

DRINKING WATER QUALITY - DISTRICT MARDAN RURAL AREAS

Sr. No	Sample Code	Village	Union Council	Tehsil	Location	Source	Depth (ft)	Water Table Depth (ft)	EC		pH	Turbidity	Color	Taste	Odor	TDS	Alkalinity (mmol/l)	HCO ₃ (mg/l)	CO ₃ (mg/l)	Cl (mg/l)	SO ₄ (mg/l)	Ca (mg/l)	Hardness (mg/l)	Na (mg/l)	K (mg/l)	NO ₃ (mg/l)	PO ₄ (mg/l)	F (mg/l)	Fe (mg/l)	As (ppb)	Pb (ppb)	Total Calcium	E.Coli	Safu/Unsafe	
									µmS	µmS																									
		Hemoglobin (g/dl)		Hb (%)		Hb (%)		Hb (%)		Hb (%)		Hb (%)		Hb (%)		Hb (%)		Hb (%)		Hb (%)		Hb (%)		Hb (%)		Hb (%)		Hb (%)		Hb (%)		Hb (%)		Hb (%)	
1	MAR-01	Gugar Ghari	Gugar Ghari	Mardan	Shakar Mohr	Ht. Pump	100	60	1670	7.8	0.0	C.Less	Un-Obj	Un-Obj	1003	5	230	0	170	353	72	12	230	170	5	3.70	0	0.92	0.02	BDL	2.51	+ve	-ve	Safe	
2	MAR-02	Gugar Ghari	Gugar Ghari	Mardan	Mahngoo Gugar Ghari	Tube Well	450	60	642	8.3	0.0	C.Less	Un-Obj	Un-Obj	352	5	230	0	27	33	12	39	190	42	3	3.20	0	0.37	0.02	BDL	0.73	+ve	-ve	Safe	
3	MAR-03	Gugar Ghari	Gugar Ghari	Mardan	Jander Pir	Ht. Pump	100	60	687	7.8	0.0	C.Less	Un-Obj	Un-Obj	277	5	240	0	28	25	16	22	130	77	1	1.60	0	0.28	0.25	0.09	0.56	+ve	-ve	Unsafe	
4	MAR-04	Gugar Ghari	Gugar Ghari	Mardan	Jander Pir on main Mosque	Ht. Pump	70	50	1561	8.0	0.2	C.Less	Un-Obj	Un-Obj	1067	2	190	0	11	26	24	7	90	8	8	0.80	0	0.31	0.15	0.22	0.48	+ve	-ve	Unsafe	
5	MAR-05	Gugar Ghari	Gugar Ghari	Mardan	Gul Pur	Ht. Pump	120	120	491	8.1	0.2	C.Less	Un-Obj	Un-Obj	270	4	220	0	12	34	8	41	190	10	2	BDL	0	0.46	0.01	0.38	0.64	+ve	-ve	Unsafe	
6	MAR-06	Baghdada	Baghdada	Mardan	T.B.Hospital	T. Well	280	60	1215	8.2	0.5	C.Less	Un-Obj	Un-Obj	729	9	460	0	56	105	8	41	190	174	5	9.50	0	0.60	BDL	0.29	1.23	+ve	-ve	Unsafe	
7	MAR-07	Baghdada	Baghdada	Mardan	PTCC/ NTC Colony	T. Well	150	60	2400	8.2	3.5	C.Less	Un-Obj	Un-Obj	1438	7	340	0	32	78	32	24	220	52	3	2.20	0	0.35	0.02	0.59	1.26	+ve	-ve	Unsafe	
8	MAR-08	Baghdada	Baghdada	Mardan	Govt. Middle School Baghdada	T. Well	140	80	673	7.9	0.0	Un-Obj	Un-Obj	370	6	290	0	26	244	84	104	60	66	276	6	0.50	0	0.56	0.02	BDL	BDL	+ve	-ve	Unsafe	
9	MAR-09	Baghdada	Baghdada	Mardan	Govt. Pk House Hill Korona	T. Well	450	106	678	8.3	0.1	C.Less	Un-Obj	Un-Obj	433	6	300	0	25	52	16	46	230	276	3	0.60	0	0.35	0.03	0.52	1.41	+ve	-ve	Safe	
10	MAR-10	Baghdada	Baghdada	Mardan	Seri Korona Baghdada	T. Well	400	30	658	8.1	0.9	C.Less	Un-Obj	Un-Obj	361	5	230	0	27	33	12	39	190	56	3	1.80	0	1.32	0.00	0.66	BDL	+ve	-ve	Unsafe	
11	MAR-11	Kalpini Railway station	Jahangir Abad	Mardan	Chai Mahal Aslam Khan House	Ht. Pump	30	60	658	8.5	2.0	C.Less	Un-Obj	Un-Obj	361	6	280	0	18	90	16	26	150	82	2	1.80	0	0.67	0.01	0.54	3.59	+ve	-ve	Safe	
12	MAR-12	Kalpini Railway station	Jahangir Abad	Mardan	Chai Mahal Usman House	Ht. Pump	70	30	920	7.7	1.9	C.Less	Un-Obj	Un-Obj	506	4	190	0	78	30	24	40	230	73	7	12.00	0	0.53	0.01	0.50	BDL	+ve	-ve	Unsafe	
13	MAR-13	Jandai	Jahangir Abad	Mardan	Chai Mahal Muttahir House	Ht. Pump	50	10	592	8.0	1.4	C.Less	Un-Obj	Un-Obj	325	6	310	25	9	127	12	34	170	87	3	3.50	0	0.87	0.02	1.08	2.01	+ve	-ve	Unsafe	
14	MAR-14	Jandai	Jahangir Abad	Mardan	Chai Mahal Fazal Jan House	Ht. Pump	65	10	661	8.8	1.3	C.Less	Un-Obj	Un-Obj	363	7	350	30	11	32	16	7	70	111	3	3.20	0	0.82	BDL	1.23	0.62	+ve	-ve	Unsafe	
