

Monitoring Results of Ground Water Samples under NWMP for the month of April, 2019

Sr. no.	Point of Collection	Date of collection/receipt in lab	Lab Sample No.	Sample Collected By RO	Depth in mts	Location Code	pH	Turb. NTU	Cond $\mu\text{s/cm}$	COD mg/l	TSS mg/l	TDS mg/l	TFS mg/l	T.H as CaCO_3 mg/l	Ca mg/l	Mg mg/l	F mg/l	NO_3 as N mg/l	Cl mg/l	SO_4 mg/l	TALK as CaCO_3 mg/l	Na mg/l	K mg/l	PO_4 mg/l	SAR	% Na	B mg/l	
1	Piezometer between Ash dyke & water reservoir, Nabha Power Limited, Village Nalash, Rajpura	8/4/19/ 8/4/19	GW5	Patiala	21	4143	7.31	BDL	891	BDL	BDL	524	456	333	79.2	32.8	0.37	0.9	64	50	228	86	6.8	BDL	2.05	35.37	0.51	
2	Piezometer of M/s Patiala Distillers Pvt. Ltd., Village Main	8/4/19/ 8/4/19	GW6	Patiala	46	4144	7.46	BDL	613	BDL	BDL	397	353	214	44	25.3	0.50	3.0	29	23	262	80	5.0	BDL	2.38	44.09	0.25	
3	Submersible installed in the premises of Baba Dramaya Ji Nath Mandir at village Rasouli (Sagar Para Drain meeting with river Ghaggar) Tehsil Patran	8/4/19/ 8/4/19	GW7	Patiala	55	4145	6.89	BDL	1064	BDL	BDL	631	530	441	105.6	43	0.36	0.9	76	46	368	96	9.3	BDL	1.99	31.55	0.16	
4	CETP Module-2 (Leather Complex) Entry Gate, Jalandhar,	8/4/19/ 9/4/19	GW12	Jalandhar	43	2923	7.62	BDL	305	BDL	BDL	213	193	149	28	19.2	0.33	0.6	7	9	170	27	3.6	BDL	0.96	27.65	BDL	
5	M/s Kalsi International, Plot no.144, Leather complex (Opp CETP), Jalandhar	8/4/19/ 9/4/19	GW13	Jalandhar	61	2922	7.43	BDL	1554	BDL	BDL	924	813	510	140.4	38.6	0.18	14.5	362	79	114	119	7.3	BDL	2.29	33.26	BDL	
6	From Piezometer at Village Hamira, Kapurthala	8/4/19/ 9/4/19	GW14	Jalandhar	30	2920	7.18	11	1517	BDL	24	899	746	510	161.2	26	0.23	10.0	151	52	300	93	102	BDL	1.79	23.99	0.08	
7	Near Lagoons of M/s J.I.L/ Railway Crossing vill. Hamira.	8/4/19/ 9/4/19	GW15	Jalandhar	30	2921	7.67	BDL	396	BDL	BDL	277	235	178	41.2	18.2	0.34	0.7	20	7	206	43	4.6	BDL	1.40	33.72	0.06	
8	Submersible at RSSB, Tibba Road, Ludhiana, Indl. Area	8/4/19/ 9/4/19	GW16	LudhianaIII	107	4134	7.37	BDL	509	BDL	BDL	325	269	236	48.8	27.7	0.29	0.5	9	11	250	53	7.1	BDL	1.50	31.98	0.10	
9	MSW Dumping Site, Jamalpur, Ludhiana	8/4/19/ 9/4/19	GW 17	LudhianaIII	91	4135	7.25	BDL	525	BDL	BDL	326	264	234	45.2	29.4	0.23	0.5	7	10	252	58	6.7	BDL	1.65	34.2	0.11	
10	STP, Jamalpur, Ludhiana	8/4/19/ 9/4/19	GW 18	LudhianaIII	107	4136	6.90	BDL	1376	BDL	BDL	832	723	544	178.6	24.8	0.16	6.9	175	38	304	103	10.6	BDL	1.91	28.49	0.18	
11	Haibowal, Dairy Complex, Near Jagga Di Diary, Ludhiana	8/4/19/ 9/4/19	GW 19	LudhianaIII	83	1900	7.02	BDL	785	BDL	BDL	474	403	336	78.8	35	0.25	5.6	61	16	268	65	8.3	BDL	1.53	28.67	0.09	
12	PAU Research fields, Ludhiana	8/4/19/ 9/4/19	GW 20	LudhianaIII	137	1903	7.25	BDL	469	BDL	BDL	292	260	237	47.2	28.9	0.32	5.1	9	26	206	25	5.9	BDL	0.71	18.19	0.05	
13	Dashmesh Nagar, Gali No. 12, Gurdhwara, Ludhiana	9/4/19	GW 21	LudhianaIII	76	4153	7.37	BDL	658	BDL	BDL	396	344	325	71.6	35.5	0.31	22.0	54	40	148	28	6.0	BDL	0.68	15.46	0.10	
14	Dairy Complex, Tajpur Road, Ludhiana	8/4/19/ 9/4/19	GW 22	LudhianaIII	76	4155	6.82	BDL	1688	BDL	BDL	1010	898	441	130.4	27.9	0.17	8.9	300	25	300	208	11.8	BDL	4.31	49.8	0.25	
15	TSSM Sr. Sec School Shimlapuri, Ludhiana	10/4/19/ 10/4/19	GW 23	LudhianaII	76	4154	7.35	BDL	852	BDL	BDL	514	447	365	90	34	0.14	32.3	48	15	236	66	7.1	BDL	1.50	27.73	0.11	
16	Submersible installed in area on Sua Road near Dhandari Kalan, Ludhiana	10/4/19/ 10/4/19	GW 24	LudhianaII	152	4156	6.95	BDL	1061	BDL	BDL	628	554	408	58.8	63.4	0.32	18.8	86	18	316	78	9.0	BDL	1.68	28.79	0.13	
17	Submersible installed in the area on Janta Nagar, Ludhiana	10/4/19/ 10/4/19	GW 25	LudhianaII	76	4157	7.68	BDL	700	BDL	BDL	421	366	329	73.6	35.2	0.41	18.0	46	35	168	39	6.5	BDL	0.94	20.09	BDL	
	Permissible limits	-	-	-	-	-	6.5-8.5	5	-	-	-	2000	-	-	200	100	1.5	10.2	1000	400	600	-	-	-	-	-	-	-

Note: 1) BOD, T.Coli, F.Coli, TKN, Amm.N, P.alk and PO_4 were BDL in all the samples

2) Pesticides i.e. Alpha HCH, Beta HCH, Gama HCH, Anilophos, Chloropyrifos, 4,4' DDT, Endosulphan-1, Endosulphan-2, Dieldrin, Aldrin & Malathian were BDL.

3) BDL means Below method Detection Limit.

