

# مۇسۇلمانلارنىڭ مۇھىم ۋەزىپىسى

مۇسۇلمانلارنىڭ مۇھىم ۋەزىپىسى، ئىسلام دىنىنىڭ مۇھىم ۋەزىپىسى، ئىسلام دىنىنىڭ مۇھىم ۋەزىپىسى



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Pesticides and Insecticides			
Name	Main use	Volume	Market Price
Cypermethrin	Used to spray to worms	250ml	170
Senora		100ml	350
Senora	Insecticide	175ml	435
Prodhane Insecticide	Insecticide	250ml	230
Prodhane Insecticide	Insecticide	500ml	320
Starkle-G	Insecticide	1kg	295
Prefenos (C-Cron)	Insecticide		525
Fungrang (copper hydroxide)	Helps leaves to gain protein and growth	500g	235
N+Mancozeb (Maaka)	Contact fungicide	50g	180
Besilas Thrinjensis (BT)	Control worms	100g	185
Neemaxe	Insecticide	1ltr	
Mapa Diazinon 60	Insecticide	100ml	80
Mapa Diazinon 60	Insecticide	1 ltr	420
Clipper 20SL	Insecticide	1 ltr	350
Asgurd	Insecticide	1 ltr	520
Abamectin (Rihakuru beys)	Insecticide	100ml	85
Abamectin (Rihakuru beys)	Insecticide	1 ltr	440
Acetamiprid	Insecticide	1 ltr	490
Folicur Tebuconazole	Lack of iron in leaves, nutrient deficiency	250ml	275
Imidiclopreed	Used for pesticides and plant growth deficiency	100ml	400
Dhan Preet	Koodi beys	100g	115
Dhan Preet	Koodi beys	500g	600
Pager	Koodi beys	250g	430
Thiram	Used for fungus	100g	135
Thiram	Used for fungus	500g	465
Cypermethrin 25 EC	Insecticide	1 ltr	520
Antracol	Contact fungicide	100g	90

Fertilizers			
Name	Main use	Volume	Market Price
Sulphur	Helps plant growth and greenery	1kg	225
Sulphur (BK)	Helps plant growth and greenery	1kg	170
Sulphur	Helps plant growth and greenery	500g	145
Maxicrop	Foliar Nutrient	400ml	170
Floral 20-20-20	Plant growth at all stages	2.5kg	300
Greenleaf 12.48.8	Foliar fertilizer promoting of flowering		135
Yaara Mila 8.24.24	Plant fertilizer (oh kaana)	1kg	45
NPK 12.12.36 (Florin)	Plant fertilizer (oh kaana)	1kg	75
Yaara Mila 12.11.18	Plant fertilizer (oh kaana)	1kg	55
NPK 27.6.6	Plant fertilizer (oh kaana)	1kg	35
Neu NPK 12.11.18	Plant fertilizer (oh kaana)	1kg	30
Ammonium	Plant fertilizer	1kg	35
Potassium	Plant fertilizer	1kg	35
Neu NPK 12.12.17	Plant fertilizer (oh kaana)	1kg	30
TSP	Plant fertilizer	1kg	55

Table 3.1: Market prices of various pesticides and fertilizers used in agriculture. (Data collected from various sources and updated as of 2023)

















קריטריונים לשימוש במוצרים אלו, ויש להשתמש בהם באופן זהיר. המטרה היא להבטיח את בטיחותם ויעילותם, ולמנוע את הסיכונים הקשורים בהם. המטרה היא להבטיח את בטיחותם ויעילותם, ולמנוע את הסיכונים הקשורים בהם. המטרה היא להבטיח את בטיחותם ויעילותם, ולמנוע את הסיכונים הקשורים בהם.

• דיווח על אירועים שליליים במהלך השימוש במוצרים אלו (Raheja et al., 2024)

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• זיהוי סיכונים ופיקוח על מוצרים אלו (Parker et al., 2023)

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108 זיהויים נוספים, 59 מהם קשורים לשימוש במוצרים אלו. המטרה היא להבטיח את בטיחותם ויעילותם, ולמנוע את הסיכונים הקשורים בהם. המטרה היא להבטיח את בטיחותם ויעילותם, ולמנוע את הסיכונים הקשורים בהם. המטרה היא להבטיח את בטיחותם ויעילותם, ולמנוע את הסיכונים הקשורים בהם.

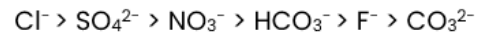
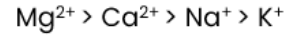
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• **فصلنامه علمی پژوهشی زمین‌شناسی و منابع طبیعی، دوره ۱۳، شماره ۱، زمستان ۱۳۹۸**

(et al., 2023)

در این مطالعه، برای تعیین کیفیت آب‌های زیرزمینی، از شاخص‌های کیفی آب‌های زیرزمینی (WQI) و شاخص کیفیت آب‌های زیرزمینی (WQAR) استفاده شد. نتایج نشان داد که آب‌های زیرزمینی در این منطقه دارای کیفیت مناسبی است و می‌تواند برای مصارف خانگی و کشاورزی استفاده شود. همچنین، نتایج نشان داد که آب‌های زیرزمینی در این منطقه دارای کمبود کلسیم و منگنز است.

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(Shahmirnoori et al., 2023)

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جدول 3.9: درستی و غیره محدودیت‌های آبیاری بر اساس EC<sub>w</sub> و SAR (Epa et al., 2004)

Potential Irrigation Problem	Units	Degree of Restriction on Irrigation			
		None	Slight to Moderate	Severe	
<b>Salinity</b> (affects crop water availability) <sup>2</sup>					
EC <sub>w</sub>	dS/m	< 0.7	0.7 – 3.0	> 3.0	
TDS	mg/L	< 450	450 – 2000	> 2000	
<b>Infiltration</b> (affects infiltration rate of water into the soil; evaluate using EC <sub>w</sub> and SAR together) <sup>3</sup>					
SAR	0 – 3	and EC <sub>w</sub> =	> 0.7	0.7 – 0.2	< 0.2
	3 – 6		> 1.2	1.2 – 0.3	< 0.3
	6 – 12		> 1.9	1.9 – 0.5	< 0.5
	12 – 20		> 2.9	2.9 – 1.3	< 1.3
	20 – 40		> 5.0	5.0 – 2.9	< 2.9
<b>Specific Ion Toxicity</b> (affects sensitive crops)					
<b>Sodium (Na)<sup>4</sup></b>					
surface irrigation	SAR	< 3	3 – 9	> 9	
sprinkler irrigation	meq/l	< 3	> 3		
<b>Chloride (Cl)<sup>4</sup></b>					
surface irrigation	meq/l	< 4	4 – 10	> 10	
sprinkler irrigation	meq/l	< 3	> 3		
<b>Boron (B)</b>					
	mg/L	< 0.7	0.7 – 3.0	> 3.0	
<b>Miscellaneous Effects</b> (affects susceptible crops)					
<b>Nitrate (NO<sub>3</sub>-N)</b>					
	mg/L	< 5	5 – 30	> 30	
<b>Bicarbonate (HCO<sub>3</sub>)</b>					
	meq/L	< 1.5	1.5 – 8.5	> 8.5	
pH					
<b>Normal Range 6.5 – 8.4</b>					

جدول 3.10: درستی و غیره محدودیت‌های آبیاری بر اساس pH (Epa et al., 2004)

