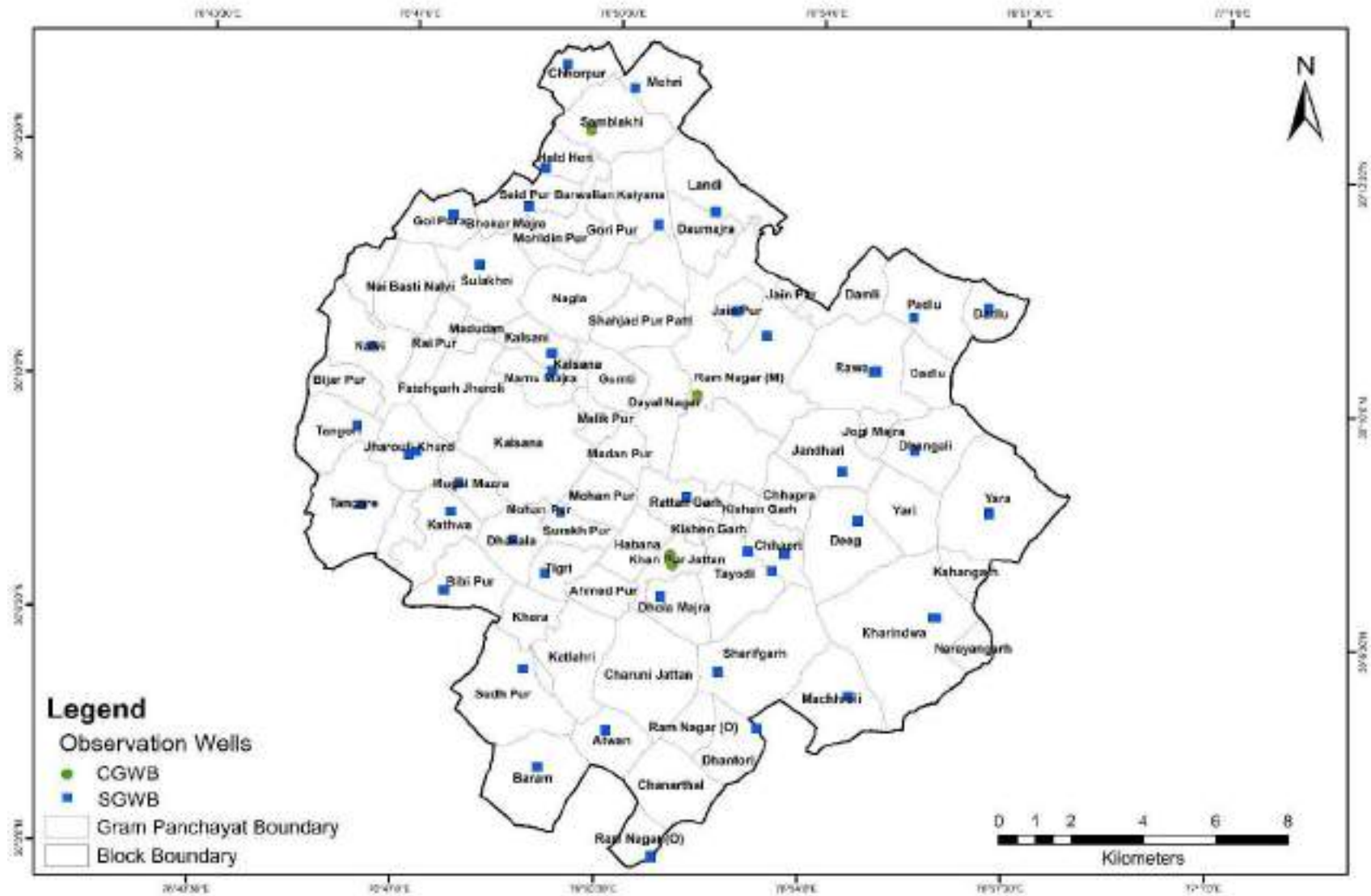
J GROUND WATER RELATED ISSUES			
1.	Ground water related issues of the block/		
	i) Issues related to GW availability	:	Due to over exploitation, groundwater is depletion at higher rate
	ii) Issues related to GW quality	:	Generally, it is suitable for drinking purposes as chemical parameters are well within the permissible limits for safe drinking water set by Bureau of Indian standard (BIS)
	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