Sr. no.	Point of Collection	Date of collection/receipt in lab	Lab Sample No.	Sample Collected By RO	Depth in mts	Location Code	pH	Turb. NTU	Cond μ s/cm	COD mg/l	TSS mg/l	TDS mg/l	TFS mg/l	T.H as CaCO ₃ mg/l	Ca mg/l	Mg mg/l	F mg/l	NO ₃ as N mg/l	Cl mg/l	SO ₄ mg/l	TAlk as CaCO ₃ mg/l	Na mg/l	K mg/l	PO ₄ mg/l	SAR	% Na	B mg/l	
18	Submersible installed near Dushera Ground, Industrial Estate, Ludhiana	10/4/19/ 10/4/19	GW 26	LudhianaII	137	1901	7.43	BDL	757	7	BDL	460	382	359	80.4	38.4	0.33	20.5	50	13	236	56	9.0	BDL	1.29	24.73	0.05	
19	House of Sh. Ashok Singh, VPO-Gumtala, Near Maha Luxmi Sweet Shop, Amritsar,	10/4/19/ 11/4/19	GW 27	Amritsar	76	2916	7.16	BDL	970	BDL	BDL	571	508	375	107.2	26	0.20	1.2	78	38	210	95	14.6	BDL	2.13	34.41	0.15	
20	Hotel Grace, 35, Brahmbutta Market opposite Hotel Sita Niwas, Amritsar,	10/4/19/ 11/4/19	GW 28	Amritsar	76	2917	7.18	BDL	1085	BDL	BDL	651	566	358	99.2	26.7	0.55	8.2	68	30	320	108	30.1	BDL	2.48	37.2	0.19	
21	Police Station, Phase-3, Focal Point, Ludhiana	10/4/19/ 11/4/19	GW 29	LudhianaI	76	1902	6.84	BDL	1295	BDL	BDL	766	659	615	200	27.9	0.17	14.2	72	56	250	73	9.6	BDL	1.28	20.2	0.42	
22	Bawa Oil Company (HP Petrol Pump), GT road, Sheerpur, Ludhiana	10/4/19/ 11/4/19	GW 30	LudhianaI	76	1898	7.42	BDL	1062	BDL	BDL	634	526	309	64.8	35.7	0.25	25.3	87	34	302	116	32.7	BDL	2.87	41.83	3.07	
23	HP Park adjoining M/s National Industries, E-128, Phase-IV, Focal Point, Ludhiana	10/4/19/ 11/4/19	GW 31	LudhianaI	76	4139	7.04	BDL	1208	BDL	BDL	714	635	455	148.4	20.4	0.16	30.5	73	50	258	79	8.6	BDL	1.61	26.93	2.98	
24	H.P. in Sahota Baghabni Farm, Village Harijan, Machhiwara	10/4/19/ 11/4/19	GW 32	LudhianaI	76	4140	6.98	BDL	2151	11	BDL	1308	1072	567	178.4	29.4	0.17	2.4	380	68	374	368	12.0	BDL	6.72	57.87	0.27	
25	Hand pump located at the resident of Sh. Dharampal S/o Atma Ram, Village Toansa, backside of M/s Ranbaxy, Distt. SBS Nagar.	12/4/19/ 12/4/19	GW 33	Hoshiarpur	12	2930	7.88	26	1841	BDL	23	1124	955	612	204.8	24.3	0.49	1.5	354	38	398	196	17.8	BDL	3.44	40.17	0.18	
26	Hand pump located at the resident of Sh. Mohan Lal S/o Relu Ram, Toansa, Balachaur Distt. SBS Nagar.	12/4/19/ 12/4/19	GW 34	Hoshiarpur	14	2431	7.29	11	1103	8	19	652	542	434	100.8	44.2	0.41	0.8	120	23	306	97	13.2	BDL	2.02	31.87	0.65	
27	Hand Pump (100' Deep) installed near, 149 Near Sant Pritam School, Ambey Majra Mandi Gobindgrah	15/4/19/ 15/4/19	GW 35	Fatehgarh Sahib	30	4138	7.45	BDL	562	BDL	BDL	337	306	229	47.2	27	0.56	2.6	9	12	248	49	7.3	BDL	1.41	30.88	0.14	
28	Hand Pump (100' Deep) installed, at M/s Deep Steel Ltd, Vill. Mugal Majra, Mandi Gobindgrah	15/4/19/ 15/4/19	GW 36	Fatehgarh Sahib	30	4137	7.38	BDL	564	BDL	BDL	335	308	231	42.8	30.1	0.57	2.3	8	16	250	50	7.3	BDL	1.43	31.15	0.13	
29	Hand Pump (80' Deep) installed near the ESI Hospital, Guru ki Nagri , Mandi Gobindgrah.	15/4/19/ 15/4/19	GW 37	Fatehgarh Sahib	24	2924	7.44	BDL	564	BDL	BDL	342	310	226	41.6	29.6	0.56	2.2	8	19	252	50	7.2	BDL	1.45	31.62	0.11	
30	Submersible Pump installed (150' deep) at M/s Agni Refractory, Vill Ajnali, G.T. Road, Mandi Gobindgrah	15/4/19/ 15/4/19	GW38	Fatehgarh Sahib	46	2925	7.52	BDL	563	BDL	BDL	340	308	216	43.2	26.2	0.57	2.6	7	13	242	50	7.2	BDL	1.48	32.57	0.11	
31	H.P in the premises of cremation ground of Vill. Ratoul Rohi near Malbros International (p) Ltd , Village Mansoorwal, Tehsil Zira, Distt Ferozpur along Talwandi-Zira Road Zira	15/4/19/ 16/4/19	GW39	Faridkot	21	4151	7.03	BDL	4620	BDL	BDL	2872	2498	890	288	41.3	1.12	16.8	654	448	400	928	23.2	BDL	13.53	68.69	1.08	
32	H.P in the premises of G.S. BKO near M/s S.R. Spiri Bahmniwala Road, Jalalabad (W), Distt. Fazilka	15/4/19/ 16/4/19	GW 40	Faridkot	27	4152	7.89	8	2570	BDL	13	1874	1680	152	33.6	16.5	1.68	9.0	164	237	910	757	11.1	0.3	26.71	90.83	0.90	
33	adjoining HP- Petrol Pump, at a distance of Approx. at 200 from M/s HMEL Refinery	16/4/19/ 16/4/19	GW 41	Bathinda	70	4148	7.65	11	1186	BDL	5	721	591	542	133.6	50.5	1.07	36.1	90	41	324	79	10.1	BDL	1.48	23.64	0.45	
	Permissible limits	-	-	-	-	-	6.5-8.5	5	-	-	-	2000	-	-	200	100	1.5	10.2	1000	400	600	-	-	-	-	-	-	-

Note: 1) BOD, T.Coli, F.Coli, TKN, Amm.N, P.alk and PO₄ were BDL in all the samples
2) Pesticides i.e. Alpha HCH, Beta HCH, Gama HCH, Anilophos, Chloropyrifos, 4,4' DDT, Endosulphan-1, Endosulphan-2, Dieldrin, Aldrin & Malathian were BDL.

3) BDL means Below method Detection Limit.