Constituent	Maximum Concentrations for Irrigation (mg/L)	Remarks
Aluminum	5.0	Can cause nonproductiveness in acid soils, but soils at pH 5.5 to 8.0 will precipitate the ion and eliminate toxicity
Arsenic	0.10	Toxicity to plants varies widely, ranging from 12 mg/L for Sudan grass to less than 0.05 mg/L for rice
Beryllium	0.10	Toxicity to plants varies widely, ranging from 5 mg/L for kale to 0.5 mg/L for bush beans
Boron	0.75	Essential to plant growth; sufficient quantities in reclaimed water to correct soil deficiencies. Optimum yields obtained at few-tenths mg/L; toxic to sensitive plants (e.g., citrus) at 1 mg/L. Most grasses are tolerant at 2.0 - 10 mg/L
Cadmium	0.01	Toxic to beans, beets, and turnips at concentrations as low as 0.1 mg/L; conservative limits are recommended
Chromium	0.1	Not generally recognized as an essential element; due to lack of toxicity data, conservative limits are recommended
Cobalt	0.05	Toxic to tomatoes at 0.1 mg/L; tends to be inactivated by neutral and alkaline soils
Copper	0.2	Toxic to a number of plants at 0.1 to 1.0 mg/L
Fluoride	1.0	Inactivated by neutral and alkaline soils
Iron	5.0	Not toxic in aerated soils, but can contribute to soil acidification and loss of phosphorus and molybdenum
Lead	5.0	Can inhibit plant cell growth at very high concentrations
Lithium	2.5	Tolerated by most crops up to 5 mg/L; mobile in soil. Toxic to citrus at low doses—recommended limit is 0.075 mg/L
Manganese	0.2	Toxic to a number of crops at few-tenths to few mg/L in acidic soils
Molybdenum	0.01	Nontoxic to plants; can be toxic to livestock if forage is grown in soils with high molybdenum
Nickel	0.2	Toxic to a number of plants at 0.5 to 1.0 mg/L; reduced toxicity at neutral or alkaline pH
Selenium	0.02	Toxic to plants at low concentrations and to livestock if forage is grown in soils with low levels of selenium
Tin, Tungsten, and Titanium	-	Excluded by plants; specific tolerance levels unknown
Vanadium	0.1	Toxic to many plants at relatively low concentrations
Zinc	2.0	Toxic to many plants at widely varying concentrations; reduced toxicity at increased pH (6 or above) and in fine-textured or organic soils



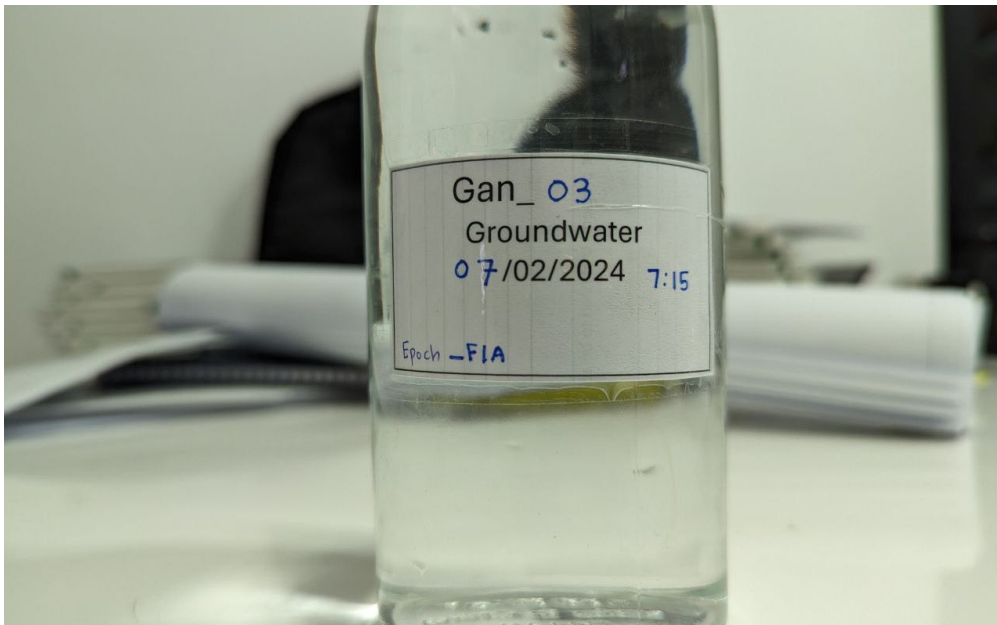




3. **סוגי מים:** סוגי מים (פנימי/ חיצוני/ משותף) נמדדים על ידי גובה המים. גובה המים נמדד על ידי גובה המים במחסור המים. גובה המים נמדד על ידי גובה המים במחסור המים. גובה המים נמדד על ידי גובה המים במחסור המים.

4. **סוגי מים:** סוגי מים (פנימי/ חיצוני/ משותף) נמדדים על ידי גובה המים. גובה המים נמדד על ידי גובה המים במחסור המים. גובה המים נמדד על ידי גובה המים במחסור המים. גובה המים נמדד על ידי גובה המים במחסור המים.

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תמונה 4.2 - מים נמדדים בסוגי מים

סוגי מים (פנימי/ חיצוני/ משותף) נמדדים על ידי גובה המים. גובה המים נמדד על ידי גובה המים במחסור המים. גובה המים נמדד על ידי גובה המים במחסור המים. גובה המים נמדד על ידי גובה המים במחסור המים.

#### 4.1.4 סוגי מים נמדדים

סוגי מים (פנימי/ חיצוני/ משותף) נמדדים על ידי גובה המים. גובה המים נמדד על ידי גובה המים במחסור המים. גובה המים נמדד על ידי גובה המים במחסור המים. גובה המים נמדד על ידי גובה המים במחסור המים.





شرفی هوشیاری، از قوس جزای رزمی سترواست اریس ناموتو.

اماریستو جسترواست قوس از ناموتو جزای جوسیست لایس لایس جریس همتراس عو خو جریس. ج لایس لایس ناموتو استرواست کویس اریس جریس  
عوتاموتو 0 اریس 6 جی سوسوسه اریس کتری جیسترواست اریس کروی جیسترواست سوسوتو استرواست اریس جیسترواست.





گروہ 5.4: من گڑھی حوض نمونی بچہ گناہ نگر پراجیکٹ میں

Gan_01	Gan_02	Gan_03	Gan_04	Gan_05	Gan_06	Gan_07	Gan_08	Gan_09	Gan_10	یونٹ اور پیرامیٹر
29.5	34.6	28.3	28.2	27.7	29.4	27.8	27.8	30.8	30.3	پریشر (°C)
3.4	3.8	3.5	3.2	3.9	3.7	5.1	3.6	4	3.8	تعمیر (ٹریس)
A*	A*	A*	Not A*	A*	A*	A*	A*	A*	A*	ٹرسٹ
0.4	0.2	0.2	0.6	0.2	0.3	1.2	0.2	0.1	0.2	تعمیر (NTU)
378	277	296	545	324	254	353	258	272	318	تعمیر (mg/L)
567	414	443	817.5	483	378	529.5	384	406	477	تعمیر (µs/cm)
0.31	0.25	0.26	0.48	0.26	0.23	0.27	0.23	0.24	0.26	تعمیر (ppt)
6.8	7.7	7.5	7.5	7.7	8.0	8.1	7.9	8.3	8.0	تعمیر
21	31	36	20	31	41	32	22	36	42	تعمیر (mg/L)
<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	تعمیر (mg/L)
4.46	3.13	2.01	0.97	4.42	4.87	3.30	1.32	9.39	4.11	تعمیر (mg/L)
5	<5	5	6	<5	<5	<5	<5	<5	5	تعمیر (mg/L)
19	14	15	21	16	13	17	13	14	16	تعمیر (mg/L)
81	73	75	105	77	71	79	71	73	76	تعمیر (mg/L)
2.5	1.8	2.1	2.9	16	1.5	2.5	1.6	1.7	2.3	تعمیر (mg/L)
<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	تعمیر (mg/L)
10.2	7.8	7.9	18.6	8	7.5	9.9	7.5	7.7	8	تعمیر (mg/L)
21	17	17	21	18	16	18	15	16	17	تعمیر (mg/L)
45	41	43	58	48	40	43	39	42	47	تعمیر (mg/L)
0.08	0.01	0.02	0.02	0.02	<0.005	0.08	<0.005	0.01	0.02	تعمیر (mg/L)
<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	تعمیر (mg/L)
<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	تعمیر (mg/L)
<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	تعمیر (mg/L)
20.8	15.2	18	22.9	18.5	13	20	13	14.5	18.5	تعمیر (mg/L)
5.6	4.1	4.7	5.8	4.8	3.7	5.3	3.7	4	4.8	تعمیر (mg/L)
<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	تعمیر (mg/L)

نوٹ: A\* = ناقص نمونہ

تعمیر = تعمیر، تعمیر = تعمیر، تعمیر = تعمیر، تعمیر = تعمیر، تعمیر = تعمیر، تعمیر = تعمیر، تعمیر = تعمیر، تعمیر = تعمیر، تعمیر = تعمیر، تعمیر = تعمیر