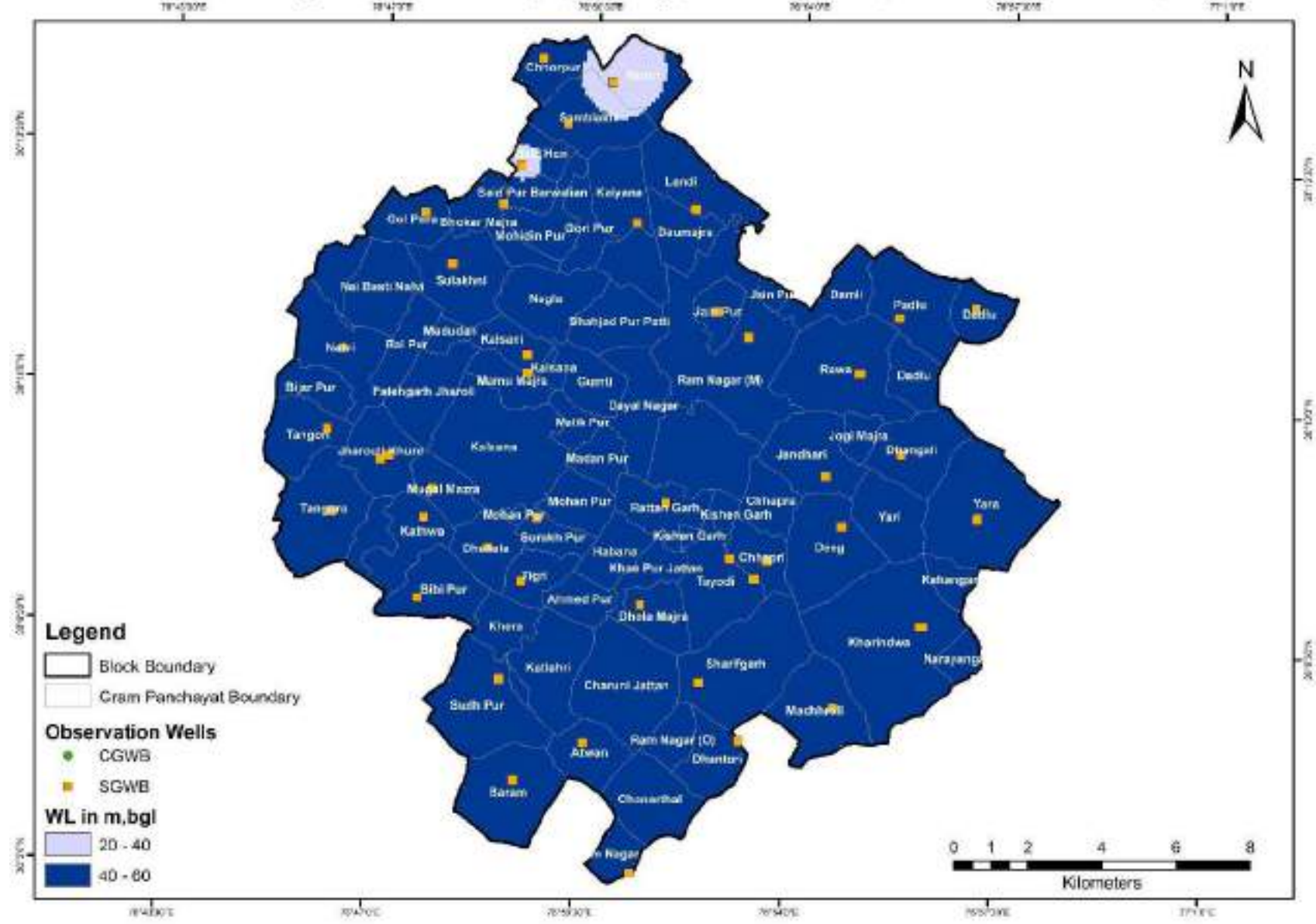
Location Map of Block- Shahbad, District- Kurukshetra, Haryana



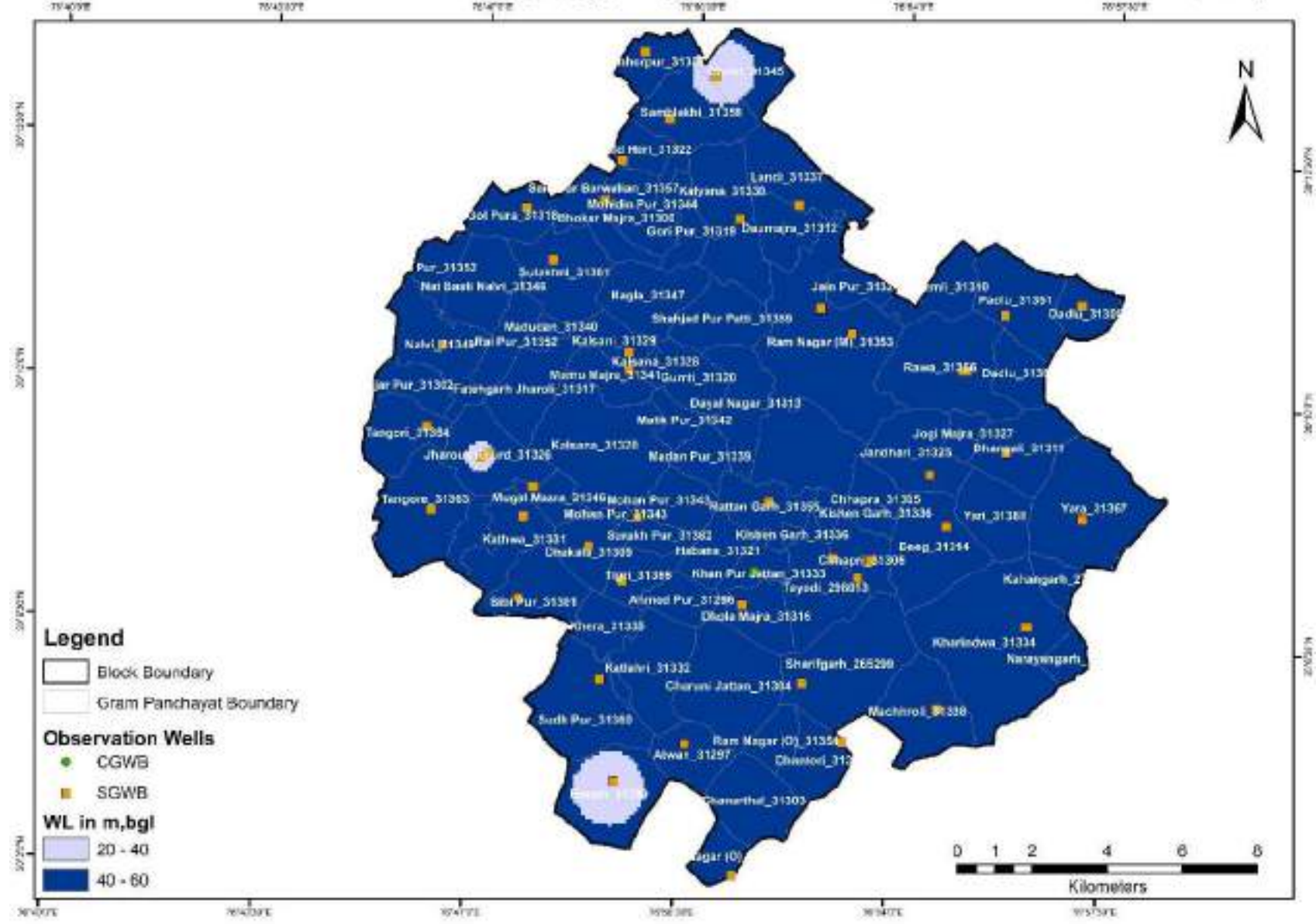
Location of Observation Wells for Monitoring Water Levels and Water Quality, Block-Shahbad, District- Kurukshetra, Haryana