Sr. no.	Point of Collection	Date of collection/ receipt in lab	Lab Sample No.	Sample Collected By RO	Depth in mts	Location Code	pH	Turb. NTU	Cond μ s/cm	COD mg/l	TSS mg/l	TDS mg/l	TFS mg/l	T.H as CaCO ₃ mg/l	Ca mg/l	Mg mg/l	F mg/l	NO ₃ as N mg/l	Cl mg/l	SO ₄ mg/l	TAlk as CaCO ₃ mg/l	Na mg/l	K mg/l	PO ₄ mg/l	SAR	% Na	B mg/l	
34	Gurukul College near Ash Dykes of Guru Nanak Dev Thermal Power Plant, Bathinda.	16/4/19/ 16/4/19	GW 42	Bathinda	100	4147	7.71	BDL	1156	8	BDL	726	602	244	29.6	41.3	1.32	9.8	75	64	416	198	10.4	BDL	5.51	62.59	0.96	
35	Petrol pump near M/s Guru Hargobind thermal plant, Lehra Mohabbat, Distt. Bathinda .	16/4/19/ 16/4/19	GW 43	Bathinda	-	4149	7.68	BDL	2772	BDL	BDL	1963	1668	76	13.6	10.2	7.98	8.6	232	526	650	640	5.6	BDL	31.93	94.36	1.49	
36	Tubewell installed along with a link road meeting Muktsar-Malout road from village Rahurianwali Distt. Sri Muktsar Sahib in the house of Sh. Harcharan Singh S/o Sh. Rajinder Singh.	16/4/19/ 16/4/19	GW 44	Bathinda	15	4150	7.05	BDL	1836	BDL	BDL	1304	1121	502	60.8	85	0.38	3.9	328	274	308	220	11	BDL	4.27	48.11	0.73	
37	Hand Pump near Municipal Solid Waste Dumping site, Village Derival Pathankot	16/4/19/ 17/4/19	GW 45	Batala	-	4142	7.23	BDL	742	BDL	BDL	443	394	370	94	32.8	0.09	1.4	50	30	262	30	3.3	BDL	0.68	22.79	0.09	
38	Tubewell at PSPCL 66 KVA Sub-Station (300ft approx.) Industrial Growth Centre, Pathankot	16/4/19/ 17/4/19	GW 46	Batala	91	4141	6.40	BDL	338	BDL	BDL	223	184	166	34	19.7	0.16	4.9	32	22	126	23	2.6	BDL	0.78	14.84	0.12	
39	Hand pump installed in the residence of Sh. Daler Chand- S/o Bakshi Ram,, 29, Near Ash dyke in Village Bela Dhiani.	20/4/19/ 21/4/19	GW47	SAS Nagar		2926	7.2	BDL	894	7	BDL	533	463	438	110	39.6	1.01	17.6	45	86	218	33	43.4	BDL	0.69	12.69	0.17	
40	Hand pump installed in the residence of Sh. DevRaj S/o Sh. Pritam Chand Dyke in Village Bela Dhiani	20/4/19/ 21/4/19	GW 48	SAS Nagar		2927	7.3	BDL	968	BDL	BDL	583	504	410	100.8	38.4	0.91	18.6	66	94	244	48	46.3	BDL	1.03	18.19	0.16	
41	Hand pump of the Thermal Plant at Village Ranjeetpura	20/4/19/ 21/4/19	GW 49	SAS Nagar		2929	7.3	BDL	388	BDL	BDL	269	236	213	48.8	22.1	1.65	0.6	8	39	184	4	4.2	BDL	0.12	3.83	0.21	
42	Hand pump of the Thermal Plant at Village Chakdhera.	20/4/19/ 21/4/19	GW 50	SAS Nagar		2928	7.1	BDL	745	BDL	BDL	516	448	330	94.4	22.8	0.45	1.8	21	69	342	53	15.6	BDL	1.27	24.78	0.27	
43	Hand pump installed at Railway crossing, Lalru, Teh. Dera Bassi SAS Nagar	20/4/19/ 21/4/19	GW 51	SAS Nagar		2919	7.2	6	2391	BDL	7	1431	1187	518	175.6	19.2	0.80	26.6	331	55	594	396	4.2	BDL	7.57	62.19	0.24	
44	Hand pump near Peer Baba Samadh, Bhankarpur, Tehsil Dera Bassi, Distt. SAS Nagar.	20/4/19/ 21/4/19	GW 52	SAS Nagar		2918	7.2	6	2632	BDL	5	1585	1298	401	136	14.8	0.89	25.3	344	74	610	468	2.0	BDL	10.16	71.61	0.37	
	Permissible limits	-	-	-		-	6.5- 8.5	5	-	-	-	2000	-	-	200	100	1.5	10.2	1000	400	600	-	-		-	-	-	-

Note: 1) BOD, T.Coli, F.Coli, TKN, Amm.N, P.alk and PO₄ were BDL in all the samples

2) Pesticides i.e. Alpha HCH, Beta HCH, Gama HCH, Anilophos, Chloropyrifos, 4,4' DDT, Endosulphan-1, Endosulphan-2, Dieldrin, Aldrin & Malathian were BDL.

3) BDL means Below method Detection Limit.

Monitoring Results of Ground Water Samples under NWMP for month of April, 2019

Sr. no.	Point of Collection	Date of collection/ receipt in lab	Lab Sample No.	Sample Collected By RO	Depth in mts	Location Code	Fe mg/l	Zn mg/l	Cu mg/l	Ni mg/l	T. Cr mg/l	Pb mg/l	Cd mg/l	As mg/l	Hg mg/l
1	Piezometer between Ash dyke & water reservoir, Nabha Power Limited, Village Nalash, Rajpura	8/4/19/ 8/4/19	GW5	Patiala	21	4143	BDL	BDL	BDL	BDL	BDL	0.008	BDL	BDL	BDL
2	Piezometer of M/s Patiala Distillers Pvt. Ltd., Village Main	8/4/19/ 8/4/19	GW6	Patiala	46	4144	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
3	Submersible installed in the premises of Baba Dramaya Ji Nath Mandir at village Rasouli (Sagar Para Drain meeting with river Ghaggar) Tehsil Patran	8/4/19/ 8/4/19	GW7	Patiala	55	4145	0.47	BDL	BDL	BDL	BDL	BDL	0.001	BDL	BDL
4	CETP Module-2 (Leather Complex) Entry Gate, Jalandhar,	8/4/19/ 9/4/19	GW12	Jalandhar	43	2923	BDL	0.15	BDL	BDL	BDL	BDL	BDL	BDL	BDL
5	M/s Kalsi International, Plot no.144, Leather complex (Opp CETP), Jalandhar	8/4/19/ 9/4/19	GW13	Jalandhar	61	2922	BDL	1.13	0.007	BDL	BDL	BDL	BDL	BDL	BDL
6	From Piezometer at Village Hamira, Kapurthala	8/4/19/ 9/4/19	GW14	Jalandhar	30	2920	0.17	0.81	0.008	BDL	BDL	BDL	0.0006	BDL	BDL
7	Near Lagoons of M/s J.I.L/ Railway Crossing vill. Hamira.	8/4/19/ 9/4/19	GW15	Jalandhar	30	2921	0.49	0.63	BDL	BDL	BDL	0.0006	0.0006	BDL	BDL
8	Submersible at RSSB, Tibba Road, Ludhiana, Indl. Area	8/4/19/ 9/4/19	GW16	LudhianaIII	107	4134	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
9	MSW Dumping Site, Jamalpur, Ludhiana	8/4/19/ 9/4/19	GW 17	LudhianaIII	91	4135	BDL	BDL	BDL	BDL	BDL	BDL	0.002	BDL	BDL
10	STP, Jamalpur, Ludhiana	8/4/19/ 9/4/19	GW 18	LudhianaIII	107	4136	BDL	BDL	BDL	BDL	BDL	BDL	0.0006	BDL	BDL
11	Haibowal, Dairy Complex, Near Jagga Di Diary, Ludhiana	8/4/19/ 9/4/19	GW 19	LudhianaIII	83	1900	BDL	BDL	0.006	BDL	BDL	BDL	0.002	BDL	BDL
12	PAU Research fields, Ludhiana	8/4/19/ 9/4/19	GW 20	LudhianaIII	137	1903	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
13	Dashmesh Nagar, Gali No. 12, Gurdhwara, Ludhiana	8/4/19/ 9/4/19	GW 21	LudhianaIII	76	4153	0.27	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
14	Dairy Complex, Tajpur Road, Ludhiana	8/4/19/ 9/4/19	GW 22	LudhianaIII	76	4155	BDL	BDL	BDL	BDL	BDL	BDL	0.001	BDL	BDL
15	TSSM Sr. Sec School Shimlapuri, Ludhiana	10/4/19/ 10/4/19	GW 23	LudhianaII	76	4154	0.20	0.23	BDL	BDL	BDL	BDL	0.0006	BDL	BDL
16	Submersible installed in area on Sua Road near Dhandari Kalan, Ludhiana	10/4/19/ 10/4/19	GW 24	LudhianaII	152	4156	0.28	BDL	BDL	BDL	BDL	BDL	0.001	BDL	BDL
17	Submersible installed in the area on Janta Nagar, Ludhiana	10/4/19/ 10/4/19	GW 25	LudhianaII	76	4157	BDL	BDL	BDL	BDL	BDL	BDL	0.0007	BDL	BDL
18	Submersible installed near Dushera Ground, Industrial Estate, Ludhiana	10/4/19/ 10/4/19	GW 26	LudhianaII	137	1901	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
19	House of Sh. Ashok Singh, VPO- Gumtala, Near Maha Luxmi Sweet Shop, Amritsar,	10/4/19/ 11/4/19	GW 27	Amritsar	76	2916	0.53	BDL	BDL	BDL	BDL	BDL	0.001	BDL	BDL
20	Hotel Grace, 35, Brahmbutta Market opposite Hotel Sita Niwas, Amritsar,	10/4/19/ 11/4/19	GW 28	Amritsar	76	2917	0.23	BDL	BDL	BDL	BDL	BDL	0.002	BDL	BDL
21	Police Station, Phase-3, Focal Point, Ludhiana	10/4/19/ 11/4/19	GW 29	LudhianaI	76	1902	BDL	BDL	BDL	BDL	BDL	BDL	0.001	BDL	BDL
22	Bawa Oil Company (HP Petrol Pump), GT road, Sherpur, Ludhiana	10/4/19/ 11/4/19	GW 30	LudhianaI	76	1898	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
		-	-	-	-	-	0.3	15	1.5	0.02	0.05	0.01	0.003	0.01	0.001