15	MAR-15	Jandai	Jahangir Abad	Mardan	Chai Mahal Gul Muhammad House	Ht. Pump	65	5	1253	7.9	2.2	C.Less	Un-Obj	Un-Obj	751	9	440	0	53	127	28	27	180	198	7	10.00	0	0.08	0.03	0.39	2.88	+ve	-ve	Safe	
16	MAR-16	Mardan	Khanzara Deri	Mardan	Khanzara Deri Salar House	Ht. Pump	70	40	943	8.5	1.3	C.Less	Un-Obj	Un-Obj	518	7	317	50	42	50	4	15	270	88	12	3.40	0	0.36	0.01	0.43	0.78	+ve	-ve	Unsafe	
17	MAR-17	Mardan	Khanzara Deri	Mardan	Khanzara Deri Shawat Ali House	Ht. Pump	70	40	925	8.4	2.6	C.Less	Un-Obj	Un-Obj	508	8	380	30	45	8	27	130	8	17.00	0	0.16	0.02	2.47	2.85	+ve	-ve	Unsafe			
18	MAR-18	Khanjar	Khanzara Deri	Mardan	Bacha Sabi Mosque	Ht. Pump	30	80	892	8.7	0.7	C.Less	Un-Obj	Un-Obj	441	9	450	25	14	35	12	77	140	210	5	1.01	0	0.02	0.01	0.97	6.37	+ve	-ve	Unsafe	
19	MAR-19	Khanjar	Khanzara Deri	Mardan	Govt. Girls School Khanzara Deri	Ht. Pump	40	10	649	8.3	0.7	C.Less	Un-Obj	Un-Obj	356	6	290	35	25	33	8	49	220	50	2	11.50	0	0.78	BDL	0.49	1.02	+ve	-ve	Unsafe	
20	MAR-20	Khanjar	Khanzara Deri	Mardan	BHU Khanzara Deri	Bore	120	40	658	9.0	0.6	C.Less	Un-Obj	Un-Obj	361	8	410	30	18	33	8	14	80	120	3	2.30	0	1.65	0.02	2.18	2.12	+ve	-ve	Unsafe	
21	MAR-21	Khanjar	Mahoderi	Mardan	Bagh Kal, Ajmal Khan House	Ht. Pump	35	10	731	8.6	9.0	C.Less	Un-Obj	Un-Obj	402	4	220	40	23	53	8	28	130	154	3	1.50	0	1.15	0.01	0.52	3.69	+ve	-ve	Unsafe	
22	MAR-22	Khanjar	Mahoderi	Mardan	Muhammad Khan House Bagh	Ht. Pump	35	10	395	8.5	4.3	C.Less	Un-Obj	Un-Obj	217	7	350	10	61	12	17	10	136	4	2.00	0	1.05	0.01	0.89	3.90	+ve	-ve	Unsafe		
23	MAR-23	Khanjar	Mahoderi	Mardan	Bagh Kal, Fazi-e-Rehman	Ht. Pump	30	10	1200	8.5	1.0	C.Less	Un-Obj	Un-Obj	720	9	460	35	37	79	4	34	150	168	5	15.00	0	1.27	BDL	0.77	1.46	+ve	-ve	Unsafe	
24	MAR-24	Khanjar	Mahoderi	Mardan	Ali Rehman House Bagh	Ht. Pump	20	5	1222	8.8	6.2	C.Less	Un-Obj	Un-Obj	733	10	520	80	55	101	8	19	100	184	3	5.50	0	1.73	BDL	2.29	0.82	+ve	-ve	Unsafe	
25	MAR-25	Khanjar	Mahoderi	Mardan	Lalazada House Bagh	Ht. Pump	40	10	929	8.8	9.6	C.Less	Un-Obj	Un-Obj	510	8	400	45	50	54	8	15	80	148	3	6.00	0	1.45	BDL	1.87	4.17	+ve	-ve	Unsafe	
26	MAR-26	Saro Shah	Saro Shah	Mardan	SDF, H.P. Near Gulistan House	Ht. Pump	60	20	1454	7.7	1.0	C.Less	Un-Obj	Un-Obj	872	2	80	0	121	107	40	19	180	180	7	17.00	0	0.56	0.01	0.62	3.28	+ve	-ve	Unsafe	
27	MAR-27	Saro Shah	Saro Shah	Mardan	SDF, H.P. Near Shawhead Home	Ht. Pump	60	20	1464	7.8	0.2	C.Less	Un-Obj	Un-Obj	878	1	40	0	34	125	36	19	170	200	3	28.00	0	0.58	BDL	0.90	3.90	+ve	-ve	Unsafe	
28	MAR-28	Saro Shah	Saro Shah	Mardan	SDF, H.P. Near Shawhead Home	Ht. Pump	60	20	232	7.7	0.6	C.Less	Un-Obj	Un-Obj	127	1	400	0	326	192	24	29	180	320	11	40.00	0	0.75	BDL	0.12	10.57	+ve	-ve	Unsafe	
29	MAR-29	Saro Shah	Saro Shah	Mardan	Quaid Home Anwar Home	Ht. Pump	75	60	495	7.8	0.2	C.Less	Un-Obj	Un-Obj	172	3	180	0	21	40	20	22	140	22	2	2.30	0	0.58	BDL	0.88	3.02	+ve	-ve	Unsafe	
30	MAR-30	Saro Shah	Saro Shah	Mardan	SDF, H.P. Near Saroshah Bridge	Ht. Pump	85	30	249	7.7	0.0	C.Less	Un-Obj	Un-Obj	237	3	150	0	9	25	28	7	100	6	1	0.85	0	0.06	0.03	0.43	1.94	+ve	-ve	Unsafe	