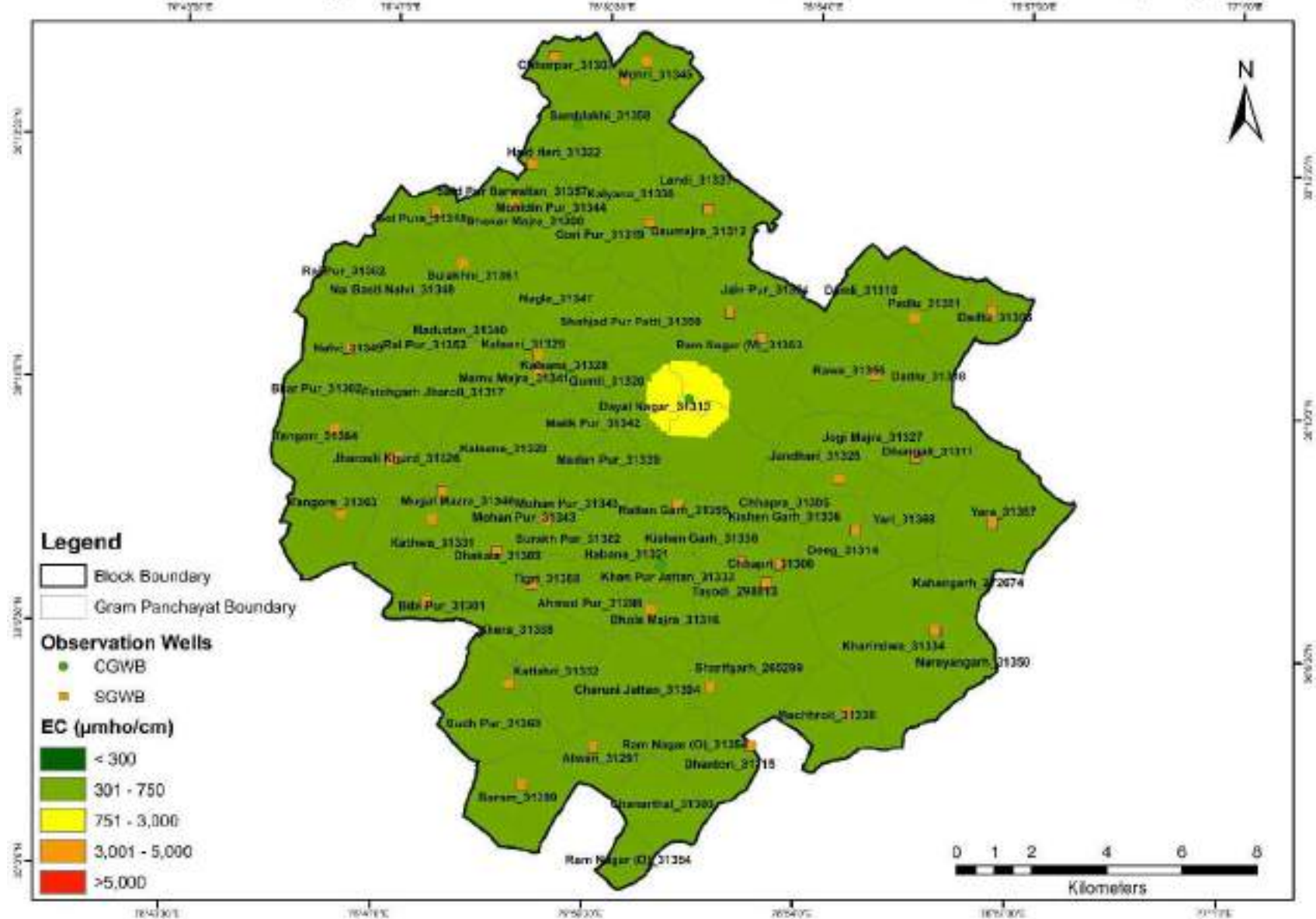
Pre Monsoon 2023 Depth to Water Level (m,bgl) Map, Block - Shahbad, District - Kurukshetra, Haryana



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



Electrical Conductivity of Groundwater-2023, Block - Shahbad, District - Kurukshetra, Haryana



ANNEXURE: I
BASIC DATA OF MONITORING WELLS

State	Haryana	District	Kurukshetra	Block	Shahabad
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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	Go_30.21_76.795	Gol Pura_31318	Gol Pura	In Govt. Middle School	30.21	76.7948	PZ	260.7	Unconfined and Confined	0.65	86	0.1	Both	Manual	SGWB
2	Ja_30.149_76.909	Jandhari_31325	Jandheri	In Govt. High School	30.149	76.9089	PZ	264.75	Unconfined and Confined	0.65	76	0.1	Both	Manual	SGWB
3	Jh_30.149_76.785	Jharouli Khurd_31326	Jharoli Khurd	In The Village	30.149	76.7846	TW	258.1	Unconfined and Confined	0.7	100	0.254	Both	Manual	SGWB
4	Ka_30.176_76.825	Kalsani_31329	Kalsani	In The Village	30.176	76.8245	TW	265.5	Unconfined and Confined	0.7	100	0.254	Both	Manual	SGWB
5	Kh_30.113_76.937	Kharindwa_31334	Kharindwa	In The Village	30.113	76.9367	TW	258.3	Unconfined and Confined	0.7	100	0.254	Both	Manual	SGWB
6	La_30.213_76.87	Landi_31337	Landi	In The Village	30.213	76.8701	TW	263.8	Unconfined and Confined	0.7	120	0.254	Both	Manual	SGWB
7	Mo_30.2427_76.8457	Mohri_31345	Mohri	Panchayati	30.243	76.8458	DW	267.1	Unconfined and Confined	1.25	66	2	Both	Manual	SGWB
8	Mo_30.242_76.845	Mohri_31345	Mohri	In Govt. Primary School	30.243	76.8458	PZ	267.1	Unconfined and Confined	0.65	51	0.1	Both	Manual	SGWB
9	Na_30.176_76.773	Nalvi_31349	Nalvi	In Govt. Sr.Sec. School	30.176	76.7729	PZ	257	Unconfined and Confined	0.65	76	0.1	Both	Manual	SGWB
10	Pa_30.188_76.928	Padlu_31351	Padlu	In Govt. High	30.188	76.9281	PZ	267.1	Unconfined and	0.65	96	0.1	Both	Manual	SGWB