جدول 5:6: جیولاجی و فزیکل پارامیٹرز کی حدود اور جائزہ (3/2)

پانی کی صفائی (mg/L)	کل ٹرسٹ (mg/L)	سولفیڈ (mg/L)	کھار (mg/L)	پانی کی صفائی (mg/L)	کل ٹرسٹ (mg/L)	سولفیڈ (mg/L)	کھار (mg/L)	جیولاجی (mg/L)
<1 رہنما <sup>2</sup>	150-350, <500 رہنما <sup>2</sup>	<1500 رہنما <sup>1</sup>	6.5- 8.5 رہنما <sup>2</sup>	>3 رہنما <sup>3</sup>	<12 رہنما <sup>3</sup>			جیولاجی (FNU)
		<2500 رہنما <sup>1</sup>						
		300-700 <1000 رہنما <sup>2</sup>						
0.74	321	480	0.29	7.85	7.86	120	5.25	15.3
0.20	285	427	0.25	7.88	7.85	39.4	5.00	14.5
1.11	122.1	182	0.09	0.16	0.12	175	0.43	4.03
0.10	197	296	0.22	7.52	7.70	1.49	5.00	10
3.60	621	926	0.52	8.10	8.10	501	6.00	25
1.50	0.380	0.379	0.318	0.021	0.015	1.45	0.082	0.263

جدول 5:7: جیولاجی و فزیکل پارامیٹرز کی حدود اور جائزہ (3/3)

کل ٹرسٹ (mg/L)	سولفیڈ (mg/L)	کھار (mg/L)	پانی کی صفائی (mg/L)	کل ٹرسٹ (mg/L)	سولفیڈ (mg/L)	کھار (mg/L)	جیولاجی (mg/L)
<200 رہنما <sup>2</sup>	<50 رہنما <sup>1,2</sup>	<250 رہنما <sup>1</sup>	<0.3 رہنما <sup>2</sup>	<200 رہنما <sup>2</sup>	0 - 50 رہنما <sup>2</sup>		جیولاجی (mg/L)
<600 رہنما <sup>3</sup>							
93.3	4.19	9.43	18.3	43.4	0.0240	16.8	4.44
73.5	1.85	7.85	18.0	40.0	0.02	16.1	4.30
60.8	6.95	3.97	3.52	8.10	0.01	4.87	1.10
62.0	1.40	7.20	13.0	33.0	0.01	11.1	3.00
275	25.00	20.50	26.0	64.0	0.05	28.5	7.20
0.652	1.658	0.421	0.193	0.187	0.565	0.290	0.249

نوٹ: 1. کل ٹرسٹ = سولفیڈ + کھار + پانی کی صفائی = 0.421 + 0.379 + 0.318 = 1.118۔ 2. سولفیڈ = کل ٹرسٹ - کھار - پانی کی صفائی = 1.118 - 0.379 - 0.318 = 0.421۔ 3. کھار = کل ٹرسٹ - سولفیڈ - پانی کی صفائی = 1.118 - 0.421 - 0.318 = 0.379۔

جدول 5.8: مائے پانی کی کیمیائی اور فزیکل خصوصیات کی جانچ کے نتائج

Isd_01	Isd_02	Isd_03	Isd_04	Isd_05	Isd_06	Isd_07	Isd_08	Isd_09	Isd_10	پیمانہ
28.9	27.5	27.1	27	28	28.1	27.8	28.3	27.9	29.2	درجہ حرارت (°C)
3.8	4.2	4	8.2	3.9	3.8	6.8	3.7	3.7	4	تھامس (°C)
A*	Not A*	A*	A*	A*	A*	A*	A*	A*	A*	گھٹاؤ
0.2	0.1	0.1	3.6	0.2	0.4	2.1	0.3	0.2	0.2	تھورنٹون (NTU)
289	295	240	621	256	197	479	259	294	281	کلورائیڈ (mg/L)
433	441	359	926	381	295.5	714	386	440	420	ہارڈنس (µs/cm)
0.25	0.26	0.23	0.52	0.23	0.22	0.39	0.24	0.26	0.25	تھورنٹون (ppt)
7.5	7.8	7.9	7.7	7.9	8.1	7.7	7.9	8.0	8.0	پہلو
32	35	32	25	25	41	30	35	36	42	نٹریج (mg/L)
<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	نٹریج (mg/L)
2.01	3.36	1.49	49.1	29.6	25.1	501	64.8	101	426	پہلو (mg/L)
<5	5	<5	6	<5	<5	5	<5	5	<5	پہلو (mg/L)
15	15	13	25	13	10	20	13	15	14	پہلو (mg/L)
74	75	70	275	71	62	86	72	75	73	نٹریج (mg/L)
1.9	2	1.4	25	1.6	1.7	2.9	1.6	2	1.8	نٹریج (mg/L)
<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	نٹریج (mg/L)
7.9	7.9	7.5	20.5	7.5	7.2	12.5	7.6	7.8	7.9	نٹریج (mg/L)
18	19	14	22	18	13	26	17	19	17	نٹریج (mg/L)
40	43	39	51	40	33	64	40	44	40	نٹریج (mg/L)
0.02	0.02	<0.005	<0.005	<0.005	<0.005	0.05	<0.005	0.02	0.01	نٹریج (mg/L)
<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	نٹریج (mg/L)
<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	نٹریج (mg/L)
<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	نٹریج (mg/L)
16.3	17.9	12.8	28.5	13	11.1	21.4	13.2	17.9	15.9	نٹریج (mg/L)
4.4	4.6	3.6	7.2	3.7	3	5.3	3.8	4.6	4.2	نٹریج (mg/L)
<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	نٹریج (mg/L)

نوٹ: A\* = قابل قبول

کلورائیڈ = نٹریج، ہارڈنس = کلورائیڈ اور کالسیئم، تھورنٹون = کلورائیڈ اور کالسیئم، تھورنٹون = کلورائیڈ اور کالسیئم، تھورنٹون = کلورائیڈ اور کالسیئم، تھورنٹون = کلورائیڈ اور کالسیئم، تھورنٹون = کلورائیڈ اور کالسیئم







گورنو 5.12: حوالو پورٽرول نيمر ويجھ ۾ ٿيڻ وارو ٺٺو پائيدگي سرٽيفڪيٽ

Kal_01	Kal_02	Kal_03	Kal_04	Kal_05	Kal_06	Kal_07	Kal_08	Kal_09	Kal_10	سٽوڊيو ٽيمپريچر
28.5	30.3	29.2	28.3	28.4	27.7	27.9	27.6	27.3	29.2	ٽيمپريچر (°C)
7.6	3.8	7.2	7.1	4	3.9	3.9	3.3	5.3	6.7	نارو (ٽيمپريچر)
A*	A*	A*	Not A*	A*	A*	A*	A*	A*	A*	ٽيمپريچر
3.7	0.2	2.6	3.5	0.2	0.2	0.2	0.4	1.3	1.6	ٽيمپريچر (NTU)
364	243	188	239	289	302	283	394	204	226	ٽيمپريچر (mg/L)
546	364.5	282	356	432	450	424	591	306	339	ٽيمپريچر (µs/cm)
0.31	0.3	0.2	0.23	0.25	0.26	0.25	0.32	0.21	0.21	ٽيمپريچر (ppt)
8.33	7.94	8.60	8.15	7.89	7.99	7.74	7.70	8.20	8.19	ٽيمپريچر
26	26	51	20	36	35	31	31	42	43	ٽيمپريچر (mg/L)
<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ٽيمپريچر (mg/L)
97.4	120	114	17.5	72.2	36.8	37.8	20.4	5.62	6.64	ٽيمپريچر (mg/L)
5	<5	<5	<5	<5	<5	<5	6	<5	<5	ٽيمپريچر (mg/L)
18	15	9	13	15	15	14	21	11	13	ٽيمپريچر (mg/L)
78	73	62	70	75	76	73	83	65	66	ٽيمپريچر (mg/L)
2.5	1.8	1.6	1.9	1.9	2.2	1.9	2.8	1.7	1.8	ٽيمپريچر (mg/L)
<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ٽيمپريچر (mg/L)
9.7	7.8	7.1	7.5	7.7	8	7.9	10.6	7.3	7.3	ٽيمپريچر (mg/L)
19	17	12	16	17	15	16	21	13	13	ٽيمپريچر (mg/L)
46	42	33	40	42	38	40	45	34	36	ٽيمپريچر (mg/L)
0.07	<0.005	<0.005	<0.005	0.02	0.02	0.01	0.07	<0.005	<0.005	ٽيمپريچر (mg/L)
<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ٽيمپريچر (mg/L)
<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ٽيمپريچر (mg/L)
<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ٽيمپريچر (mg/L)
20	14.6	10.8	12	16.3	18.1	16	20.5	11.5	11.8	ٽيمپريچر (mg/L)
5.2	3.5	2.9	3.5	4.3	4.7	4.2	5.8	3.1	3.2	ٽيمپريچر (mg/L)
<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ٽيمپريچر (mg/L)