31	MAR-31	Takkar	Takkar	Mardan	SDF, HP Near Fazio Bandh	Ht. Pump	65	12	611	7.9	0.0	C.Less	Un-Obj	Un-Obj	326	5	260	0	21	50	24	14	190	94	4	2.60	0	0.48	0.01	0.63	14.61	+ve	-ve	Unsafe	
32	MAR-32	Takkar	Takkar	Mardan	Takkar (Main Tube Well)	Ht. Pump	350	40	713	8.8	0.2	C.Less	Un-Obj	Un-Obj	392	6	245	25	9	120	20	10	90	114	4	2.30	0	3.80	BDL	0.88	10.73	+ve	-ve	Unsafe	
33	MAR-33	Takkar	Takkar	Mardan	SDF, HP C/O Mirnazam Shopkeeper	T. Well	65	20	400	8.9	0.8	C.Less	Un-Obj	Un-Obj	220	2	120	30	21	50	24	19	140	17	3	2.50	0	0.28	0.05	BDL	3.69	+ve	-ve	Unsafe	
34	MAR-34	Takkar	Takkar	Mardan	SDF, HP C/O Madrasa Dawar-ul-quran	Ht. Pump	65	25	190	8.0	0.0	C.Less	Un-Obj	Un-Obj	104	2	120	0	81	40	7	60	20	6	6.00	0	0.23	BDL	1.79	3.90	+ve	-ve	Unsafe		
35	MAR-35	Takkar	Takkar	Mardan	SDF, HP Near Takkar Bridge	Ht. Pump	75	20	216	8.0	1.4	C.Less	Un-Obj	Un-Obj	118	2	120	0	32	40	24	5	80	4	0	1.80	0	0.04	0.01	0.16	10.57	+ve	-ve	Unsafe	
36	MAR-36	Pir sado	Pir sado	Mardan	Shahidana Mohalla Public Hand Pump	Ht. Pump	350	30	480	8.6	0.4	C.Less	Un-Obj	Un-Obj	264	4	220	25	12	45	12	17	140	39	2	0.85	0	0.07	BDL	0.91	3.02	+ve	-ve	Unsafe	
37	MAR-37	Pir sado	Pir sado	Mardan	Mahalla Malguroj House	T. Well	70	45	820	8.6	17.0	C.Less	Un-Obj	Un-Obj	451	8	420	30	18	37	4	41	180	82	2	4.60	0	0.20	0.02	0.95	1.34	+ve	-ve	Unsafe	
38	MAR-38	Pir sado	Pir sado	Mardan	Mulagori Kandi Janerazo S/o Sawab Gul	Ht. Pump	65	45	1312	8.9	14.7	C.Less	Un-Obj	Un-Obj	787	10	520	30	71	55	4	99	420	88	2	5.70	0	0.27	0.06	0.09	0.48	+ve	-ve	Unsafe	
39	MAR-39	Pir sado	Pir sado	Mardan	Bar Kandi Zubair Khan House	Well	80	60	829	8.5	1.6	C.Less	Un-Obj	Un-Obj	455	9	440	30	21	35	12	58	270	77	2	4.40	0	0.45	BDL	0.93	2.31	+ve	-ve	Unsafe	
40	MAR-40	Pir sado	Pir sado	Mardan	Chor Bala Near Hamid Khan House	Well	80	60	790	8.0	0.0	C.Less	Un-Obj	Un-Obj	456	9	440	30	21	35	12	58	270	77	2	4.40	0	0.45	BDL	0.93	2.31	+ve	-ve	Unsafe	
41	MAR-41	Jalala	Jalala	Mardan	Miraj Market Near Rizq Shop	Bore	160	60	4480	8.2	0.9	C.Less	Un-Obj	Un-Obj	2777	13	650	80	415	95	8	173	730	660	7	6.80	0	0.72	0.05	1.13	BDL	+ve	-ve	Unsafe	
42	MAR-42	Jalala	Jalala	Mardan	Jalala Bazar Mosque	Ht. Pump	135	70	3690	7.7	1.8	C.Less	Un-Obj	Un-Obj	2287	9	440	0	340	180	64	141	740	580	6	112.00	0	0.68	BDL	0.26	23.14	+ve	-ve	Unsafe	
43	MAR-43	Jalala	Jalala	Mardan	Mohalla Kallala Near Naveed Home	Ht. Pump	125	60	6050	7.7	2.3	C.Less	Un-Obj	Un-Obj	3751																				

Sr. No	Sample Code	Village	Union Council	Tehsil	Location	Source	Depth (ft)	Water Depth (ft)	EC µS/cm	pH	Turbidity	Color	Taste	Odor	TDS	Alkalinity mg/l	HCO ₃ mg/l	CO ₃ mg/l	Cl mg/l	SO ₄ mg/l	Ca mg/l	Mg mg/l	Hardness mg/l	Na mg/l	K mg/l	NO ₃ mg/l	PO ₄ mg/l	F mg/l	Fe mg/l	As ppb	Pb ppb	Total Coliform	E.Coli	Safe/Unsafe	Permissible Limit (PQL/CGL)	
																																			BS-4-83	5.0
95	MAR-85	Toru	Toru	Mardan	Indhi Home	Bore	120	30	299	8.6	5.1	C.Less	Un-Obj	Un-Obj	164	3	170	20	7	4	8	3	70	45	3	0.70	0	0.14	BDL	3.37	1.56	+ve	+ve	Unsafe		
96	MAR-86	Ghalla Der	Ghalla Der	Mardan	Mohalla Shalla Der Tube Well	Bore	130	20	342	8.6	5.1	C.Less	Un-Obj	Un-Obj	242	4	170	20	7	4	8	3	70	45	3	0.70	0	0.14	BDL	3.37	1.56	+ve	+ve	Unsafe		