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				School					Confined						
11	Ra_30.182_76.886	Ram Nagar (M)_31353	Ram Nagar	In IBDC Center	30.182	76.886	PZ	260.24	Unconfined and Confined	0.65	50	0.1	Both	Manual	SGW B
12	Ra_30.174_76.918	Rawa_31356	Rawa	In the Village	30.174	76.918	TW	274.1	Unconfined and Confined	0.7	110	0.254	Both	Manual	SGW B
13	Ta_30.136_76.771	Tangore_31363	Tangore	In Govt. High School	30.136	76.7714	PZ	257.35	Unconfined and Confined	0.65	76	0.1	Both	Manual	SGW B
14	Te_30.128_76.883	Tayodi_298013	Teora	In the Village	30.128	76.8829	TW	260.7	Unconfined and Confined	0.7	110	0.254	Both	Manual	SGW B
15	Ti_30.121_76.825	Tigri_31366	Tigri	In the Village	30.121	76.8249	TW	259.2	Unconfined and Confined	0.7	100	0.254	Both	Manual	SGW B
16	Ya_30.14_76.952	Yara_31367	Yara	In the Village	30.14	76.9517	TW	261.75	Unconfined and Confined	0.7	110	0.254	Both	Manual	SGW B
17	HR_GW_488	Atwan_31297	Atwan	Govt Middle school, Atwan	30.082	76.8437	PZ	260	Semi-Confined To Confined	0.5	89	0.1	Both	Telemetry	SGW B
18	HR_GW_489	Baram_31299	Baram	Panchayat Land Baram	30.073	76.8246	PZ	257	Unconfined To Semi-Confined	0.5	91	0.1	Both	Telemetry	SGW B
19	HR_GW_491	Bibi Pur_31301	Bibipur	Shamshan Ghat Bibipur	30.116	76.7962	PZ	261	Semi-Confined To Confined	0.5	94	0.1	Both	Telemetry	SGW B
20	HR_GW_490	Bhokar Majra_31300	Bokhar Majra	Govt. Crematorium, Bokhar Majra	30.212	76.8164	PZ	262	Semi-Confined To Confined	0.5	101	0.1	Both	Telemetry	SGW B
21	HR_GW_492	Chhapri_31306	Chapari	Govt Middle School, Chapari	30.128	76.8933	PZ	261	Semi-Confined To Confined	0.5	128	0.1	Both	Telemetry	SGW B
22	HR_GW_468	Chhorpur_31307	Chhorpur	Govt Primary School, Chhorpur	30.248	76.826	PZ	267	Semi-Confined To Confined	0.5	130	0.1	Both	Telemetry	SGW B

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23	HR_GW_469	Dadlu_31308	Dadlu	Veterinary Hospital, Dadlu	30.191	76.9495	PZ	270	Semi-Confined To Confined	0.5	121	0.1	Both	Telemetry	SGWB
24	HR_GW_494	Dhakala_31309	Dakala	Panchayati land	30.129	76.8153	PZ	264	Semi-Confined To Confined	0.5	125	0.1	Both	Telemetry	SGWB
25	HR_GW_471	Deeg_31314	Deeg	GSSS, Deeg	30.137	76.914	PZ	263	Unconfined To Semi-Confined	0.5	128	0.1	Both	Telemetry	SGWB
26	HR_GW_495	Dhangali_31311	Dhangali	Govt Middle School, Dhangali	30.155	76.9297	PZ	264	Semi-Confined To Confined	0.5	117	0.1	Both	Telemetry	SGWB
27	HR_GW_496	Dhantori_31315	Dhantori	Panchayati land, Dhantori	30.084	76.8871	PZ	260	Semi-Confined To Confined	0.5	111	0.1	Both	Telemetry	SGWB
28	HR_GW_497	Dhola Majra_31316	Dholla Majra	Govt Primary School, Dholla majra	30.116	76.8583	PZ	261	Semi-Confined To Confined	0.5	128	0.1	Both	Telemetry	SGWB
29	HR_GW_475	Hald Heri_31322	Haldheri	Govt. Crematorium, Haldheri	30.222	76.8209	PZ	262	Semi-Confined To Confined	0.5	71	0.1	Both	Telemetry	SGWB
30	HR_GW_485	Jharouli Khurd_31326	Jaroli Khurd	Govt Middle School, Jarouli khurd	30.15	76.7868	PZ	262	Semi-Confined To Confined	0.5	114	0.1	Both	Telemetry	SGWB
31	HR_GW_470	Kalyana_31330	Kalyana	Govt. Crematorium, Kalyana	30.209	76.8539	PZ	266	Semi-Confined To Confined	0.5	129	0.1	Both	Telemetry	SGWB
32	HR_GW_472	Kathwa_31331	Kathwa	Govt Middle School, Katwa	30.136	76.7971	PZ	262	Semi-Confined To Confined	0.5	131	0.1	Both	Telemetry	SGWB
33	HR_GW_486	Kharindwa_31334	Kharindwa	GSSS, Kharindwa	30.113	76.9374	PZ	263	Semi-Confined To Confined	0.5	120	0.1	Both	Telemetry	SGWB