ٽيمپريچر: A\* = ٽيمپريچر

ٽيمپريچر = ٽيمپريچر، ٽيمپريچر = ٽيمپريچر، ٽيمپريچر = ٽيمپريچر، ٽيمپريچر = ٽيمپريچر، ٽيمپريچر = ٽيمپريچر، ٽيمپريچر = ٽيمپريچر، ٽيمپريچر = ٽيمپريچر، ٽيمپريچر = ٽيمپريچر، ٽيمپريچر = ٽيمپريچر



مۆھۈم 5.14: مەنەسەتتە مەھسۇلاتلارنىڭ ئۆلچەملىك قىممەتلىرىنىڭ تەكشۈرۈلۈشى (3/2)

سۈيۈش (mg/L)	چۈشۈش (mg/L)	پىس (µS/cm)	سۈيۈش / پىس قاتلامى (ppt)	سۈيۈش (mg/L)	چۈشۈش (mg/L)	پىس (mg/L)	سۈيۈش (mg/L)	چۈشۈش (mg/L)	سۈيۈش (mg/L)
<1 رەتتە 2	150- 350, <500 رەتتە 2	<1500 چىگرە كەڭلىكى رەتتە 1		6.5- 8.5 رەتتە 2		>3 رەتتە 3	<12 رەتتە 3		چىگرە كەڭلىكى
0.64	498	666	0.43	8.05	8.04	4.66	7.00	22.1	ئۆلچەم
0.30	411	425	0.34	8.07	8.05	3.36	6.00	17.5	چۈشۈش
0.94	312	482	0.26	0.27	0.20	3.14	2.45	11.6	پىس
0.20	188	281	0.23	7.65	7.70	1.29	5.00	10.0	سۈيۈش
3.40	1255	1873	1.12	8.59	8.40	10.75	12.00	49.0	سۈيۈش
1.463	0.627	0.724	0.611	0.033	0.024	0.675	0.350	0.526	پىس

مۆھۈم 5.15: مەنەسەتتە مەھسۇلاتلارنىڭ ئۆلچەملىك قىممەتلىرىنىڭ تەكشۈرۈلۈشى (3/3)

سۈيۈش (mg/L)	چۈشۈش (mg/L)	پىس (mg/L)	سۈيۈش / پىس قاتلامى (mg/L)	سۈيۈش (mg/L)	چۈشۈش (mg/L)	پىس (mg/L)	سۈيۈش (mg/L)	چۈشۈش (mg/L)	سۈيۈش (mg/L)
<200 رەتتە 2	<50 رەتتە 1,2	<250 رەتتە 1		<0.3 رەتتە 2		<200 رەتتە 2	0 – 50 رەتتە 2		چىگرە كەڭلىكى
<600 رەتتە 3									
144.1	8.35	15.2	19.6	54.1	0.0671	24.4	5.26		ئۆلچەم
81.0	2.70	10.3	20.5	54.5	0.03	20.6	4.85		چۈشۈش
135.8	12.14	9.68	4.15	15.3	0.05	15.3	2.78		پىس
64	1.60	7.30	13.0	34.0	0.02	10.8	2.00		سۈيۈش
515	35.0	38.0	25.0	87.0	0.15	65.2	11.30		سۈيۈش
0.943	1.454	0.635	0.212	0.283	0.754	0.629	0.529		پىس

ئۆلچەم: ئۆلچەم = سۈيۈش، پىس = سۈيۈش، سۈيۈش / پىس قاتلامى = سۈيۈش / پىس قاتلامى.

سۈيۈش: سۈيۈش = سۈيۈش، چۈشۈش = چۈشۈش، پىس = پىس، سۈيۈش / پىس قاتلامى = سۈيۈش / پىس قاتلامى، سۈيۈش (mg/L) = سۈيۈش (mg/L) × 1000، چۈشۈش (mg/L) = چۈشۈش (mg/L) × 1000، پىس (µS/cm) = پىس (µS/cm) × 1000، سۈيۈش / پىس قاتلامى (ppt) = سۈيۈش (mg/L) / پىس (µS/cm) × 1000. 2017. رەتتە 2 = 2017. رەتتە 2، 2022. رەتتە 3 = 2022. رەتتە 3، سۈيۈش / پىس قاتلامى (ppt) = سۈيۈش (mg/L) / پىس (µS/cm) × 1000. 2019. رەتتە 2 = 2019. رەتتە 2.



5.2 دېرىنلېك تېخنىكىسىنىڭ نەتىجىسى

5.2.1 ج. س. 5.17

قۇرۇقلىق دېرىنلېك تېخنىكىسىنىڭ نەتىجىسى ھۆججەتتە بىر سەۋەب ئىشلىتىش ئارقىلىق ھۆججەتتە بىر سەۋەب ئىشلىتىش 10 ھۆججەتتە بىر سەۋەب ئىشلىتىش نەتىجىسىنى كۆرسىتىدۇ. 5.17 ج. س. نەتىجىسى تەكشۈرۈلگەن.

5.17: ج. س. نەتىجىسىنىڭ دېرىنلېك تېخنىكىسىنىڭ نەتىجىسى

سەۋەب ئىشلىتىش نەتىجىسى (MPN/ 100mL)	پىلان تېخنىكىسى (MPN/ 100mL)	نەتىجىسى دېرىنلېك تېخنىكىسى
Gan_01	12	12
Gan_02	326	124
Gan_03	2420	
Gan_04	>2420	>2420
Gan_05	>2420	378
Gan_06	>2420	
Gan_07	>2420	>2420
Gan_08	>2420	>2420
Gan_09	>2420	>2420
Gan_10	>2420	>2420

5.2.2 ج. س. 5.18

قۇرۇقلىق دېرىنلېك تېخنىكىسىنىڭ نەتىجىسى ھۆججەتتە بىر سەۋەب ئىشلىتىش ئارقىلىق ھۆججەتتە بىر سەۋەب ئىشلىتىش 10 ھۆججەتتە بىر سەۋەب ئىشلىتىش نەتىجىسىنى كۆرسىتىدۇ. 5.18 ج. س. نەتىجىسى تەكشۈرۈلگەن.

5.18: ج. س. نەتىجىسىنىڭ دېرىنلېك تېخنىكىسىنىڭ نەتىجىسى

سەۋەب ئىشلىتىش نەتىجىسى (MPN/ 100mL)	پىلان تېخنىكىسى (MPN/ 100mL)	نەتىجىسى دېرىنلېك تېخنىكىسى
Isd_01	>2420	138
Isd_02	>2420	>2420
Isd_03	>2420	>2420
Isd_04	>2420	866
Isd_05	>2420	921
Isd_06	>2420	>2420
Isd_07	>2420	>2420
Isd_08	>2420	173
Isd_09	>2420	>2420
Isd_10	>2420	>2420

5.2.3 ج. س. 5.19

قۇرۇقلىق دېرىنلېك تېخنىكىسىنىڭ نەتىجىسى ھۆججەتتە بىر سەۋەب ئىشلىتىش ئارقىلىق ھۆججەتتە بىر سەۋەب ئىشلىتىش 10 ھۆججەتتە بىر سەۋەب ئىشلىتىش نەتىجىسىنى كۆرسىتىدۇ. 5.19 ج. س. نەتىجىسى تەكشۈرۈلگەن.