97	MAR-97	Ghalla Der	Ghalla Der	Mardan	Mohallah Naz ghalla Der Mosque	T. Well	100	15	538	8.6	17.5	C.Less	Un-Obj	Un-Obj	296	3	170	15	50	42	12	11	80	68	2	3.30	0	0.13	0.04	1.90	2.15	+ve	+ve	Unsafe		
98	MAR-98	Ghalla Der	Ghalla Der	Mardan	Moh. Humbat Well, Derwish Home	Bore	130	20	405	8.6	2.5	C.Less	Un-Obj	Un-Obj	223	0	0	25	8	50	61	2	2.10	0	0.00	BDL	2.79	1.87	+ve	+ve	Unsafe					
99	MAR-99	Ghalla Der	Ghalla Der	Mardan	Hujra Malik Mumtaz	Bore	130	20	832	8.4	12.3	C.Less	Un-Obj	Un-Obj	457	6	300	25	57	65	8	9	120	73	33	2.65	0	0.14	0.06	0.63	0.64	+ve	+ve	Unsafe		
100	MAR-100	Ghalla Der	Ghalla Der	Mardan	Mohallah Near Ghalla Der T. Well	Bore	350	15	358	8.6	1.8	C.Less	Un-Obj	Un-Obj	197	0	210	20	21	13	4	2	50	46	3	0.10	0	0.24	0.09	1.85	0.39	+ve	+ve	Unsafe		
101	MAR-101	Qasim	Qasim	Mardan	Moh. Tangg Jadh, Muner Khan Home	Well	130	8	455	7.6	0.0	C.Less	Un-Obj	Un-Obj	250	4	210	40	14	16	48	48	690	23	3	3.20	0	0.27	0.02	0.66	0.68	+ve	+ve	Unsafe		
102	MAR-102	Qasim	Qasim	Mardan	Hand Pump on Main Road	Bore	100	8	355	8.5	0.0	C.Less	Un-Obj	Un-Obj	195	6	300	0	7	3	20	78	90	43	2	0.70	0	0.30	BDL	1.28	1.04	+ve	+ve	Unsafe		
103	MAR-103	Qasim	Kandar	Mardan	Mohallah Sahibzadgan Shahid Home	T. Well	100	20	683	7.2	0.0	C.Less	Un-Obj	Un-Obj	375	5	240	0	18	11	32	44	150	15	1	2.00	0	0.25	0.02	0.37	0.72	+ve	+ve	Unsafe		
104	MAR-104	Qasim	Kandar	Mardan	BHU Qasim	Bore	100	15	685	7.3	0.0	C.Less	Un-Obj	Un-Obj	376	3	160	0	16	5	24	28	130	31	2	2.20	0	0.43	0.01	2.57	2.84	+ve	+ve	Unsafe		
105	MAR-105	Qasim	Kandar	Mardan	Mohalla Baral Khel Al Akbar home	H. Pump	350	8	416	8.2	0.0	C.Less	Un-Obj	Un-Obj	229	5	230	0	11	7	16	16	100	29	4	BDL	0	0.13	0.01	0.26	1.06	+ve	+ve	Unsafe		
106	MAR-106	Gumbat	Gumbat	Mardan	Sahbazpuri T. Well	H. Pump	60	10	534	7.9	0.9	C.Less	Un-Obj	Un-Obj	184	4	200	0	9	2	16	100	21	2	7.70	0	0.50	0.00	0.12	2.56	+ve	+ve	Safe			
107	MAR-107	Gumbat	Gumbat	Mardan	Mohallah Sharif Khel T. Well	H. Pump	70	30	302	7.5	0.3	C.Less	Un-Obj	Un-Obj	166	4	190	30	0	20	28	100	25	2	1.20	0	0.40	0.02	0.01	1.56	+ve	+ve	Unsafe			
108	MAR-108	Gumbat	Gumbat	Mardan	Mohallah Baral Khel Dilakhar Home	T. Well	80	15	313	8.5	0.3	C.Less	Un-Obj	Un-Obj	172	5	240	0	15	0	16	100	24	2	1.00	0	0.37	0.01	0.37	20.21	+ve	+ve	Unsafe			
109	MAR-109	Gumbat	Gumbat	Mardan	Mohallah Baral Khel Akbar Ali Home	Bore	15	8	688	7.9	0.6	C.Less	Un-Obj	Un-Obj	378	5	240	0	28	25	12	12	130	65	1	5.20	0	0.59	0.02	0.29	1.87	+ve	+ve	Unsafe		
110	MAR-110	Gumbat	Gumbat	Mardan	Mohalla Suddudin Khairi Kaka Home	Bore	115	20	417	8.3	0.0	C.Less	Un-Obj	Un-Obj	229	5	250	25	21	5	20	6	180	24	2	2.00	0	0.53	BDL	0.29	1.98	+ve	+ve	Unsafe		
111	MAR-111	Ghani Ismail Zai	Ghani Ismail Zai	Mardan	Moh. Jawara Deni Ibad-ur-Rehman Mosque	Bore	350	12	555	8.6	0.0	C.Less	Un-Obj	Un-Obj	305	5	230	0	35	22	12	2	130	68	3	1.70	0	0.39	0.01	3.76	2.52	+ve	+ve	Unsafe		
112	MAR-112	Ghani Ismail Zai	Ghani Ismail Zai	Mardan	Moh. Tawas Khul T. Well	Bore	120	10	1201	7.9	0.0	C.Less	Un-Obj	Un-Obj	720	9	440	0	53	102	20	14	150	162	5	1.10	0	0.35	0.02	0.05	0.71	+ve	+ve	Unsafe		
113	MAR-113	Ghani Ismail Zai	Ghani Ismail Zai	Mardan	Fida Muhammad Home Moh. Tawas Khul	Bore	120	18	543	8.6	0.0	C.Less	Un-Obj	Un-Obj	298	5	240	0	35	20	16	24	140	64	3	4.70	0	0.37	BDL	3.63	3.05	+ve	+ve	Unsafe		