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34	HR_GW_473	Machhroli_31338	Machraul i	Panchayat Land	30.093	76.9131	PZ	261	Semi- Confined To Confined	0.5	129	0.1	Both	Telemetr y	SGW B
35	HR_GW_474	Mamu Majra_31341	Mamu Majra	Govt Primary School, Mamu majra	30.171	76.8248	PZ	263	Semi- Confined To Confined	0.5	120	0.1	Both	Telemetr y	SGW B
36	HR_GW_499	Mugal Mazra_31346	Mugal Majra	Govt Primary School, Mugal Majra	30.143	76.7993	PZ	262	Semi- Confined To Confined	0.5	123	0.1	Both	Telemetr y	SGW B
37	HR_GW_476	Ram Nagar (M)_31353	Ram Nagar(M)	Panchayati land, Ram nagar(o)	30.188	76.8771	PZ	266	Semi- Confined To Confined	0.5	130	0.1	Both	Telemetr y	SGW B
38	HR_GW_500	Rattan Garh_31355	Rattan Garh	Govt Middle school Rattan Garh	30.141	76.8647	PZ	263	Semi- Confined To Confined	0.5	117	0.1	Both	Telemetr y	SGW B
39	HR_GW_478	Rawa_31356	Rawa	Govt Sr.Sec School, Rawa	30.174	76.9172	PZ	265	Semi- Confined To Confined	0.5	131	0.1	Both	Telemetr y	SGW B
40	HR_GW_477	Ram Nagar (O)_31354	Rawal Kheri	Shamshan Ghat Rawal Kheri	30.051	76.858	PZ	257	Unconfined To Semi- Confined	0.5	104	0.1	WL	Telemetr y	SGW B
41	HR_GW_501	Samblakhi_31358	Sambalk hi	Govt Sr Sec School Sambalkhi	30.232	76.8336	PZ	266	Semi- Confined To Confined	0.5	101	0.1	Both	Telemetr y	SGW B
42	HR_GW_479	Sharifgarh_265299	Sarifgarh	Gram Sachiwalay	30.098	76.8755	PZ	263	Semi- Confined To Confined	0.5	113	0.1	Both	Telemetr y	SGW B
43	HR_GW_480	Sudh Pur_31360	Sudhpur	Govt Middle school Sudhpur	30.097	76.8197	PZ	260	Unconfined To Semi- Confined	0.5	124	0.1	Both	Telemetr y	SGW B

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44	HR_GW_503	Sulakhni_31361	Sulkhani	Veterinary Hospital, Sulkhani	30.197	76.8027	PZ	259	Semi-Confined To Confined	0.5	125	0.1	Both	Telemetry	SGWB
45	HR_GW_481	Surakh Pur_31362	Surakhpur	Govt Middle school Surakhpur	30.136	76.8287	PZ	262	Unconfined To Semi-Confined	0.5	129	0.1	Both	Telemetry	SGWB
46	HR_GW_482	Tangori_31364	Tangori	Govt. Crematorium, Tangori	30.156	76.7694	PZ	260	Semi-Confined To Confined	0.5	127	0.1	Both	Telemetry	SGWB
47	HR_GW_483	Tayodi_298013	Teyodi	Shamshan Ghat	30.123	76.8899	PZ	262	Semi-Confined To Confined	0.5	109	0.1	Both	Telemetry	SGWB
48	HR_GW_484	Yara_31367	Yara	GSSS, School	30.139	76.9517	PZ	265	Semi-Confined To Confined	0.5	127	0.1	Both	Telemetry	SGWB
49	W300730076513901	Khan Pur Jattan_31333	Khanpur Jattan	Khanpur Jattan	30.127	76.8606	Tube Well	NA	Alluvium	NA	55	NA	Both	Manual	CGWB
50	W301406076494001	Samblakhi_31358	Samalkhi	Samalkhi	30.232	76.8333	Tube Well	NA	Alluvium	NA	NA	NA	WQ	Manual	CGWB
51	W301000076520001	Ram Nagar (M)_31353	Shahbad	Shahbad	30.167	76.8667	Tube Well	NA	Alluvium	NA	NA	NA	WQ	Manual	CGWB

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

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

S.No.	Observation Point	Source	Well Types	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	Gol Pura_31318	SGWB	PZ	30.2095	76.7948	42.7	43.7	44.7	46	46.6	47.2	48.4	50.2	50	52	49.6	51.3	49.5	51.4	50.95	52.10	51.2	50.5
2	Jandhari_31325	SGWB	PZ	30.1489	76.9089	42.7	42.9	43	44.6	44.3	45.2	45.9	46.4	47.4	49.3	47.3	47.2	45.5	45.9	45.58	45.75	46.1	46.6
3	Jharouli Khurd_31326	SGWB	TW	30.1493	76.7846	39.9	42	41.9	43.2	44	44.9	45.9	47.4	48	49.8	49.2	51	50.7	51.1	50.73	50.97	49.3	37.5
4	Kalsani_31329	SGWB	TW	30.1758	76.8245	42.5	44	44.1	46	46.2	46.9	47.9	49.5	50.8	51.8	51.4	51.8	51.8	51.9	52.16	52.38	50.5	52.1
5	Kharindwa_31334	SGWB	TW	30.1132	76.9367	40	40.9	41.2	41.5	42.9	43.6	44.5	46	46.9	48.6	48.2	48.4	48.4	48.3	48.18	48.50	46.8	45.1
6	Landi_31337	SGWB	TW	30.2126	76.8701	48.5	49	49.5	50.9	51.5	52.4	53.4	55.1	56.2	54.9	55.9	56	54.2	54.3	53.71	54.08	52.4	53.2
7	Mohri_31345	SGWB	DW	30.2428	76.8458	6.47	6.85	8.20	8.60	8.97	9.45	9.54	10.01	8.80	7.43	8.11	7.76	7.68	7.42	NA	NA	NA	32.4
8	Mohri_31345	SGWB	PZ	30.2428	76.8458	32.00	32.70	32.60	33.40	33.30	33.96	34.98	35.00	35.72	34.84	34.5	33.4	32.24	32.31	31.51	30.5	32.2	32.4
9	Nalvi_31349	SGWB	PZ	30.1760	76.7729	43.2	43.9	45.1	46.3	47.6	48.2	49.2	49.4	51.8	50	50.6	49.9	48.2	49.7	49.28	49.75	49.7	51.6
10	Padlu_31351	SGWB	PZ	30.1879	76.9281	42.6	44	42.7	43.5	44.1	44.7	45.7	47.6	48.1	50.1	48.7	48.9	47.4	48.5	47.92	49.08	48	48.8
11	Ram Nagar (M)_31353	SGWB	PZ	30.1821	76.8860	39.1	41.8	41	43	44.3	44.9	45.8	45.9	45.3	46.7	44.9	46	44.4	45.5	44.44	45.36	45.2	46.6
12	Rawa_31356	SGWB	TW	30.1741	76.9180	41.3	42.3	41.8	42.1	43.5	44	45	46.5	47.9	49.9	47.7	47.8	46.3	46.3	46.63	47.22	47.5	47.5
13	Tangore_31363	SGWB	PZ	30.1363	76.7714	39.8	41.1	41.8	42.8	43.2	43.9	44.9	45	45.3	44.5	44.2	45.3	43.9	45.5	44.99	45.89	46.1	47.8
14	Tayodi_298013	SGWB	TW	30.1281	76.8829	39.9	41.5	41.9	43	43.9	44.5	45.5	46.9	48.4	48.1	47.3	47.3	45.8	46.9	46.05	46.85	46.6	47.2
15	Tigri_31366	SGWB	TW	30.1208	76.8249	40.4	42.5	41.6	43.3	43.5	43.9	45.1	46.8	48.1	48.2	48	48	47.5	48.2	48.58	49.05	47.3	48.6
16	Yara_31367	SGWB	TW	30.1399	76.9517	40.6	41.3	41.4	41.9	42.8	43.6	44.6	46.1	47.4	49.4	47.9	48	46.4	47.1	47.18	47.35	45.6	47.8
17	Khan Pur Jattan_31333	CGWB	PZ	30.1198	76.8515	NA	NA	38.9	42	41.3	43	44.9	44.9	45.7	43.9	42.2	44.9	42.6	46	46.9	48.7	NA	46.4
18	Atwan_31297	SGWB	PZ	30.0823	76.8437	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	45.6	47.2