5.19: ج. س. نەتىجىسىنىڭ دېرىنلېك تېخنىكىسىنىڭ نەتىجىسى







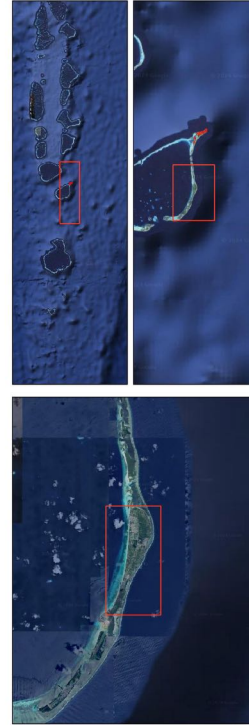
مذکورہ 6.1: تقریباً 2022ء کے سربے کے اعداد و شمار کے ساتھ ساتھ پانی کے کیمیائی پیرامیٹرز کی جانچ کے لیے (نومبر، 2023)

پیمانہ 1	پیمانہ 2	پیمانہ 3	پیمانہ 4	پیمانہ 5	پیمانہ 6	پیمانہ 7	پیمانہ 8	پیمانہ 9	پیمانہ 10	پیمانہ 11	سرو
مذکورہ پیمانوں کے اعداد و شمار											سرو
1038	647	877	138.1	778	420	974	1507	1455	438	486	تپاؤ کی شرح (µS/cm)
7.3	7.2	7.1	9.5	7.3	7.7	7.6	7.3	7.2	7.7	7.6	pH
0.51	0.32	0.43	0.07	0.39	0.21	0.49	0.76	0.72	0.22	0.24	• (°) تپاؤ کی شرح
22.4	22.1	21.9	21.8	21.9	22.5	22.3	22.3	22.2	22.2	22.6	(°C) درجہ حرارت
519	324	439	69	389	210	487	754	727	219	243	سربے کی شرح (mg/L)
4.0	3.1	7.8	1.9	10.1	2.5	2.6	1.2	1.3	0.7	0.4	سربے کی شرح (mg/L)
<5 (LoQ 5 µg/L)											سربے کی شرح (µg/L)
0.38	0.16	0.19	0.16	0.59	0.17	0.32	0.13	0.18	0.17	0.09	سربے کی شرح (mg/L)

نوٹ: سربے کی شرح = سربے کی شرح کی تقوین سے



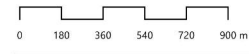
Overview



Legend

- L. Gan Boundary
- WQ L. Gan Sampling Points
- PS L. Gan pump stations
- STP L. Gan Sewerage Treatment Plant

Scale



TITLE

L. Gan Sewerage System Location Map (1)

PROJECT

Ground Water Quality Assessment For Laamu Atoll Isdhooh, Kalaidhoo, Gan & Dhanbidhoo

CLIENT

Ministry of Climate Change, Environment, and Energy

Date: 27 Feb 2024

Drawn by: F.I.A.

Map no: EP/PTC-ES/2023/67/MP-FP/L5

Pg: 1



Data Source for Sewerage System Locations: Fenaka (2023)

Coordinate Systems : WGS 84  
Datum: WGS 84









Fig 6.2: Isdhoo Sewerage System Locations Map

6.2.2 ڊاٽا سارڻ ۽ ڊاٽا تجزيو

ڊاٽا سارڻ جا ٽي ڪارڻ آهن: 1. ڊاٽا سارڻ جا ٽي ڪارڻ آهن، ڇو ته ان جي ذريعي اسان کي پتو چلندو ته ڇا ڪو به ڊاٽا سارڻ سٺو ڪم ڪري رهيو آهي يا نه. 2. ڊاٽا سارڻ جا ٽي ڪارڻ آهن، ڇو ته ان جي ذريعي اسان کي پتو چلندو ته ڇا ڪو به ڊاٽا سارڻ سٺو ڪم ڪري رهيو آهي يا نه. 3. ڊاٽا سارڻ جا ٽي ڪارڻ آهن، ڇو ته ان جي ذريعي اسان کي پتو چلندو ته ڇا ڪو به ڊاٽا سارڻ سٺو ڪم ڪري رهيو آهي يا نه. (Hajare et al., 2021b) ڊاٽا سارڻ جا ٽي ڪارڻ آهن، ڇو ته ان جي ذريعي اسان کي پتو چلندو ته ڇا ڪو به ڊاٽا سارڻ سٺو ڪم ڪري رهيو آهي يا نه. ڊاٽا سارڻ جا ٽي ڪارڻ آهن، ڇو ته ان جي ذريعي اسان کي پتو چلندو ته ڇا ڪو به ڊاٽا سارڻ سٺو ڪم ڪري رهيو آهي يا نه.

ڊاٽا سارڻ جا ٽي ڪارڻ آهن: 1. ڊاٽا سارڻ جا ٽي ڪارڻ آهن، ڇو ته ان جي ذريعي اسان کي پتو چلندو ته ڇا ڪو به ڊاٽا سارڻ سٺو ڪم ڪري رهيو آهي يا نه. 2. ڊاٽا سارڻ جا ٽي ڪارڻ آهن، ڇو ته ان جي ذريعي اسان کي پتو چلندو ته ڇا ڪو به ڊاٽا سارڻ سٺو ڪم ڪري رهيو آهي يا نه. 3. ڊاٽا سارڻ جا ٽي ڪارڻ آهن، ڇو ته ان جي ذريعي اسان کي پتو چلندو ته ڇا ڪو به ڊاٽا سارڻ سٺو ڪم ڪري رهيو آهي يا نه. (Isd\_02, Isd\_03, Isd\_06, Isd\_07, Isd\_09, Isd\_10) ڊاٽا سارڻ جا ٽي ڪارڻ آهن، ڇو ته ان جي ذريعي اسان کي پتو چلندو ته ڇا ڪو به ڊاٽا سارڻ سٺو ڪم ڪري رهيو آهي يا نه. ڊاٽا سارڻ جا ٽي ڪارڻ آهن، ڇو ته ان جي ذريعي اسان کي پتو چلندو ته ڇا ڪو به ڊاٽا سارڻ سٺو ڪم ڪري رهيو آهي يا نه. ڊاٽا سارڻ جا ٽي ڪارڻ آهن، ڇو ته ان جي ذريعي اسان کي پتو چلندو ته ڇا ڪو به ڊاٽا سارڻ سٺو ڪم ڪري رهيو آهي يا نه.







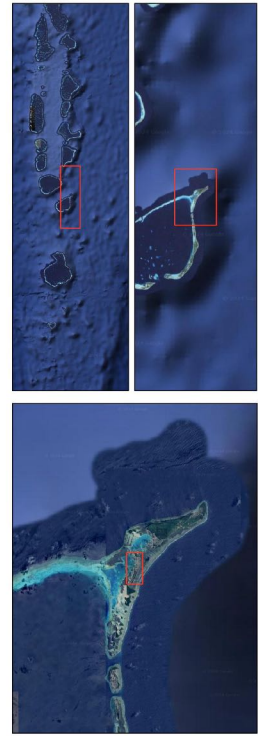








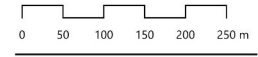
Overview



Legend

- L. Dhanbidoo boundary
- L. Dhanbidoo sampling points
- L. Dhanbidoo pump stations
- L. Dhanbidoo Reed Beds

Scale



TITLE

L. Dhanbidoo Sewerage System Locations Map

PROJECT

Ground Water Quality Assessment For Laamu Atoll Isdhoo, Kalaidhoo, Gan & Dhanbidoo

CLIENT

Ministry of Climate Change, Environment, and Energy

Date: 26 Feb 2024

Drawn by: F.I.A.