Note: BDL means Below Method Detection Limit

Sr. no.	Point of Collection	Date of collection/ receipt in lab	Lab Sample No.	Sample Collected By RO	Depth in mts	Location Code	Fe mg/l	Zn mg/l	Cu mg/l	Ni mg/l	T. Cr mg/l	Pb mg/l	Cd mg/l	As mg/l	Hg mg/l
23	HP Park adjoining M/s National Industries, E-128, Phase-IV, Focal Point, Ludhiana	10/4/19/ 11/4/19	GW 31	LudhianaI	76	4139	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
24	H.P. in Sahota Baghabni Farm, Village Harian, Machhiwara	10/4/19/ 11/4/19	GW 32	LudhianaI	76	4140	0.11	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
25	Hand pump located at the resident of Sh. Dharampal S/o Atma Ram, Village Toansa, backside of M/s Ranbaxy, Distt. SBS Nagar.	12/4/19/ 12/4/19	GW 33	Hoshiarpur	12	2930	BDL	0.32	0.011	BDL	0.012	BDL	BDL	BDL	BDL
26	Hand pump located at the resident of Sh. Mohan Lal S/o Relu Ram, Toansa, Balachaur Distt. SBS Nagar.	12/4/19/ 12/4/19	GW 34	Hoshiarpur	14	2431	BDL	BDL	0.014	0.007	0.006	BDL	0.001	BDL	BDL
27	Hand Pump (100' Deep) installed near, 149 Near Sant Pritam School, Ambey Majra Mandi Gobindgrah	15/4/19/ 15/4/19	GW 35	Fatehgarh Sahib	30	4138	BDL	BDL	BDL	BDL	BDL	BDL	0.002	BDL	BDL
28	Hand Pump (100' Deep) installed, at M/s Deep Steel Ltd, Vill. Mugal Majra, Mandi Gobindgrah	15/4/19/ 15/4/19	GW 36	Fatehgarh Sahib	30	4137	BDL	BDL	0.006	0.006	0.007	BDL	BDL	BDL	BDL
29	Hand Pump (80' Deep) installed near the ESI Hospital, Guru ki Nagri , Mandi Gobindgrah.	15/4/19/ 15/4/19	GW 37	Fatehgarh Sahib	24	2924	BDL	BDL	0.006	0.006	0.006	BDL	BDL	BDL	BDL
30	Submersible Pump installed (150' deep) at M/s Agni Refractory, Vill Ajnali, G.T. Road, Mandi Gobindgrah	15/4/19/ 15/4/19	GW38	Fatehgarh Sahib	46	2925	BDL	BDL	0.006	0.010	0.006	BDL	BDL	BDL	BDL
31	H.P in the premises of cremation ground of Vill. Ratoul Rohi near Malbros International (p) Ltd , Village Mansoorwal, Tehsil Zira, Distt Ferozpur along Talwandi- Zira Road Zira	15/4/19/ 16/4/19	GW39	Faridkot	21	4151	BDL	BDL	BDL	BDL	BDL	BDL	0.002	BDL	BDL
32	H.P in the premises of G.S. BKO near M/s S.R. Spirit Bahmniwala Road, Jalalabad (W), Distt. Fazilka	15/4/19/ 16/4/19	GW 40	Faridkot	27	4152	BDL	BDL	BDL	0.009	BDL	BDL	BDL	BDL	BDL
33	adjoining HP- Petrol Pump, at a distance of Approx. at 200 from M/s HMEL Refinery	16/4/19/ 16/4/19	GW 41	Bathinda	70	4148	0.11	0.76	0.010	0.008	BDL	BDL	BDL	BDL	BDL
34	Gurukul College near Ash Dykes of Guru Nanak Dev Thermal Power Plant, Bathinda.	16/4/19/ 16/4/19	GW 42	Bathinda	100	4147	BDL	BDL	BDL	BDL	0.007	BDL	BDL	BDL	BDL
35	Petrol pump near M/s Guru Hargobind thermI plant, Lehra Mohabbat, Distt. Bathinda .	16/4/19/ 16/4/19	GW 43	Bathinda	-	4149	0.11	0.19	BDL	BDL	0.013	BDL	BDL	BDL	BDL
36	Tubewell installed along with a link road meeting Muktsar-Malout road from village Rahurianwali Distt. Sri Muktsar Sahib in the house of Sh. Harcharan Singh S/o Sh. Rajinder Singh.	16/4/19/ 16/4/19	GW 44	Bathinda	15	4150	BDL	BDL	BDL	BDL	0.006	BDL	BDL	BDL	BDL
37	Hand Pump near Municipal Solid Waste Dumping site, Village Deriwal Pathankot	16/4/19/ 17/4/19	GW 45	Batala	-	4142	BDL	BDL	0.007	BDL	BDL	BDL	BDL	BDL	BDL
38	Tubewell at PSPCL 66 KVA Sub-Station (300ft approx.) Industrial Growth Centre, Pathankot	16/4/19/ 17/4/19	GW 46	Batala	91	4141	0.11	1.19	BDL	BDL	BDL	BDL	0.007	BDL	BDL
39	Hand pump installed in the residence of Sh. Daler Chand- S/o Bakshi Ram,, 29, Near Ash dyke in Village Bela Dhiani.	20/4/19/ 21/4/19	GW47	SAS Nagar		2926	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
40	Hand pump installed in the residence of Sh. DevRaj S/o Sh. Pritam Chand Dyke in Village Bela Dhiani	20/4/19/ 21/4/19	GW 48	SAS Nagar		2927	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
41	Hand pump of the Thermal Plant at Village Ranjeetpura	20/4/19/ 21/4/19	GW 49	SAS Nagar		2929	0.24	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
42	Hand pump of the Thermal Plant at Village Chakdhera.	20/4/19/ 21/4/19	GW 50	SAS Nagar		2928	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
43	Hand pump installed at Railway crossing, Lalru, Teh. Dera Bassi SAS Nagar	20/4/19/ 21/4/19	GW 51	SAS Nagar		2919	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
44	Hand pump near Peer Baba Samadh, Bhankarpur, Tehsil Dera Bassi, Distt. SAS Nagar.	20/4/19/ 21/4/19	GW 52	SAS Nagar		2918	0.12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	Permissible limits	-					0.3	15	1.5	0.02	0.05	0.01	0.003	0.01	0.001

Note: BDL means Below Method Detection Limit

List of Ground Water Monitoring Locations under NWMP

Sr. no.	Point of Collection	Loc. Code
1	Bawa Oil Company (H.P Petrol Pump), G.T Road, Sherpur, Ludhiana	1898
2	Bhagwan Singh, Dashmesh Nagar, Ludhiana	1899
3	Haibowal, Dairy Complex, Near Jagga de dairy, Ludhiana	1900
4	Submersible installed near Dusshera Ground, Industrial Estate, Ludhiana	1901
5	Police Station, Focal Point Ph-3, Ludhiana,	1902
6	PAU Research Fields, Ludhiana	1903
7	House of Sh. Ashok Singh, VPO- Gumtala, Near Maha Luxmi Sweet Shop, Amritsar,	2916
8	House of Sh. Mangal Singh, 897/628/T-2/281, Near Hotel Sita Niwas, Amritsar,	2917
9	Hand pump installed at the vacant plot of Sh. Prem Singh, Near Dashmesh Dental Clinic, Bhankarpur, Tehsil Dera Bassi, Distt. SAS Nagar. (Residence of S. Mehar Singh S/o Atma Singh Near Radha krishan Mandir.)	2918
10	Hand pump installed at Railway crossing Near Lala Wala Peer, Lalru Teh. Dera Bassi	2919
11	From Hand pump at Village Hamira, Kapurthala	2920
12	Near Lagoons of M/s J.I.L/ Railway Crossing, vill. Hamira,.	2921
13	M/s Kalsi International, Plot no.144, Leather complex (Opp CETP), Jalandhar	2922
14	CETP Module-2 (Leather Complex) Entry Gate, Jalandhar,	2923
15	Hand Pump installed Near ESI Hospital, Surjit Nagar, Sector 10 Block A Chetna Beauty, Guru Ki Nagri, Mandi Gobindgarh	2924
16	M/s Agni Refractories Pvt. Ltd., G.T. Road, Village Ajnali, Mandi Gobindgarh (Submersible Pump)	2925
17	Hand pump installed near Ash dykes in Village Bela Dhiani (Near Cremation Ground) .	2926
18	Hand pump installed near Ash Dykes in Village Bela Dhiani (Dev Raj S/o Pritam Chand)	2927
19	Village Chak Dheran Near Ash Dyke-3 of Thermal Plant Ropar	2928