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

State	Haryana	District	Kurukshetra	Block	Shahbad
Month of Collection of samples 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	
Khanpur Jattan	CGWB	Tw	30.12666667	76.86055556	2015	Sample not collected from this location														
Khanpur Jattan	CGWB	Tw	30.12666667	76.86055556	2016	8.4	580	ND	153.1	32.7	17.4	79.0	5.8	12.0	317.3	8.0	27.8	0.48	0.48	
Khanpur Jattan	CGWB	Tw	30.12666667	76.86055556	2017	8.55	598	ND	123.0	29.0	13.0	91.0	5.5	47.0	251.0	8.0	21.0	0.51	0.51	
Khanpur Jattan	CGWB	Tw	30.12666667	76.86055556	2018	8.26	515	ND	190.0	36.0	24.0	49.3	0.7	6.0	110.0	85.0	57.0	0.54	0.54	
Khanpur Jattan	CGWB	Tw	30.12666667	76.86055556	2019	8.47	429	ND	40.0	8.0	5.0	85.2	1.0	24.0	171.0	15.0	21.0	0.16	0.20	
Khanpur Jattan	CGWB	Tw	30.12666667	76.86055556	2020	8.64	523	ND	90.1	12.0	14.6	77.0	4.0	36.0	183.1	0.0	28.4	3.80	0.08	
Khanpur Jattan	CGWB	Tw	30.12666667	76.86055556	2021	8.72	776	ND	230.1	13.2	47.9	82.0	8.4	48.0	158.7	102.0	53.3	0.34	24.00	
Khanpur Jattan	CGWB	Tw	30.12666667	76.86055556	2022	8.6	447	ND	118.0	14.0	20.2	54.0	2.8	36.0	176.0	0.0	21.0	0.37	10.00	
Khanpur Jattan	CGWB	Tw	30.12666667	76.86055556	2023	Sample not collected from this location														
Samalkhi	CGWB	Tw	30.232	76.8334	2015	8.66	760	ND	183.7	28.6	27.3	98.0	7.2	46.8	166.6	62.0	69.5	0.59	0.59	
Samalkhi	CGWB	Tw	30.232	76.8334	2016	8.35	630	ND	194.0	24.5	32.2	73.0	6.8	36.0	231.9	38.0	41.7	0.59	0.59	
Samalkhi	CGWB	Tw	30.232	76.8334	2017	8.12	705	ND	186.0	50.0	15.0	104.0	3.7	0.0	395.0	62.0	14.0	0.65	0.65	
Samalkhi	CGWB	Tw	30.232	76.8334	2018	8.16	703	ND	150.0	24.0	22.0	132.0	3.2	0.0	305.0	91.0	64.0	0.83	0.83	
Samalkhi	CGWB	Tw	30.232	76.8334	2019	8.53	550	ND	170.0	24.0	27.0	72.7	5.2	48.0	195.0	36.0	35.0	0.60	1.70	
Samalkhi	CGWB	Tw	30.232	76.8334	2020	Sample not collected from this location														
Samalkhi	CGWB	Tw	30.232	76.8334	2021	8.7	491	ND	65.8	17.6	5.3	91.0	3.2	48.0	158.7	21.0	20.0	0.34	0.10	