114	MAR-114	Ghani Ismail Zai	Ghani Ismail Zai	Mardan	Huja Jamil Khan Moh. Tawas Khul	Well	120	60	1912	7.5	30.5	Muddy	Un-Obj	Un-Obj	1147	14	690	0	191	165	88	111	450	138	26	1.20	0	0.33	0.05	0.02	1.56	+ve	+ve	Unsafe		
115	MAR-115	Ghani Ismail Zai	Ghani Ismail Zai	Mardan	Main Bazar Adda Moh. Bakal Khel	Well	100	50	2160	7.1	60.0	C.Less	Un-Obj	Un-Obj	1339	8	410	0	112	200	84	83	500	96	24	45.00	BDL	0.31	0.04	1.04	1.23	+ve	+ve	Unsafe		
116	MAR-116	Ghani Dawlat Zai	Ghani Dawlat Zai	Mardan	Hujra Raza Khan Moh. Ismail Khan	Well	200	50	587	8.5	0.0	C.Less	Un-Obj	Un-Obj	322	4	210	40	42	188	28	24	190	25	3	4.50	0	0.15	BDL	0.06	1.05	+ve	+ve	Unsafe		
117	MAR-117	Ghani Dawlat Zai	Ghani Dawlat Zai	Mardan	Moh. Kojori Tummat samar Guk House	Bore	140	60	601	7.9	0.3	C.Less	Un-Obj	Un-Obj	330	4	190	0	28	27	28	24	140	64	3	6.80	0	0.15	BDL	0.01	3.02	+ve	+ve	Safe		
118	MAR-118	Ghani Dawlat Zai	Ghani Dawlat Zai	Mardan	Moh. Main Khel, Said-ul-wahab Home	Bore	120	70	1230	8.3	0.8	C.Less	Un-Obj	Un-Obj	738	6	300	0	131	73	36	17	300	62	40	11.70	0	0.70	0.01	1.18	3.71	+ve	+ve	Unsafe		
119	MAR-119	Ghani Dawlat Zai	Ghani Dawlat Zai	Mardan	Moh. Muslimabad, Nadin Khan Home	Bore	110	65	895	8.3	0.1	C.Less	Un-Obj	Un-Obj	493	200	200	10	184	38	28	53	290	51	4	8.10	0	0.61	BDL	0.06	4.97	+ve	+ve	Unsafe		
120	MAR-120	Ghani Dawlat Zai	Ghani Dawlat Zai	Mardan	Moh. Ijaz Khan	Bore	168	30	1670	7.4	0.0	C.Less	Un-Obj	Un-Obj	1002	3	140	15	291	60	36	29	490	79	4	12.60	0	0.50	BDL	0.02	5.09	+ve	+ve	Unsafe		
121	MAR-121	Kot Dawlat Zai	Kot Dawlat Zai	Mardan	Moh. Farooqabad T. Well	Bore	75	5	810	8.0	0.0	C.Less	Un-Obj	Un-Obj	445	7	350	0	35	30	4	22	130	112	3	0.50	0	0.52	BDL	0.03	1.02	+ve	+ve	Unsafe		
122	MAR-122	Kot Dawlat Zai	Kot Dawlat Zai	Mardan	Moh. Loharan T. Well	Well	380	10	806	8.4	0.1	C.Less	Un-Obj	Un-Obj	443	7	360	0	43	34	4	26	150	118	3	0.60	0	0.50	0.03	0.01	5.96	+ve	+ve	Unsafe		
123	MAR-123	Kot Dawlat Zai	Kot Dawlat Zai	Mardan	Muniza Home Moh. Sabatam	Well	35	57	544	8.3	1.4	Muddy	Un-Obj	Un-Obj	299	5	270	0	28	68	16	16	230	37	0	1.40	BDL	0.42	0.03	0.01	1.56	+ve	+ve	Unsafe		
124	MAR-124	Kot Dawlat Zai	Kot Dawlat Zai	Mardan	Moh. Gogyan, Basih's Home	Well	35	60	619	8.5	0.9	C.Less	Un-Obj	Un-Obj	340	5	250	15	11	20	16	11	210	38	0	1.40	0	1.40	BDL	0.03	1.53	+ve	+ve	Unsafe		
125	MAR-125	Kot Dawlat Zai	Kot Dawlat Zai	Mardan	Moh. Pakistan Jorhan, Hafiz's Home	Well	100	25	834	8.6	2.4	C.Less	Un-Obj	Un-Obj	459	7	350	25	35	28	4	34	180	120	3	0.17	0	0.48	BDL	0.01	2.32	+ve	+ve	Unsafe		
126	MAR-126	Mohib Banda	Mohib Banda	Mardan	Moh. Sadat Jorhan's home	T. Well	80	20	730	8.5	0.1	C.Less	Un-Obj	Un-Obj	401	7	370	0	25	34	12	8	90	122	3	0.20	0	1.20	BDL	1.22	1.89	+ve	+ve	Unsafe		
127	MAR-127	Mohib Banda	Mohib Banda	Mardan	Mohib Banda Abdhal, Near Dr. Fazle Home	T. Well	40	20	697	8.0	0.0	C.Less	Un-Obj	Un-Obj	383	8	380	0	19	34	12	8	90	124	3	4.00	0	1.40	BDL	0.80	1.69	+ve	+ve	Unsafe		
128	MAR-128	Mohib Banda	Mohib Banda	Mardan	Moh. Talabat Farid Karim Home	T. Well	80	25	823	8.2	2.3	C.Less	Un-Obj	Un-Obj	423	8	300	0	28	42	12	6	150	115	5	4.00	BDL	0.60	BDL	0.06	3.29	+ve	+ve	Unsafe		