Map no: EP/PTC-ES/2023/67/MP-FP/15

Pg : 1



Coordinate Systems : WGS 84  
Datum: WGS 84



ছবি 6.4: ল. ধানবিদ্যুতের স্যানিটেশন সিস্টেমের স্থান (২০২৩)





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- 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1
- 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1
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- 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1

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- 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1

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## 9. تَرْتِيبُ التَّحْقِيقِ

- 1- التَّحْقِيقُ فِي السَّنَةِ الْمَاضِيَةِ (2015 - 2023) بِمُوجِبِ تَحْقِيقِ التَّحْقِيقِ فِي السَّنَةِ الْمَاضِيَةِ
- 2- التَّحْقِيقُ فِي السَّنَةِ الْمَاضِيَةِ بِمُوجِبِ تَحْقِيقِ التَّحْقِيقِ فِي السَّنَةِ الْمَاضِيَةِ
- 3- التَّحْقِيقُ فِي السَّنَةِ الْمَاضِيَةِ بِمُوجِبِ تَحْقِيقِ التَّحْقِيقِ فِي السَّنَةِ الْمَاضِيَةِ
- 4- التَّحْقِيقُ فِي السَّنَةِ الْمَاضِيَةِ بِمُوجِبِ تَحْقِيقِ التَّحْقِيقِ فِي السَّنَةِ الْمَاضِيَةِ
- 5- التَّحْقِيقُ فِي السَّنَةِ الْمَاضِيَةِ بِمُوجِبِ تَحْقِيقِ التَّحْقِيقِ فِي السَّنَةِ الْمَاضِيَةِ
- 6- التَّحْقِيقُ فِي السَّنَةِ الْمَاضِيَةِ بِمُوجِبِ تَحْقِيقِ التَّحْقِيقِ فِي السَّنَةِ الْمَاضِيَةِ

All groundwater quality parameters from review of EIA Reports (2015 – 2023)



Island	Sample	Physical Appearance	Conductivity (µS/cm)	pH	Salinity (ppt)	Temperature (°C)	Total Dissolved Solids (mg/L)	Nitrate (mg/L)	Sulphate (mg/L)	Sulphide (mg/L)	Phosphate (mg/L)	Dissolved Oxygen (mg/L)	Chemical Oxygen Demand (mg/L)	Biological Oxygen Demand (mg/L)	Total Petroleum Hydrocarbon (mg/L)	Total Coliform (MPN/100ml)	Faecal Coliform (MPN/100ml)	Sampled Date
<b>EIA for Proposed Road Development in Gan, Laamu Atoll (2023)</b>																		
Gan	G1	Clear With Particles	745	7.9	0.36	24	372	1	31	<5 (LoQ 5 µg/L)	-	7.46	-	-	<0.036 (LoQ 0.036 mg/L)	411 (13/04/2023 15:00)	-	11-04-2023 3:00 AM
Gan	G2	Clear With Particles	981	7.4	0.48	23.9	490	5.5	42	<5 (LoQ 5 µg/L)	-	5.54	-	-	<0.036 (LoQ 0.036 mg/L)	>2420 (13/04/2023 15:00)	-	11-04-2023 3:00:00 AM
Gan	G3	Clear With Particles	762	7.4	0.38	23.9	381	11.1	29	<5 (LoQ 5 µg/L)	-	5.84	-	-	<0.036 (LoQ 0.036 mg/L)	30 (13/04/2023 15:00)	-	11-04-2023 3:00:00 AM
Gan	G4	Clear With Particles	688	7.1	0.34	24	344	0.8	29	<5 (LoQ 5 µg/L)	-	2.02	-	-	<0.036 (LoQ 0.036 mg/L)	308 (13/04/2023 15:00)	-	11-04-2023 3:00:00 AM
Gan	G5	Clear With Particles	924	7.5	0.46	23.8	462	6.9	27	<5 (LoQ 5 µg/L)	-	6.48	-	-	0.552	980 (13/04/2023 15:00)	-	11-04-2023 3:00:00 AM
<b>EIA for the proposed Causeway Development between Kalaidhoo and Dhanbidhoo, Laamu Atoll (2023)</b>																		
Not Stated	KDGW1	Clear With Particles	-	7.21	0.64	21.5	655	-	-	-	-	-	-	-	-	-	-	11-05-2023 2:30:00 AM
Not Stated	KDGW2	Clear With Particles	-	7.43	0.94	21.7	929	-	-	-	-	-	-	-	-	-	-	11-05-2023 2:42:00 AM
Not Stated	KDGW3	Clear With Particles	-	7.22	0.45	21.8	395	-	-	-	-	-	-	-	-	-	-	11-05-2023 2:59:00 AM
Not Stated	KDGW4	Clear With Particles	-	7.88	0.39	21.6	413	-	-	-	-	-	-	-	-	-	-	11-05-2023 3:20:00 AM
<b>EIA for the Proposed Establishment of water network in L.Gan, L.Isdhoo, L.Kalaidhoo, L.Maamendhoo (2021)</b>																		
Kalaidhoo	G1, G2	Clear With Particles	858	8.09	0.42	23.9	429	-	-	-	-	-	-	-	-	>2420 (15/04/2021 13:00)	78 (15/04/2021 13:00)	14-04-2021 11:00:00 AM
Kalaidhoo	G3	Pale Yellow with Particles	1036	7.38	0.51	24	518	-	-	-	-	-	-	-	-	22 (15/04/2021 13:00)	Not Detected (15/04/2021 13:00)	14-04-2021 11:00:00 AM
Kalaidhoo	G4	Clear With Particles	673	7.37	0.33	24	336	-	-	-	-	-	-	-	-	131 (15/04/2021 13:00)	Not Detected (15/04/2021 13:00)	14-04-2021 11:00:00 AM
Kalaidhoo	G5	Clear With Particles	755	7.21	0.37	24	377	-	-	-	-	-	-	-	-	155 (15/04/2021 13:00)	1 (15/04/2021 13:00)	14-04-2021 11:00:00 AM
Isdhoo	G1, G2	Clear With Particles	536	7.45	0.26	23.9	268	-	-	-	-	-	-	-	-	33 (15/04/2021 13:00)	1 (15/04/2021 13:00)	14-04-2021 11:00:00 AM
Isdhoo	G3	Clear With Particles	549	7.22	0.27	24	275	-	-	-	-	-	-	-	-	27 (15/04/2021 13:00)	Not Detected (15/04/2021 13:00)	14-04-2021 11:00:00 AM
Isdhoo	G4	Clear With Particles	591	7.38	0.29	24	296	-	-	-	-	-	-	-	-	243 (15/04/2021 13:00)	8 (15/04/2021 13:00)	14-04-2021 11:00:00 AM
Isdhoo	G5	Clear With Particles	729	7.28	0.36	24.1	364	-	-	-	-	-	-	-	-	44 (15/04/2021 13:00)	1 (15/04/2021 13:00)	14-04-2021 11:00:00 AM
Gan	G1	Clear With Particles	1972	7.6	1	24.1	986	-	-	-	-	-	-	-	-	113 (15/04/2021 13:00)	54 (15/04/2021 13:00)	14-04-2021 11:00:00 AM
Gan	G2	Pale Yellow with Particles	761	7.41	0.37	24	381	-	-	-	-	-	-	-	-	1120 (15/04/2021 13:00)	3 (15/04/2021 13:00)	14-04-2021 11:00:00 AM
Gan	G3	Clear With Particles	601	7.34	0.29	24	301	-	-	-	-	-	-	-	-	40 (15/04/2021 13:00)	Not Detected (15/04/2021 13:00)	14-04-2021 11:00:00 AM
Gan	G4	Clear With Particles	635	7.44	0.31	23.8	318	-	-	-	-	-	-	-	-	122 (15/04/2021 13:00)	57 (15/04/2021 13:00)	14-04-2021 11:00:00 AM



## Average annual Groundwater quality parameters from review of EIA Reports (2015 – 2023)

Average pH				
year	Dhanbidhoo	Gan	Isdhoo	Kalaidhoo
2017	7.72	-	-	-
2021	7.69	7.45	7.33	7.51
2023	-	7.46	-	-

Average Electrical Conductivity ( $\mu\text{S}/\text{cm}$ )				
year	Dhanbidhoo	Gan	Isdhoo	Kalaidhoo
2017	634	-	-	-
2021	-	992	601	831
2023	-	820	-	-

Average Salinity (ppt)				
year	Dhanbidhoo	Gan	Isdhoo	Kalaidhoo
2017	0.31	-	-	-
2021	0.307	0.493	0.295	0.408
2023	-	0.404	-	-

Average Total Dissolved Solids (mg/L)				
year	Dhanbidhoo	Gan	Isdhoo	Kalaidhoo
2021	313	497	301	415
2023	-	410	-	-