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Samalkhi	CGW B	Tw	30.232	76.8334	202 2	8.6	577	ND	78.0	16.0	9.2	95.0	2.8	46. 0	192.0	18.0	21.0	0.3 8	0.20
Samalkhi	CGW B	Tw	30.232	76.8334	202 3	7.91	750	ND	230.0	56.0	21.9	85.0	3.8	0.0	305.0	96.0	42.6	0.5 5	0.49
Shahbad	CGW B	Tw	30.1595	76.8648	2015	8.24	670	ND	163.3	40.9	14.9	86.0	4.3	0.0	309.4	24.0	48.6	0.51	0.51
Shahbad	CGW B	Tw	30.1595	76.8648	2016	8.5	450	ND	102.1	20.4	12.4	74.0	2.9	36.0	219.7	ND	13.9	0.37	0.37
Shahbad	CGW B	Tw	30.1595	76.8648	2017	8.15	637	ND	186.0	66.0	4.9	76.0	6.5	0.0	347.0	48.0	14.0	0.2 9	0.29
Shahbad	CGW B	Tw	30.1595	76.8648	2018	8.28	478	ND	90.0	20.0	10.0	93.0	ND	0.0	244.0	42.0	28.0	0.7 4	0.74
Shahbad	CGW B	Tw	30.1595	76.8648	2019	Sample not collected from this location													
Shahbad	CGW B	Tw	30.1595	76.8648	202 0	8.63	1112	ND	220.2	36.1	31.6	161.0	1.7	48. 0	207.5	308. 0	14.2	0.11	0.42
Shahbad	CGW B	Tw	30.1595	76.8648	2021	8.81	512	ND	186.3	13.2	37.3	48.0	5.5	60. 0	170.9	17.0	20.0	0.21	0.26
Shahbad	CGW B	Tw	30.1595	76.8648	202 2	8.15	795	ND	258.0	15.0	53.6	68.0	4.8	0.0	292.0	95.0	42.0	0.2 7	0.50
Shahbad	CGW B	Tw	30.1595	76.8648	202 3	7.94	1034	ND	400.0	100. 0	36.5	84.0	5.2	0.0	366.0	0.0	177.5	0.4 3	23.0 0
Atwan_31297	SGWB	Pz	30.082283	76.843713	2023	8.19	667	429.1	212.4	55.8	17.27	80	15	0	177.8	22.31	118.8	1.15	14.58
Baram_31299	SGWB	Pz	30.072512	76.824625	2023	7.45	462	305	217.1	67	12.1	34	12	0	154.7	24	40.4	0.4 5	16
Chhorpur_31307	SGWB	Pz	30.248039	76.825988	2023	8.2	508	300	206.16	55.6 2	16.3 4	26.6 8	8.3 9	0	159	23.6 5	52.4 7	0.33	19.75
Dadlu_31308	SGWB	Pz	30.190795	76.949475	2023	8.37	475	304	167.7	49.3	10.8	49.4	5.4	0	136.8	19.7	66.5	0.3 2	16.2
Deeg_31314	SGWB	Pz	30.136743	76.913969	2023	7.78	444	280	162.8	45.4	12	28	12	0	148.8	18	57	0.6 5	15
Dhangali_31311	SGWB	Pz	30.154775	76.929741	2023	8.38	511	321.9	177.6	53.2	10.8	52.4	5.7	0	148.7	20.9	71.2	0.75	17.1
Dhantori_31315	SGWB	Pz	30.083994	76.887064	2023	8.58	416	253.7	138.1	43.3	7.2	41.3	4.5	0	113.1	16.4	54.6	0.5 4	13.5
Kalyana_31330	SGWB	Pz	30.208826	76.853916	2023	8.06	432	294	150	40	12.3 4	45	25	0	140	12	80	0.2 3	5
Kathwa_31331	SGWB	Pz	30.13554	76.797079	2023	8.32	398	234.8	128.2	37.4	8.4	38.2	4.2	0	107.1	15.2	49.8	0.75	12.5
Kharindwa_31334	SGWB	Pz	30.113244	76.937443	2023	7.88	411	247	138.2	37.5	10.8	32	12	0	119	21	40.4	0.7 6	18
Bhokar Majra_31300	SGWB	Pz	30.21223	76.816361	2023	8.32	488	302.6	207.2	39.4	26.4	25	11	0	190.4	24	42.8	0.21	13

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Mamu Majra_31341	SGWB	Pz	30.17146	76.824821	2023	8.46	409	269.9	148.1	43.3	9.6	43.9	4.8	0	124.9	17.5	59.3	0.7	14.4
Bibi Pur_31301	SGWB	Pz	30.115923	76.796162	2023	7.67	450	293	187.5	57.2	10.9	27	10	0	142.8	26.9	54.6	0.67	18
Chhapri_31306	SGWB	Pz	30.127872	76.893337	2023	8.36	508	340.3	187.4	57.1	10.8	55.4	6	0	154.7	22.1	73.6	0.87	18.1
Dhakala_31309	SGWB	Pz	30.128824	76.815305	2023	8.02	472	274	185.55	51.5	13.83	24.36	7.67	0	143.1	21.61	47.22	0.34	18.06
Rattan Garh_31355	SGWB	Pz	30.141083	76.864673	2023	7.54	386	228	133.2	41.4	7.2	29	5	0	113.1	29	30.9	0.76	13
Dhola Majra_31316	SGWB	Pz	30.116074	76.858285	2023	8.21	451	257.1	138.1	41.4	8.4	41.8	4.5	0	119	16.6	57.1	0.53	13.7
Rawa_31356	SGWB	Pz	30.174096	76.917215	2023	8.57	409	265.8	143.1	41.4	9.6	43.2	4.7	0	119	17.2	57.1	0.45	14.1
Hald Heri_31322	SGWB	Pz	30.221949	76.820882	2023	7.91	385	266	140	40	10.97	40	20	0	130	12	70	0.45	5
Jharouli Khurd_31326	SGWB	Pz	30.150203	76.786778	2023	7.78	390	218	110	30	9.6	35	20	0	100	12	60	0.56	5
Machhroli_31338	SGWB	Pz	30.092734	76.913132	2023	8.23	468	271.4	148.1	41.4	10.8	44.1	4.8	0	124.9	17.6	59.3	0.23	14.4
Mugal Mazra_31346	SGWB	Pz	30.142713	76.799284	2023	8.59	414	256.6	138.1	39.4	9.6	41.7	4.5	0	113.1	16.6	57.1	0.23	13.7
Ram Nagar (M)_31353	SGWB	Pz	30.187962	76.877132	2023	8.34	427	273.2	138.1	31.5	14.4	27.6	8.7	0	124.9	22.4	76.1	0.23	19.6
Samblakhi_31358	SGWB	Pz	30.232174	76.833551	2023	8.44	496	292.6	197.4	41.4	22.8	21	10	0	184.5	18	47.5	0.45	16
Sharifgarh_265299	SGWB	Pz	30.09776	76.875489	2023	7.67	423	250	153	41.4	12	24	12	0	130.6	15	52.3	0.72	12
Tangori_31364	SGWB	Pz	30.156155	76.769355	2023	8.22	455	313.9	162.8	37.4	16.8	31.7	10.1	0	142.8	25.6	87.8	0.23	22.5
Sudh Pur_31360	SGWB	Pz	30.096904	76.819694	2023	7.87	342	216	133.2	41.4	7.2	26	6	0	107.1	22	33.3	0.45	12
Yara_31367	SGWB	Pz	30.139422	76.951721	2023	8.24	476	309.4	157.8	35.4	16.8	31.2	9.9	0	136.8	25.3	85.5	0.23	22.2
Sulakhni_31361	SGWB	Pz	30.197279	76.802733	2023	8.49	431	284.4	143.1	33.5	14.4	28.7	9.1	0	124.9	23.2	78.3	0.34	20.4
Surakh Pur_31362	SGWB	Pz	30.136365	76.828716	2023	7.45	357	204	118.4	35.5	7.2	25	3	0	107.1	28	26.1	0.56	12