20	Village Ranjeetpura near Ash Dykes Handpump of the Thermal plant Ropar	2929
21	From the Hand pump of Sh. Dharampal S/o Atma Ram, Village Toansa, backside of M/s Ranbaxy, Distt. SBS Nagar.	2930
22	Hand pump located at the resident of Sh. Mohan Lal S/o Relu Ram Village Toansa, Distt. SBS Nagar	2931
23	Near as dykes of Nabha Power limited, Village Nelas, Rajpura	4143
24	Piezometer well installed by M/s Patiala Distillery & Manufacturing Pvt. Ltd., Vill. Main, Distt. Patiala	4144
25	Submersible installed at premises of Baba Dermaya Ji Nath Mandir Vill. Rasuli Tehsil Patran.	4145
26	Gurukul College from Ash Dykes of Guru Nanak Dev Thermal Power Plant, Bathinda.	4147
27	Handpump adjoining HP- Petrol Pump, at a distance of Approx. at 200 from M/s HMEL Refinery	4148
28	Indian oil Petrol Pump Opp. Gate of GHTP colony, village Lehra Mohabbat, Distt. Bathinda .	4149
29	Tubewell installed along with a link road meeting Muktsar-Malout road from village Rahurianwali Distt. Sri Muktsar Sahib in the house of Sh. Harcharan Singh S/o Sh. Rajinder Singh .	4150
30	Near M/s Malbros International Pvt. Ltd , Village Mansoorwal, Tehsil Zira, Distt Ferozpur	4151
31	Near S.R. Spirit Bhammi wala Road, Jalalabad (W) within premises of M/s G.S. BKO (Brick Kiln) (Hand pump)	4152
32	Dashmesh Nagar Gali no.12, Gurdwara, Ludhiana	4153
33	TSSM Sr. Sec School Shimlapuri, Ludhiana	4154
34	Dairy Complex, Tajpur Road, Ludhiana opp. Satish Dairy near Amrit Dharam Kanda.	4155
35	Submersible installed in area on Sua Road near Dhandari Kalan, Ludhiana	4156
36	Submersible installed in the area on Janta Nagar, Ludhiana	4157
37	TW at RSSB, Tibba Road, Ludhiana, Indl. Area	4134
38	Near MSW Dumping Site, Jamalpur, Ludhiana	4135
39	Near STP, Jamalpur, Ludhiana	4136
40	H.P.in M/s Deep Steel Ltd., Mughal Majra, Mandi Gobindgarh	4137
41	H.P.149Near Sant Pritam School, Ambey Majra, Mandi Gobindgarh	4138
42	H.P. park adjoining National Industries, E-128, Phase-IV, Focal Point, Ludhiana	4139

43	H.P. in Sahota Baghbani Farm, Village Harian, Machhiwara	4140
44	Submersible at Industrial Growth Centre, Defence Road, Pathankot	4141
45	H.P. Village Dheriwal Pathankot	4142

Monitoring Results of Ground Water Samples under NWMP for the month of October, 2019

Sr. no.	Point of Collection	Date of collection/receipt in lab	Lab Sample No.	Sample Collected By RO	Depth in mts	Location Code	pH	Turb. NTU	Cond μ s/cm	COD mg/l	TSS mg/l	TDS mg/l	TFS mg/l	T.H as CaCO ₃ mg/l	Ca mg/l	Mg mg/l	F mg/l	NO ₃ as N mg/l	Cl mg/l	SO ₄ mg/l	TALK as CaCO ₃ mg/l	Na mg/l	K mg/l	PO ₄ mg/l	SAR	% Na	B mg/l	
1	Piezometer between Ash dyke & water reservoir, Nabha Power Limited, Village Nalash, Rajpura	31/10/19	GW295	Patiala	21	4143	7.7	BDL	587	BDL	BDL	351	308	256	61.6	24.8	0.28	0.6	8	12	264	76	5.4	BDL	2.07	38.61	0.14	
2	Piezometer of M/s Patiala Distillers Pvt. Ltd., Village Main	21/10/19	GW294	Patiala	150	4144	7.2	BDL	993	BDL	BDL	644	568	382	80	44.2	0.56	3.4	68	54	312	94	6.8	BDL	2.09	34.37	0.18	
3	Submersible installed in the premises of Baba Dramaya Ji Nath Mandir at village Rasouli (Sagar Para Drain meeting with river Ghaggar) Tehsil Patran	10/10/19	GW240	Patiala	55	4145	8.1	BDL	531	BDL	BDL	320	270	224	53.6	21.8	0.26	0.5	29	28	268	78	5.2	BDL	2.27	42.43	0.19	
4	CETP Module-2 (Leather Complex) Entry Gate, Jalandhar,	11/10/19	GW249	Jalandhar	43	2923	7.9	BDL	340	BDL	BDL	232	204	156	30	19.9	0.38	0.9	27	12	188	29	3.8	BDL	1.01	28.06	0.12	
5	M/s Kalsi International, Plot no.144, Leather complex (Opp CETP), Jalandhar	11/10/19	GW248	Jalandhar	61	2922	7.7	BDL	1589	BDL	BDL	954	840	548	147.2	43.7	0.24	14.8	380	84	196	122	7.6	BDL	2.27	32.26	0.11	
6	From Piezometer at Village Hamira, Kapurthala	11/10/19	GW250	Jalandhar	30	2920	7.6	BDL	1400	BDL	BDL	840	698	496	153.6	27.2	0.20	9.6	170	48	452	90	88	BDL	1.76	24.35	0.19	
7	Near Lagoons of M/s J.I.L./ Railway Crossing vill. Hamira.	11/10/19	GW251	Jalandhar	30	2921	7.5	BDL	407	BDL	BDL	286	243	184	43.2	18.5	0.36	0.9	27	10	228	46	4.2	BDL	1.48	34.57	0.21	
8	Submersible at RSSB, Tibba Road, Ludhiana, Indl. Area	17/10/19	GW259	LudhianaIII	107	4134	7.8	BDL	538	BDL	BDL	344	286	244	51.2	28.2	0.32	0.7	12	14	266	58	7.6	BDL	1.62	33.22	0.18	
9	MSW Dumping Site, Jamalpur, Ludhiana	17/10/19	GW260	LudhianaIII	91	4135	7.9	BDL	553	BDL	BDL	354	288	268	52.8	33.0	0.26	0.8	9	12	260	60	6.9	BDL	1.60	33.60	0.20	
10	STP, Jamalpur, Ludhiana	17/10/19	GW261	LudhianaIII	107	4136	7.6	BDL	554	BDL	BDL	338	294	272	55.2	32.6	0.28	0.9	10	14	264	64	7.2	BDL	1.69	33.11	0.22	
11	Haibowal, Dairy Complex, Near Jagga Di Diary, Ludhiana	17/10/19	GW262	LudhianaIII	83	1900	7.7	BDL	693	BDL	BDL	430	362	298	69.6	30.1	0.22	5.1	28	16	272	61	8.0	BDL	1.54	30.11	0.26	
12	PAU Research fields, Ludhiana	17/10/19	GW263	LudhianaIII	137	1903	7.6	BDL	694	BDL	BDL	434	382	302	70.4	30.6	0.38	5.8	12	28	216	64	8.6	BDL	1.60	30.80	0.15	
13	Dashmesh Nagar, Gali No. 12, Gurdhwara, Ludhiana	17/10/19	GW264	LudhianaIII	76	4153	7.8	BDL	533	BDL	BDL	326	277	236	49.6	27.2	0.26	21.2	48	36	136	22	5.4	BDL	0.62	16.47	0.11	
14	Dairy Complex, Tajpur Road, Ludhiana	17/10/19	GW265	LudhianaIII	76	4155	7.6	BDL	759	BDL	BDL	478	411	336	99.2	21.4	0.20	8.2	56	24	232	72	9.4	BDL	0.71	31.05	0.19	
15	TSSM Sr. Sec School Shimlapuri, Ludhiana	15/10/19	GW255	LudhianaII	76	4154	7.6	BDL	802	BDL	BDL	496	432	352	87.2	32.6	0.11	24.6	63	18	328	64	6.9	BDL	1.48	27.84	0.15	
16	Submersible installed in area on Sua Road near Dhandari Kalan, Ludhiana	15/10/19	GW256	LudhianaII	152	4156	7.2	BDL	1102	BDL	BDL	684	596	416	60.8	64.2	0.36	25.4	105	20	436	82	9.5	BDL	1.75	29.40	0.18	
17	Submersible installed in the area on Janta Nagar, Ludhiana	15/10/19	GW257	LudhianaII	76	4157	7.7	BDL	743	BDL	BDL	454	394	340	76.8	35.9	0.46	18.8	60	38	224	44	7.1	BDL	1.04	21.54	0.23	
	Permissible limits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Note: 1) BOD, T.Coli, F.Coli, TKN, Amm.N, P.alk and PO₄ were BDL in all the samples