Average Dissolved Oxygen (mg/L)				
year	Dhanbidhoo	Gan	Isdhoo	Kalaidhoo
2021	4.10	-	-	-
2023	-	5.47	-	-

Average Nitrate concentration (mg/L)				
year	Dhanbidhoo	Gan	Isdhoo	Kalaidhoo
2016	-	11.1	-	-
2017	0.6	-	-	-
2023	-	5.06	-	-

<b>Average Sulfate concentration (mg/L)</b>				
<b>year</b>	<b>Dhanbidhoo</b>	<b>Gan</b>	<b>Isdhoo</b>	<b>Kalaidhoo</b>
2023	-	31.6	-	-

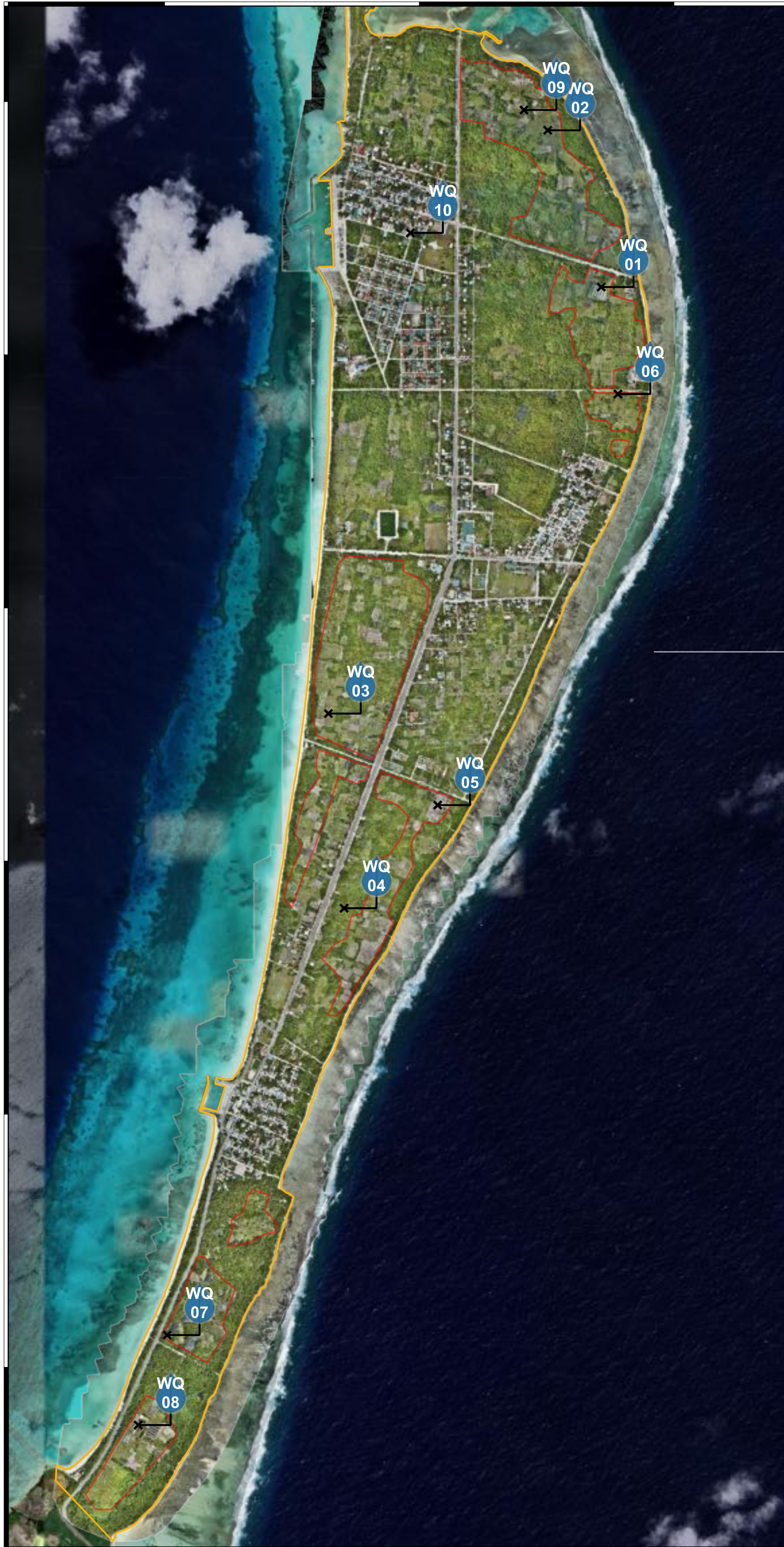
<b>Average Phosphate concentration (mg/L)</b>				
<b>year</b>	<b>Dhanbidhoo</b>	<b>Gan</b>	<b>Isdhoo</b>	<b>Kalaidhoo</b>
2016	-	0.228	-	-

<b>Average Biological Oxygen Demand (mg/L)</b>				
<b>year</b>	<b>Dhanbidhoo</b>	<b>Gan</b>	<b>Isdhoo</b>	<b>Kalaidhoo</b>
2016	-	5.80	-	-

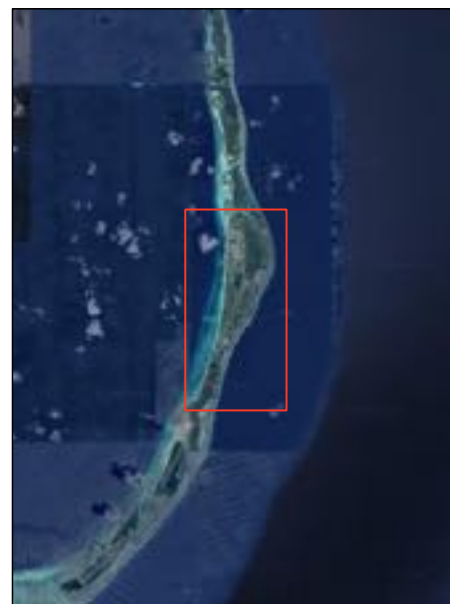
<b>Average Chemical Oxygen Demand (mg/L)</b>				
<b>year</b>	<b>Dhanbidhoo</b>	<b>Gan</b>	<b>Isdhoo</b>	<b>Kalaidhoo</b>
2016	-	19.9	-	-

<b>Average Total Coliform (MPN/ 100mL)</b>				
<b>year</b>	<b>Dhanbidhoo</b>	<b>Gan</b>	<b>Isdhoo</b>	<b>Kalaidhoo</b>
2016	-	1075	-	-
2021	1211	349	86.8	682
2023	-	830	-	-

<b>Average Faecal Coliform (MPN/ 100mL)</b>				
<b>year</b>	<b>Dhanbidhoo</b>	<b>Gan</b>	<b>Isdhoo</b>	<b>Kalaidhoo</b>
2016	-	823	-	-
2021	867	28.5	2.5	19.75



Overview



Legend

- L. Gan Boundary
- L. Gan Agriculture Zones
- × L. Gan Sampling Points

Scale



TITLE

L. Gan Sampling Points Map (1)

PROJECT

Ground Water Quality Assessment For Laamu Atoll Isdhoo, Kalaidhoo, Gan & Dhanbidhoo

CLIENT

Ministry of Climate Change, Environment, and Energy

Date: 25 Feb 2024

Drawn by: F.I.A.