129	MAR-129	Mohib Banda	Mohib Banda	Mardan	Moh. Saydan, Ahmad Husain Mosque	T. Well	85	20	902	7.9	0.5	C.Less	Un-Obj	Un-Obj	541	8	390	0	18	0	8	21	170	106	5	1.40	0	0.60	0.01	1.02	6.18	+ve	+ve	Unsafe		
130	MAR-130	Mohib Banda	Mohib Banda	Mardan	Moh. Sadat's Tube Well	T. Well	450	207	528	8.7	0.7	C.Less	Un-Obj	Un-Obj	290	5	250	25	18	27	8	2	30	90	2	0.10	0	1.32	BDL	14.76	2.28	+ve	+ve	Unsafe		
131	MAR-131	Shamozai	Shamozai	Mardan	Moh. Enzari, T. Well	T. Well	350	90	677	8.2	0.0	C.Less	Un-Obj	Un-Obj	37																					

Sr. No	Sample Code	Village	Union Council	Tehsil	Location	Source	Depth (ft)	Water Table Depth (ft)	EC µS/cm	pH	Turbidity	Color	Taste	Odor	TDS	Alkalinity (mg/l)	HCO ₃ ⁻ (mg/l)	CO ₃ ²⁻ (mg/l)	Cl ⁻ (mg/l)	SO ₄ ²⁻ (mg/l)	Ca (mg/l)	Mg (mg/l)	Hardness (mg/l)	Na (mg/l)	K (mg/l)	NO ₃ ⁻ (mg/l)	PO ₄ ³⁻ (mg/l)	F (mg/l)	Fe (mg/l)	As (ppb)	Pb (ppb)	Total Coliform	E.Coli	Safe/Unsafe	Permissible Limit (PQL/CGL)	
																																			NGS	6.5-8.5
191	MAR-191	Alo	Alo	Mardan	Mohallah Koldand, bilal Bacha Home	T.Well	70	27	643	7.3	1.6	C.Less	Un-Obj	Un-Obj	353	7	340	0	9	6	20	36	200	9	1	5.64	0	0.40	0.02	BDL	1.76	+ve	Unsafe	-ve	Safe	
192	MAR-192	Alo	Alo	Mardan	Mohallah Barachan Tube Well	T.Well	100	45	868	7.8	14.0	C.Less	Un-Obj	Un-Obj	532	3	170	0	21	54	40	22	200	136	1	5.76	0	0.34	BDL	0.28	+ve	Unsafe	-ve	Safe		
193	MAR-193	Alo	Alo	Mardan	Mohallah Barachan Home	Well	130	60	784	7.2	0.0	C.Less	Un-Obj	Un-Obj	431	6	300	0	9	8	20	36	200	54	2	2.82	BDL	0.34	BDL	1.03	+ve	Unsafe	-ve	Safe		
194	MAR-194	Alo	Alo	Mardan	Mohallah Barachan Tube Well	T.Well	100	45	868	7.8	14.0	C.Less	Un-Obj	Un-Obj	532	3	170	0	21	54	40	22	200	136	1	5.76	0	0.34	BDL	0.28	+ve	Unsafe	-ve	Safe		
195	MAR-195	Alo	Alo	Mardan	Mohallah Barachan Alangir Hujra	T.Well	120	60	822	7.9	0.0	C.Less	Un-Obj	Un-Obj	452	8	380	0	21	24	4	41	180	26	2	4.90	BDL	0.35	BDL	1.65	+ve	Unsafe	-ve	Safe		
196	MAR-196	Deri	Deri	Mardan	Mohallah Barachan Sadar Ali Shah Home	T.Well	80	45	754	7.8	0.0	C.Less	Un-Obj	Un-Obj	415	6	310	0	28	84	16	24	140	54	1	4.95	0	0.23	BDL	0.98	+ve	Unsafe	-ve	Safe		
197	MAR-197	Deri	Deri	Mardan	Deri Chowk Common H Pump	T.Well	100	45	868	7.8	14.0	C.Less	Un-Obj	Un-Obj	532	3	170	0	21	54	40	22	200	136	1	5.76	0	0.34	BDL	0.28	+ve	Unsafe	-ve	Safe		
198	MAR-198	Deri	Deri	Mardan	Deri Chowk Muhammad Naib Home	T.Well	100	50	961	7.1	0.0	C.Less	Un-Obj	Un-Obj	528	6	290	0	26	52	24	34	200	122	1	3.40	0	0.22	0.01	BDL	0.56	+ve	Unsafe	-ve	Safe	
199	MAR-199	Deri	Deri	Mardan	Basir Khan Home	T.Well	100	45	763	7.7	0.0	C.Less	Un-Obj	Un-Obj	419	7	370	0	21	77	28	24	170	26	1	4.11	0	0.17	0.00	BDL	2.30	+ve	Unsafe	-ve	Safe	
200	MAR-200	Deri	Deri	Mardan	Mohallah Bara Palae Jamal Hujra Shah Sher Banda	T.Well	120	70	733	7.3	0.0	C.Less	Un-Obj	Un-Obj	403	3	170	0	35	72	40	29	220	23	1	3.93	0	0.25	0.00	BDL	0.09	+ve	Unsafe	-ve	Safe	
201	MAR-201	Kotliging I	Kotliging I	Mardan	Govt Degree Degree College Kotliging	T.Well	130	48	862	7.7	0.2	C.Less	Un-Obj	Un-Obj	375	7	370	0	12	18	4	29	130	86	1	3.57	0	0.21	BDL	0.08	2.56	+ve	Unsafe	-ve	Safe	