2) Pesticides i.e. Alpha HCH, Beta HCH, Gama HCH, Anilophos, Chloropyrifos, 4,4' DDT, Endosulphan-1, Endosulphan-2, Dieldrin, Aldrin & Malathian were BDL.

3) BDL means Below method Detection Limit.

Sr. no.	Point of Collection	Date of collection/receipt in lab	Lab Sample No.	Sample Collected By RO	Depth in mts	Location Code	pH	Turb. NTU	Cond μ s/cm	COD mg/l	TSS mg/l	TDS mg/l	TFS mg/l	T.H as CaCO ₃ mg/l	Ca mg/l	Mg mg/l	F mg/l	NO ₃ as N mg/l	Cl mg/l	SO ₄ mg/l	TAlk as CaCO ₃ mg/l	Na mg/l	K mg/l	PO ₄ mg/l	SAR	% Na	B mg/l	
18	Submersible installed near Dushera Ground, Industrial Estate, Ludhiana	15/10/19	GW 258	LudhianaII	137	1901	7.6	BDL	770	BDL	BDL	470	396	376	84.8	39.9	0.38	22.2	65	14	316	60	9.8	BDL	1.35	25.15	0.21	
19	House of Sh. Ashok Singh, VPO-Gumtala, Near Maha Luxmi Sweet Shop, Amritsar,	15/10/19	GW 254	Amritsar	76	2916	7.3	BDL	1110	BDL	BDL	650	520	336	52	41	0.24	1.4	81	60	328	97	15.2	BDL	2.25	39.88	0.15	
20	Hotel Grace, 35, Brahmbutta Market opposite Hotel Sita Niwas, Amritsar,	15/10/19	GW 253	Amritsar	76	2917	7.1	BDL	985	BDL	BDL	699	545	348	72	50	0.58	8.6	88	66	364	112	30.6	BDL	2.56	36.5	0.10	
21	Police Station, Phase-3, Focal Point, Ludhiana	30/10/19	GW 278	LudhianaI	107	1902	7.1	BDL	1316	BDL	BDL	804	684	611	204.8	24.0	0.20	14.8	80	58	268	78	10.2	BDL	1.37	21.40	0.24	
22	Bawa Oil Company (HP Petrol Pump), GT road, Sherpur, Ludhiana	30/10/19	GW 277	LudhianaI	107	1898	7.0	BDL	1084	BDL	BDL	672	558	318	66.4	36.9	0.29	25.8	92	38	296	120	33.1	BDL	2.93	42.03	0.21	
23	HP Park adjoining M/s National Industries, E-128, Phase-IV, Focal Point, Ludhiana	30/10/19	GW 279	LudhianaI	73	4139	7.0	BDL	1100	BDL	BDL	682	608	386	14.2	16.5	0.19	31.2	68	44	244	84	8.9	BDL	3.59	61.42	0.22	
24	H.P. in Sahota Baghabni Farm, Village Harijan, Machhiwara	30/10/19	GW 280	LudhianaI	37	4140	7.0	BDL	480	BDL	BDL	298	244	258	51.2	31.6	0.12	1.8	10	28	228	48	6.8	BDL	1.30	28.14	0.12	
25	Hand pump located at the resident of Sh. Dharampal S/o Atma Ram, Village Toansa, backside of M/s Ranbaxy, Distt. SBS Nagar.	10/10/19	GW 242	Hoshiarpur	12	2930	7.8	BDL	733	BDL	BDL	454	386	248	48	31.1	0.34	1.2	110	12	208	58	9.4	BDL	1.60	32.68	0.22	
26	Hand pump located at the resident of Sh. Mohan Lal S/o Relu Ram, Toansa, Balachaur Distt. SBS Nagar.	10/10/19	GW 241	Hoshiarpur	14	2931	8.2	BDL	2000	BDL	BDL	1240	1028	700	184.8	57.8	0.58	1.0	439	60	484	108	15.6	BDL	1.78	24.62	0.48	
27	Hand Pump (100' Deep) installed near, 149 Near Sant Pritam School, Ambey Majra Mandi Gobindgrah	7/10/19	GW 237	Fatehgarh Sahib	30	4138	7.3	BDL	832	BDL	BDL	471	414	364	59.2	52.5	0.69	2.2	56	36	364	59	7.9	BDL	1.35	25.54	0.16	
28	Hand Pump (100' Deep) installed, at M/s Deep Steel Ltd, Vill. Mugal Majra, Mandi Gobindgrah	7/10/19	GW 236	Fatehgarh Sahib	30	4137	7.2	BDL	1217	BDL	BDL	805	684	556	103	72	0.76	2.8	96	44	368	92	9.3	BDL	1.7	26.14	0.17	
29	Hand Pump (80' Deep) installed near the ESI Hospital, Guru ki Nagri, Mandi Gobindgrah.	7/10/19	GW 239	Fatehgarh Sahib	46	2924	7.3	BDL	993	BDL	BDL	523	445	479	77	70	0.71	2.4	93	40	372	84	8.2	BDL	1.67	27.12	0.15	
30	Submersible Pump installed (150' deep) at M/s Agni Refractory, Vill Ajnali, G.T. Road, Mandi Gobindgrah	7/10/19	GW 238	Fatehgarh Sahib	46	2925	6.7	BDL	2222	BDL	BDL	1663	1380	948	204	106	0.84	3.6	573	68	400	116	16.8	BDL	1.64	20.69	0.13	
31	H.P in the premises of cremation ground of Vill. Ratoul Rohi near Malbros International (p) Ltd, Village Mansoorwal, Tehsil Zira, Distt Ferozpur along Talwandi-Zira Road Zira	30/10/19	GW 281	Faridkot	60	4151	8.0	BDL	2190	BDL	BDL	1358	1181	578	182.4	29.6	0.58	1.4	396	76	388	108	15.4	BDL	1.96	28.24	1.55	
32	adjoining HP- Petrol Pump, at a distance of Approx. at 200 from M/s HMEL Refinery	30/10/19	GW 288	Bathinda	70	4148	7.2	BDL	5020	BDL	BDL	3112	2552	996	323.2	45.7	1.34	176	718	488	456	940	25.4	BDL	12.96	66.55	1.94	
	Permissible limits	-	-	-	-	-	6.5-8.5	5	-	-	-	2000	-	-	200	100	1.5	10.2	1000	400	600	-	-	-	-	-	-	-

Note: 1) BOD, T.Coli, F.Coli, TKN, Amm.N, P.alk and PO₄ were BDL in all the samples
2) Pesticides i.e. Alpha HCH, Beta HCH, Gama HCH, Anilophos, Chloropyrifos, 4,4' DDT, Endosulphan-1, Endosulphan-2, Dieldrin, Aldrin & Malathian were BDL.
3) BDL means Below method Detection Limit.