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Tayodi_298013	SGWB	Pz	30.123406	76.889917	2023	7.91	491	304.4	197.4	43.4	21.6	22	12	0	196.4	24	45.1	0.2 3	14
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Name of District	Name of Block	Source	Name of village	Latitude	Longitude	Value of EC June 2020	Value of EC June-2021	Value of EC June-2022	Value of EC June-2023
Kurukshetra_68	Shahbad_520	SGWB	Jandheri	30.1489	76.9089	450	500	700	600
Kurukshetra_68	Shahbad_520	SGWB	JharoliKhurd	30.1493	76.7846	600	600	700	700
Kurukshetra_68	Shahbad_520	SGWB	Mohri	30.2428	76.8458	500	600	600	600
Kurukshetra_68	Shahbad_520	SGWB	Mohri	30.2475	76.8517	500	500	600	600
Kurukshetra_68	Shahbad_520	SGWB	Landi	30.2126	76.8701	450	700	700	600
Kurukshetra_68	Shahbad_520	SGWB	Kharindwa	30.1132	76.9367	600	600	500	700
Kurukshetra_68	Shahbad_520	SGWB	Nalvi	30.176	76.7729	500	700	800	700
Kurukshetra_68	Shahbad_520	SGWB	Ram Nagar	30.1821	76.886	550	500	600	600
Kurukshetra_68	Shahbad_520	SGWB	Padlu	30.1879	76.9281	350	400	500	600
Kurukshetra_68	Shahbad_520	SGWB	Tangore	30.1363	76.7714	450	400	400	600
Kurukshetra_68	Shahbad_520	SGWB	Teora	30.1281	76.8829	400	400	500	600
Kurukshetra_68	Shahbad_520	SGWB	Rawa	30.1741	76.918	450	600	600	600
Kurukshetra_68	Shahbad_520	SGWB	Tigri	30.1208	76.8249	600	500	500	500

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Kurukshetra_68	Shahbad_520	SGWB	Kalsani	30.1758	76.8245	500	600	700	500
Kurukshetra_68	Shahbad_520	SGWB	Yara	30.1399	76.9517	500	700	700	600
Kurukshetra_68	Shahbad_520	SGWB	GolPura	30.2095	76.7948	350	400	600	600
Kurukshetra_68	Shahbad_520	SGWB	Atwan_31297	30.08228	76.84371	NA	NA	NA	667
Kurukshetra_68	Shahbad_520	SGWB	Baram_31299	30.07251	76.82463	NA	NA	NA	462
Kurukshetra_68	Shahbad_520	SGWB	Chhorpur_31307	30.24804	76.82599	NA	NA	NA	508
Kurukshetra_68	Shahbad_520	SGWB	Dadlu_31308	30.1908	76.94948	NA	NA	NA	475
Kurukshetra_68	Shahbad_520	SGWB	Deeg_31314	30.13674	76.91397	NA	NA	NA	444
Kurukshetra_68	Shahbad_520	SGWB	Dhangali_31311	30.15478	76.92974	NA	NA	NA	511
Kurukshetra_68	Shahbad_520	SGWB	Dhantori_31315	30.08399	76.88706	NA	NA	NA	416
Kurukshetra_68	Shahbad_520	SGWB	Kalyana_31330	30.20883	76.85392	NA	NA	NA	432
Kurukshetra_68	Shahbad_520	SGWB	Kathwa_31331	30.13554	76.79708	NA	NA	NA	398
Kurukshetra_68	Shahbad_520	SGWB	Kharindwa_31334	30.11324	76.93744	NA	NA	NA	411
Kurukshetra_68	Shahbad_520	SGWB	Bhokar Majra_31300	30.21223	76.81636	NA	NA	NA	488
Kurukshetra_68	Shahbad_520	SGWB	Mamu Majra_31341	30.17146	76.82482	NA	NA	NA	409
Kurukshetra_68	Shahbad_520	SGWB	Bibi Pur_31301	30.11592	76.79616	NA	NA	NA	450
Kurukshetra_68	Shahbad_520	SGWB	Chhapri_31306	30.12787	76.89334	NA	NA	NA	508
Kurukshetra_68	Shahbad_520	SGWB	Dhakala_31309	30.12882	76.81531	NA	NA	NA	472
Kurukshetra_68	Shahbad_520	SGWB	Rattan Garh_31355	30.14108	76.86467	NA	NA	NA	386
Kurukshetra_68	Shahbad_520	SGWB	Dhola Majra_31316	30.11607	76.85829	NA	NA	NA	451
Kurukshetra_68	Shahbad_520	SGWB	Rawa_31356	30.1741	76.91722	NA	NA	NA	409
Kurukshetra_68	Shahbad_520	SGWB	Hald Heri_31322	30.22195	76.82088	NA	NA	NA	385
Kurukshetra_68	Shahbad_520	SGWB	Jharouli Khurd_31326	30.1502	76.78678	NA	NA	NA	390
Kurukshetra_68	Shahbad_520	SGWB	Machhroli_31338	30.09273	76.91313	NA	NA	NA	468
Kurukshetra_68	Shahbad_520	SGWB	Mugal Mazra_31346	30.14271	76.79928	NA	NA	NA	414
Kurukshetra_68	Shahbad_520	SGWB	Ram Nagar (M)_31353	30.18796	76.87713	NA	NA	NA	427

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Kurukshetra_68	Shahbad_520	SGWB	Samblakhi_31358	30.23217	76.83355	NA	NA	NA	496
Kurukshetra_68	Shahbad_520	SGWB	Sharifgarh_265299	30.09776	76.87549	NA	NA	NA	423
Kurukshetra_68	Shahbad_520	SGWB	Tangori_31364	30.15616	76.76936	NA	NA	NA	455
Kurukshetra_68	Shahbad_520	SGWB	Sudh Pur_31360	30.0969	76.81969	NA	NA	NA	342
Kurukshetra_68	Shahbad_520	SGWB	Yara_31367	30.13942	76.95172	NA	NA	NA	476
Kurukshetra_68	Shahbad_520	SGWB	Sulakhni_31361	30.19728	76.80273	NA	NA	NA	431
Kurukshetra_68	Shahbad_520	SGWB	Surakh Pur_31362	30.13637	76.82872	NA	NA	NA	357
Kurukshetra_68	Shahbad_520	SGWB	Tayodi_298013	30.12341	76.88992	NA	NA	NA	491