202	MAR-202	Kotliging I	Kotliging I	Mardan	Govt Higher Secondary School Kotliging	H.Pump	130	45	734	7.9	0.0	C.Less	Un-Obj	Un-Obj	404	5	270	0	16	19	4	34	150	17	1	3.88	BDL	0.13	BDL	0.28	2.26	+ve	Unsafe	-ve	Safe	
203	MAR-203	Kotliging I	Kotliging I	Mardan	Dr. Nisar Khan Clinic Hospital	T.Well	180	30	720	7.3	1.5	C.Less	Un-Obj	Un-Obj	396	8	410	0	12	14	52	68	40	112	1	2.60	BDL	0.12	0.01	BDL	4.19	+ve	Unsafe	-ve	Safe	
204	MAR-204	Kotliging I	Kotliging I	Mardan	Mohallah Wodgram Shahid Israr Home	T.Well	20	5	658	7.2	2.3	C.Less	Un-Obj	Un-Obj	362	5	260	0	12	20	40	55	330	22	3	2.70	BDL	0.18	0.06	0.10	3.56	+ve	Unsafe	-ve	Safe	
205	MAR-205	Kotliging I	Kotliging I	Mardan	Mohallah Wodgram Tube Well	T.Well	100	45	868	7.8	14.0	C.Less	Un-Obj	Un-Obj	532	3	170	0	21	54	40	22	200	136	1	5.76	0	0.34	BDL	0.28	+ve	Unsafe	-ve	Safe		
206	MAR-206	Kotliging II	Kotliging II	Mardan	Inzarigay Hussain Ahmad Home	H.Pump	60	60	534	8.4	0.0	C.Less	Un-Obj	Un-Obj	294	4	180	0	12	9	4	39	170	17	1	3.03	0	0.09	BDL	0.35	1.02	+ve	Unsafe	-ve	Safe	
207	MAR-207	Kotliging II	Kotliging II	Mardan	Bar Mosque Inzarigay	Well	95	60	611	7.0	0.0	C.Less	Un-Obj	Un-Obj	336	8	760	0	71	11	16	39	200	16	1	4.81	0	0.05	0.02	0.03	1.56	+ve	Unsafe	-ve	Safe	
208	MAR-208	Kotliging II	Kotliging II	Mardan	Ali Khader Home Inzarigay	Well	99	60	653	7.3	0.0	C.Less	Un-Obj	Un-Obj	359	7	370	0	7	17	44	170	280	16	1	3.79	0	0.12	0.01	0.27	0.89	+ve	Unsafe	-ve	Safe	
209	MAR-209	Kotliging II	Kotliging II	Mardan	Kuz Inzarigay Near Musharraf Home	H.Pump	130	40	830	7.2	0.1	C.Less	Un-Obj	Un-Obj	456	4	220	0	24	16	28	34	210	23	1	7.20	BDL	0.05	0.01	0.15	4.86	+ve	Unsafe	-ve	Safe	
210	MAR-210	Kotliging II	Kotliging II	Mardan	Inzarigay Hospital B/W	H.Pump	80	40	610	7.9	0.0	C.Less	Un-Obj	Un-Obj	335	4	230	0	7	10	4	31	140	24	1	3.65	0	0.19	0.01	0.04	2.36	+ve	Unsafe	-ve	Safe	
211	MAR-211	Jamal Ghari	Jamal Ghari	Mardan	Mohallah Damronzai	Well	85	45	748	8.3	7.0	C.Less	Un-Obj	Un-Obj	411	4	200	0	53	14	4	5	220	11	10	43.63	0	0.12	0.00	0.33	3.99	+ve	Unsafe	-ve	Safe	
212	MAR-212	Jamal Ghari	Jamal Ghari	Mardan	Moh. Manz Palan, Hiji Israr Muhammad Home	T.Well	84	60	1317	7.7	0.0	C.Less	Un-Obj	Un-Obj	790	14	720	0	191	130	40	80	430	135	6	9.95	0	0.40	BDL	0.33	3.06	+ve	Unsafe	-ve	Safe	
213	MAR-213	Jamal Ghari	Jamal Ghari	Mardan	Moh. Arsh Pallan T. Well	H.Pump	300	60	586	7.4	17.6	C.Less	Un-Obj	Un-Obj	322	8	400	0	7	10	12	41	200	24	2	9.20	0	0.21	0.01	0.34	10.76	+ve	Unsafe	-ve	Safe	
214	MAR-214	Jamal Ghari	Jamal Ghari	Mardan	Moh. Manz Palan, Yaqoob Than	H.Pump	70	60	1581	7.6	5.0	C.Less	Un-Obj	Un-Obj	948	7	350	0	170	200	96	95	630	158	5	49.00	BDL	0.47	BDL	0.17	3.44	+ve	Unsafe	-ve	Safe	
215	MAR-215	Jamal Ghari	Jamal Ghari	Mardan	Moh. Manz Palan, Ghulam Youraf Home	H.Pump	80	60	1615	7.4	0.0	C.Less	Un-Obj	Un-Obj	969	7	360	0	198	100	92	110	440	98	3	26.00	BDL	0.24	0.01	0.35	3.45	+ve	Unsafe	-ve	Safe	
216	MAR-216	Sawal der	Sawal der	Mardan	Moh. Khattak, Saleem Home	H.Pump	150	100	1322	7.8	0.0	C.Less	Un-Obj	Un-Obj	793	10	480	0	88	120	4	92	390	154	3	19.00	BDL	0.50	BDL	0.04	4.40	+ve	Unsafe	-ve	Safe	
217	MAR-217	Sawal der	Sawal der	Mardan	Moh. Khattak, Sarfaraj Home	H.Pump	150	100	2910	7.3	0.7	C.Less	Un-Obj	Un-Obj	1804	9	450	0	259	370	48	116	600	212	4	6.28	0	0.49	0.01	0.07	26.20	+ve	Unsafe	-ve	Safe	