Sr. no.	Point of Collection	Date of collection/ receipt in lab	Lab Sample No.	Sample Collected By RO	Depth in mts	Location Code	pH	Turb. NTU	Cond μ s/cm	COD mg/l	TSS mg/l	TDS mg/l	TFS mg/l	T.H as CaCO ₃ mg/l	Ca mg/l	Mg mg/l	F mg/l	NO ₃ as N mg/l	Cl mg/l	SO ₄ mg/l	TAlk as CaCO ₃ mg/l	Na mg/l	K mg/l	SAR	% Na	B mg/l
33	Gurukul College near Ash Dykes of Guru Nanak Dev Thermal Power Plant, Bathinda.	30/10/19	GW 289	Bathinda	100	4147	7.3	BDL	2224	BDL	BDL	1380	1146	486	164.8	17.9	1.48	10.2	328	48	484	204	11.6	4.03	47.02	0.95
34	Petrol pump near M/s Guru Hargobind thermal plant, Lehra Mohabbat, Distt. Bathinda .	30/10/19	GW 290	Bathinda	60	4149	7.3	BDL	1200	BDL	BDL	756	627	258	46.4	34.5	5.28	5.6	84	72	428	224	12.8	6.07	63.98	0.18
35	Tubewell installed along with a link road meeting Muktsar-Malout road from village Rahurianwali Distt. Sri Muktsar Sahib in the house of Sh. Harcharan Singh S/o Sh. Rajinder Singh.	30/10/19	GW 291	Bathinda	40	4150	7.3	BDL	1846	BDL	BDL	1256	1080	518	64.8	86.5	0.40	4.1	336	280	320	230	13	4.40	48.34	0.21
36	Hand Pump near Municipal Solid Waste Dumping site, Village Deriwal Pathankot	25/10/19	GW 275	Batala	12	4142	7.2	BDL	528	BDL	BDL	322	286	240	47.2	29.6	0.07	1.2	8	12	264	28	3.0	0.79	18.38	0.15
37	Tubewell at PSPCL 66 KVA Sub-Station (300ft approx.) Industrial Growth Centre, Pathankot	25/10/19	GW 274	Batala	61	4141	6.5	BDL	335	BDL	BDL	221	183	172	36	19.9	0.18	4.8	30	24	130	20	24	0.66	16.31	0.11
38	Hand pump installed in the residence of Sh. Daler Chand- S/o Bakshi Ram,, 29, Near Ash dyke in Village Bela Dhiani.	30/10/19	GW 282	SAS Nagar	9	2926	7.5	BDL	1428	13	BDL	886	770	558	183.2	24.3	1.09	18.4	178	40	324	58	40.2	1.07	17.09	0.28
39	Hand pump installed in the residence of Sh. DevRaj S/o Sh. Pritam Chand Dyke in Village Bela Dhiani	30/10/19	GW 283	SAS Nagar	9	2927	7.4	BDL	1166	BDL	BDL	723	615	436	108	40.3	0.96	19.2	72	98	278	54	42.8	0.10	2.40	0.25
40	Hand pump of the Thermal Plant at Village Ranjeetpura	30/10/19	GW 285	SAS Nagar	6	2929	7.8	BDL	402	BDL	BDL	273	240	222	52	22.4	1.76	0.9	10	42	192	8	5.4	0.23	6.68	0.11
41	Hand pump of the Thermal Plant at Village Chakdhera.	30/10/19	GW 284	SAS Nagar	6	2928	7.5	BDL	849	BDL	BDL	577	502	344	99.2	23.3	0.58	2.2	24	74	356	58	16.4	1.36	26.37	0.15
42	Hand pump installed at Railway crossing, Lalru, Teh. Dera Bassi SAS Nagar	17/10/19	GW 266	SAS Nagar	27	2918	7.6	BDL	2511	BDL	BDL	1532	1272	536	182.4	19.4	0.84	27.2	378	60	552	402	5.8	7.56	61.71	0.20
43	Hand pump near Peer Baba Samadh, Bhankarpur, Tehsil Dera Bassi, Distt. SAS Nagar.	17/10/19	GW 267	SAS Nagar	30	2919	7.7	BDL	3250	6	BDL	1950	1599	612	208	22.4	0.92	28.4	432	88	848	518	3.2	9.11	64.67	0.38
	Permissible limits	-	-	-	-	-	6.5-8.5	5	-	-	-	2000	-	-	200	100	1.5	10.2	1000	400	600	-	-	-	-	-

- Note:** 1) BOD, T.Coli, F.Coli, TKN, Amm.N, P.alk and PO₄ were BDL in all the samples
2) Pesticides i.e. Alpha HCH, Beta HCH, Gamma HCH, Anilophos, Chloropyrifos, 4,4' DDT, Endosulphan-1, Endosulphan-2, Dieldrin, Aldrin & Malathian were BDL.
3) BDL means Below method Detection Limit.