218	MAR-218	Sawal der	Sawal der	Mardan	Near Main Road, Riaz Home	H.Pump	100	40	1133	8.0	1.5	C.Less	Un-Obj	Un-Obj	680	10	480	0	39	55	4	39	170	168	7	3.42	0	0.43	0.01	0.56	8.01	+ve	Unsafe	-ve	Safe	
219	MAR-219	Sawal der	Sawal der	Mardan	Ramzan Gul Home M. Fataheli, Near Road	T.Well	65	40	1086	7.9	0.1	C.Less	Un-Obj	Un-Obj	651	8	420	0	44	50	4	51	230	135	4	4.43	0	0.52	0.00	0.04	1.83	+ve	Unsafe	-ve	Safe	
220	MAR-220	Sawal der	Sawal der	Mardan	Sawadai Tube Well # 4	H.Pump	360	40	929	7.9	0.0	C.Less	Un-Obj	Un-Obj	511	8	400	0	50	42	12	21	140	115	7	4.11	0	0.41	BDL	0.31	0.03	+ve	Unsafe	-ve	Safe	
221	MAR-221	Fatima	Fatima	Mardan	Moh. Ghari Plaza Fatima, Mukhtar Muhammad Hon	H.Pump	60	12	710	8.1	0.0	C.Less	Un-Obj	Un-Obj	390	8	400	0	21	27	4	36	160	56	3	3.40	0	0.47	BDL	0.42	BDL	+ve	Unsafe	-ve	Safe	
222	MAR-222	Fatima	Fatima	Mardan	Nisar Home Fatima Road	H.Pump	60	15	753	7.3	4.7	C.Less	Un-Obj	Un-Obj	414	8	400	0	9	31	32	53	300	52	3	3.11	0	0.27	0.02	0.20	0.38	+ve	Unsafe	-ve	Safe	
223	MAR-223	Fatima	Fatima	Mardan	BHU Fatima	H.Pump	60	12	675	7.2	1.4	C.Less	Un-Obj	Un-Obj	371	6	290	0	9	25	4	34	150	51	3	3.04	0	0.17	0.00	0.12	BDL	+ve	Unsafe	-ve	Safe	
224	MAR-224	Fatima	Fatima	Mardan	Ghulam Habib Home Moh. Malakaman	T.Well	60	9	721	7.3	0.0	C.Less	Un-Obj	Un-Obj	396	8	375	0	11	26	36	36	240	53	3	2.09	0	0.20	BDL	0.15	1.59	+ve	Unsafe	-ve	Safe	
225	MAR-225	Fatima	Fatima	Mardan	Moh. Sherazad Khan Main T. Well	H.Pump	270	9	846	7.8	0.0	C.Less	Un-Obj	Un-Obj	465	7	330	0	39	58	8	38	180	104	5	6.26	BDL	0.34	BDL	0.19	1.19	+ve	Unsafe	-ve	Safe	
226	MAR-226	Arabi Banad	Sari Behol	Mardan	Jamal Gul Home Near Canal	Well	35	30	1404	7.5	68.0	C.Less	Un-Obj	Un-Obj	442	10	490	0	85	150	8	63	280	168	5	2.70	BDL	0.66	0.01	0.41	3.16	+ve	Unsafe	-ve	Safe	
227	MAR-227	Arabi Banad	Sari Behol	Mardan	Muzaffer Home	H.Pump	38	30	899	7.7	0.0	C.Less	Un-Obj	Un-Obj	494	6	320	0	60	70	20	61	300	52	5	4.51	BDL	0.60	BDL	0.61	1.69	+ve	Unsafe	-ve	Safe	
228																																				

Sr. No	Sample Code	Village	Union Council	Tehsil	Location	Source	Depth (ft)	Water Table Depth (ft)	EC μ S/cm	pH	Turbidity	Color	Taste	Odor	TDS	Alkalinity m.mol/l	HCO ₃ mg/l	CO ₃ mg/l	Cl mg/l	SO ₄ mg/l	Ca mg/l	Mg mg/l	Hardness	Na mg/l	K mg/l	NO ₃ mg/l	PO ₄ mg/l	F mg/l	Fe mg/l	As ppb	Pb ppb	Total Caliform	E.Coli	Safe/ Unsafe			
							Permissible Limit (PSCCL)			NG/S	6.5-8.5	5.0	C.Less	Utr-Cdy	Utr-Cdy	1600	NG/S	NG/S	250	500	NG/S	NG/S	500	200	NG/S	10.00	NG/S	1.50	0.30	50.00	50.00	-ve	-ve	Safe			
							No. of Samples beyond permissible limit			0.00	14.74				5.96	4.56			0.00	4.21			12.63	3.86			0.00	0.00	0.00	0.00	74.04	41.75	79.65				
							No. of Samples beyond permissible limitout of 285			0	42				17	13			0	12			36	11			0	0	0	0	211	119	227				
							Min.			15	3	122	0.0	0.0				104	0	0	5	0	0	0	10	0	0	0.03	0	0.00	0.00	0.00	0.00				
							Avg.			136	45	851	7.8	9.8				518	6	300	8	51	58	23	35	209	82	4	7.51	0	0.53	0.02	1.31	2.60			
							Max.			750	300	6050	9.0	549.0				7664	18	910	80	723	500	260	277	1400	660	40	112.00	0	6.84	0.30	50.00	50.00			