Monitoring Results of Ground Water Samples under NWMP for month of October, 2019

Sr. no.	Point of Collection	Date of collection/ receipt in lab	Lab Sample No.	Sample Collected By RO	Depth in mts	Location Code	Fe mg/l	Zn mg/l	Cu mg/l	Ni mg/l	T. Cr mg/l	Pb mg/l	Cd mg/l	As mg/l	Hg mg/l
1	Piezometer between Ash dyke & water reservoir, Nabha Power Limited, Village Nalash, Rajpura	31/10/19	GW295	Patiala	21	4143	0.11	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2	Piezometer of M/s Patiala Distillers Pvt. Ltd., Village Main	21/10/19	GW294	Patiala	150	4144	0.14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
3	Submersible installed in the premises of Baba Dramaya Ji Nath Mandir at village Rasouli (Sagar Para Drain meeting with river Ghaggar) Tehsil Patran	10/10/19	GW240	Patiala	55	4145	0.44	0.10	BDL	BDL	BDL	BDL	BDL	BDL	BDL
4	CETP Module-2 (Leather Complex) Entry Gate, Jalandhar,	11/10/19	GW249	Jalandhar	43	2923	0.31	0.12	BDL	BDL	BDL	BDL	BDL	BDL	BDL
5	M/s Kalsi International, Plot no.144, Leather complex (Opp CETP), Jalandhar	11/10/19	GW248	Jalandhar	61	2922	0.70	0.56	BDL	BDL	0.006	BDL	BDL	BDL	BDL
6	From Piezometer at Village Hamira, Kapurthala	11/10/19	GW250	Jalandhar	30	2920	0.55	0.88	BDL	BDL	BDL	BDL	BDL	BDL	BDL
7	Near Lagoons of M/s J.I.L/ Railway Crossing vill. Hamira.	11/10/19	GW251	Jalandhar	30	2921	0.96	1.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL
8	Submersible at RSSB, Tibba Road, Ludhiana, Indl. Area	17/10/19	GW259	LudhianaIII	107	4134	BDL	0.29	0.007	BDL	BDL	BDL	BDL	BDL	BDL
9	MSW Dumping Site, Jamalpur, Ludhiana	17/10/19	GW260	LudhianaIII	91	4135	BDL	0.19	BDL	BDL	0.006	BDL	BDL	BDL	BDL
10	STP, Jamalpur, Ludhiana	17/10/19	GW261	LudhianaIII	107	4136	0.10	0.13	BDL	0.008	BDL	BDL	BDL	BDL	BDL
11	Haibowal, Dairy Complex, Near Jagga Di Diary, Ludhiana	17/10/19	GW262	LudhianaIII	83	1900	0.11	0.16	BDL	BDL	BDL	BDL	BDL	BDL	BDL
12	PAU Research fields, Ludhiana	17/10/19	GW263	LudhianaIII	137	1903	0.29	0.21	BDL	BDL	BDL	BDL	BDL	BDL	BDL
13	Dashmesh Nagar, Gali No. 12, Gurdhwara, Ludhiana	17/10/19	GW264	LudhianaIII	76	4153	0.18	0.18	0.009	BDL	BDL	BDL	BDL	BDL	BDL
14	Dairy Complex, Tajpur Road, Ludhiana	17/10/19	GW265	LudhianaIII	76	4155	BDL	0.17	BDL	BDL	BDL	BDL	BDL	BDL	BDL
15	TSSM Sr. Sec School Shimlapuri, Ludhiana	15/10/19	GW255	LudhianaII	76	4154	0.21	0.98	0.008	BDL	0.010	BDL	BDL	BDL	BDL
16	Submersible installed in area on Sua Road near Dhandari Kalan, Ludhiana	15/10/19	GW256	LudhianaII	152	4156	BDL	0.31	BDL	BDL	BDL	BDL	BDL	BDL	BDL
17	Submersible installed in the area on Janta Nagar, Ludhiana	15/10/19	GW257	LudhianaII	76	4157	BDL	0.18	BDL	BDL	0.016	BDL	BDL	BDL	BDL
18	Submersible installed near Dushera Ground, Industrial Estate, Ludhiana	15/10/19	GW 258	LudhianaII	137	1901	0.16	0.29	BDL	BDL	BDL	BDL	BDL	BDL	BDL
19	House of Sh. Ashok Singh, VPO- Gumtala, Near Maha Luxmi Sweet Shop, Amritsar,	15/10/19	GW 254	Amritsar	76	2916	0.58	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
20	Hotel Grace, 35, Brahmbutta Market opposite Hotel Sita Niwas, Amritsar,	15/10/19	GW 253	Amritsar	76	2917	0.10	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
21	Police Station, Phase-3, Focal Point, Ludhiana	30/10/19	GW 278	LudhianaI	107	1902	0.22	0.12	BDL	BDL	BDL	BDL	BDL	BDL	BDL
22	Bawa Oil Company (HP Petrol Pump), GT road, Sherpur, Ludhiana	30/10/19	GW 277	LudhianaI	107	1898	0.19	0.10	BDL	BDL	BDL	BDL	BDL	BDL	BDL
		-	-	-											

Note: BDL means Below Method Detection Limit

Sr. no.	Point of Collection	Date of collection/ receipt in lab	Lab Sample No.	Sample Collected By RO	Depth in mts	Location Code	Fe mg/l	Zn mg/l	Cu mg/l	Ni mg/l	T. Cr mg/l	Pb mg/l	Cd mg/l	As mg/l	Hg mg/l
23	HP Park adjoining M/s National Industries, E-128, Phase-IV, Focal Point, Ludhiana	30/10/19	GW 279	LudhianaI	73	4139	0.16	0.1	0.031	BDL	BDL	BDL	BDL	BDL	BDL
24	H.P. in Sahota Baghabni Farm, Village Hariar, Machhiwara	30/10/19	GW 280	LudhianaI	37	4140	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
25	Hand pump located at the resident of Sh. Dharampal S/o Atma Ram, Village Toansa, backside of M/s Ranbaxy, Distt. SBS Nagar.	10/10/19	GW 242	Hoshiarpur	12	2930	0.71	0.26	0.008	BDL	0.006	BDL	BDL	BDL	BDL
26	Hand pump located at the resident of Sh. Mohan Lal S/o Relu Ram, Toansa, Balachaur Distt. SBS Nagar.	10/10/19	GW 241	Hoshiarpur	14	2931	0.48	0.14	0.009	BDL	0.008	BDL	BDL	BDL	BDL
27	Hand Pump (100' Deep) installed near, 149 Near Sant Pritam School, Ambey Majra Mandi Gobindgrah	7/10/19	GW 237	Fatehgarh Sahib	30	4138	0.10	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
28	Hand Pump (100' Deep) installed, at M/s Deep Steel Ltd, Vill. Mugal Majra, Mandi Gobindgrah	7/10/19	GW 236	Fatehgarh Sahib	30	4137	0.11	BDL	BDL	0.007	0.006	BDL	BDL	BDL	BDL
29	Hand Pump (80' Deep) installed near the ESI Hospital, Guru ki Nagri , Mandi Gobindgrah.	7/10/19	GW 239	Fatehgarh Sahib	46	2924	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
30	Submersible Pump installed (150' deep) at M/s Agni Refractory, Vill Ajnali, G.T. Road, Mandi Gobindgrah	7/10/19	GW 238	Fatehgarh Sahib	46	2925	0.12	BDL	BDL	0.006	0.008	BDL	BDL	BDL	BDL
31	H.P in the premises of cremation ground of Vill. Ratoul Rohi near Malbros International (p) Ltd , Village Mansoorwal, Tehsil Zira, Distt Ferozpur along Talwandi- Zira Road Zira	30/10/19	GW 281	Faridkot	60	4151	0.24	0.15	0.038	BDL	BDL	BDL	BDL	BDL	BDL
32	adjoining HP- Petrol Pump, at a distance of Approx. at 200 from M/s HMEL Refinery	30/10/19	GW 288	Bathinda	70	4148	0.38	0.64	0.045	BDL	BDL	BDL	BDL	BDL	BDL
33	Gurukul College near Ash Dykes of Guru Nanak Dev Thermal Power Plant, Bathinda.	30/10/19	GW 289	Bathinda	100	4147	0.17	BDL	0.017	BDL	BDL	BDL	BDL	BDL	BDL
34	Petrol pump near M/s Guru Hargobind therml plant, Lehra Mohabbat, Distt. Bathinda .	30/10/19	GW 290	Bathinda	60	4149	0.14	0.25	BDL	BDL	BDL	BDL	BDL	BDL	BDL
35	Tubewell installed along with a link road meeting Muktsar-Malout road from village Rahurianwali Distt. Sri Muktsar Sahib in the house of Sh. Harcharan Singh S/o Sh. Rajinder Singh.	30/10/19	GW 291	Bathinda	40	4150	0.11	0.14	0.045	BDL	BDL	BDL	BDL	BDL	BDL
36	Hand Pump near Municipal Solid Waste Dumping site, Village Deriwal Pathankot	25/10/19	GW 275	Batala	12	4142	0.14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
37	Tubewell at PSPCL 66 KVA Sub-Station (300ft approx.) Industrial Growth Centre, Pathankot	25/10/19	GW 274	Batala	61	4141	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
38	Hand pump installed in the residence of Sh. Daler Chand- S/o Bakshi Ram,, 29, Near Ash dyke in Village Bela Dhiani.	30/10/19	GW 282	SAS Nagar	-	2926	0.15	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
39	Hand pump installed in the residence of Sh. DevRaj S/o Sh. Pritam Chand Dyke in Village Bela Dhiani	30/10/19	GW 283	SAS Nagar	-	2927	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
40	Hand pump of the Thermal Plant at Village Ranjeetpura	30/10/19	GW 285	SAS Nagar	-	2929	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
41	Hand pump of the Thermal Plant at Village Chakdhera.	30/10/19	GW 284	SAS Nagar	-	2928	0.24	0.10	BDL	BDL	BDL	BDL	BDL	BDL	BDL
42	Hand pump installed at Railway crossing, Lalaru, Teh. Dera Bassi SAS Nagar	17/10/19	GW 266	SAS Nagar	27	2918	0.11	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
43	Hand pump near Peer Baba Samadh, Bhankarpur, Tehsil Dera Bassi, Distt. SAS Nagar.	17/10/19	GW 267	SAS Nagar	30	2919	0.15	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	Permissible limits	-					0.3	15	1.5	0.02	0.05	0.01	0.003	0.01	0.001

Note: BDL means Below Method Detection Limit