Map no: EP/PTC-ES/2023/67/MP-FP/11

Pg : 1

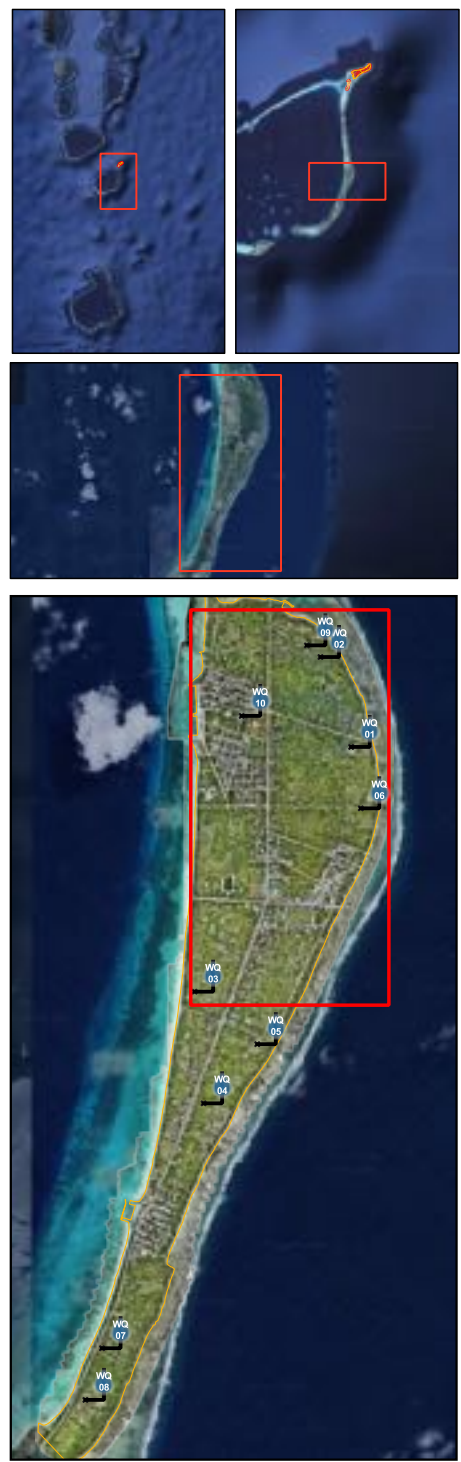


Coordinate Systems : WGS 84  
Datum: WGS 84





Overview



DATA ID	Longitude	Latitude
wq01	73.55038	1.93206
wq02	73.54815	1.93862
wq03	73.53904	1.91419
wq06	73.55108	1.92758
wq09	73.54716	1.93947
wq10	73.54244	1.93432

Legend

- L.Gan Boundary
- L. Gan Agriculture Zones
- L. Gan Sampling Points

Scale



TITLE

L. Gan Sampling Points Map (2)

PROJECT

Ground Water Quality Assessment For Laamu Atoll Isdhoo, Kalaidhoo, Gan & Dhanbidhoo

CLIENT

Ministry of Climate Change, Environment, and Energy

Date: 25 Feb 2024

Drawn by: F.I.A.

Map no: EP/PTC-ES/2023/67/MP-FP/11

Pg : 2



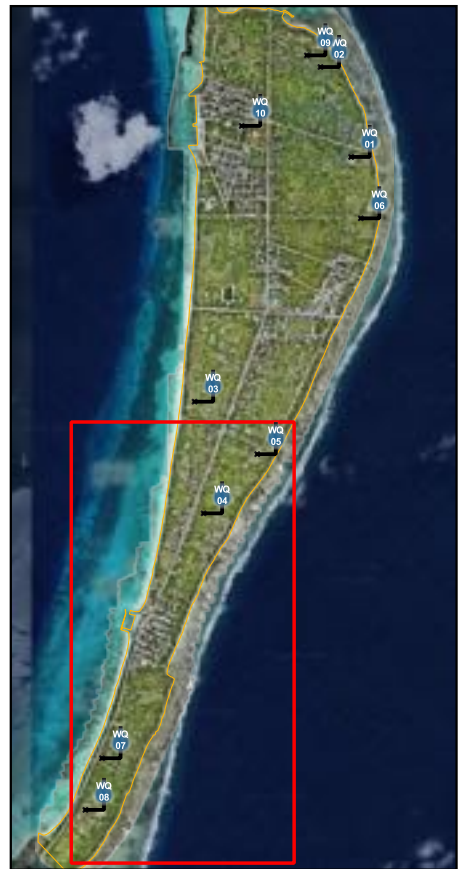
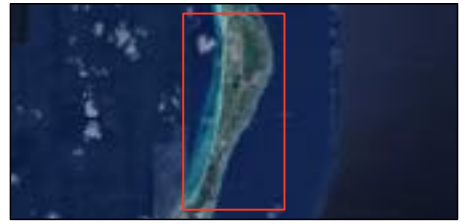
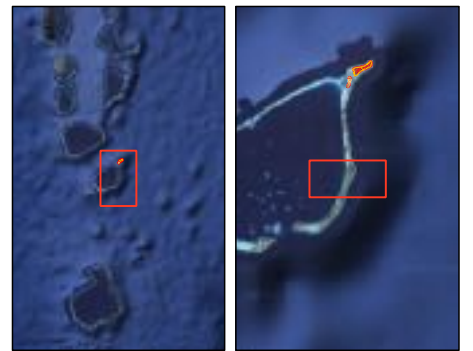
Coordinate Systems : WGS 84  
Datum: WGS 84










Overview

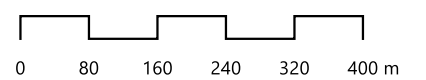


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wq04	73.5397	1.90604
wq05	73.54359	1.91036
wq07	73.53235	1.88816
wq08	73.53115	1.88439

Legend

-  L.Gan Boundary
-  L. Gan Agriculture Zones
-  L. Gan Sampling Points

Scale



TITLE

L. Gan Sampling Points Map (3)

PROJECT

Ground Water Quality Assessment For Laamu Atoll Isdhoo, Kalaidhoo, Gan & Dhanbidhoo

CLIENT

Ministry of Climate Change, Environment, and Energy

Date: 25 Feb 2024

Drawn by: F.I.A.

Map no: EP/PTC-ES/2023/67/MP-FP/11

Pg : 3



Coordinate Systems : WGS 84  
Datum: WGS 84



73°34'2"E

73°34'17"E

73°34'32"E

73°34'47"E

73°35'2"E

2°7'58"N

2°7'58"N

2°7'43"N

2°7'43"N

2°7'27"N

2°7'27"N

2°7'12"N

2°7'12"N

73°34'2"E

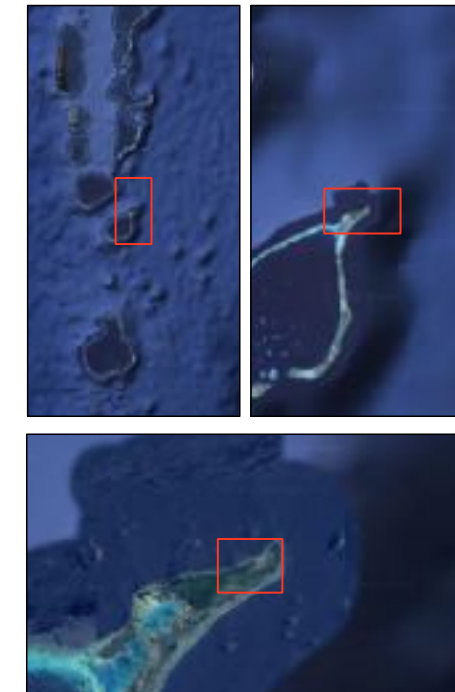
73°34'17"E

73°34'32"E




73°34'47"E

73°35'2"E

Overview



Legend

-  L.Isdhoo Boundary
-  L.Isdhoo Sampling Points
-  L. Isdhoo Agriculture Zones

Scale



TITLE

L.Isdhoo Sampling Locations Map (1)

PROJECT

Ground Water Quality Assessment For Laamu Atoll Isdhoo, Kalaidhoo, Gan & Dhanbidhoo

CLIENT

Ministry of Climate Change, Environment, and Energy

Date: 25 Feb 2024

Drawn by: F.I.A.

Map no: EP/PTC-ES/2023/67/MP-FP/13

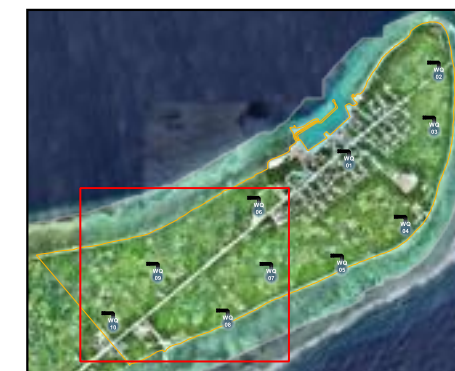
Pg : 1



Coordinate Systems : WGS 84  
Datum: WGS 84



Overview

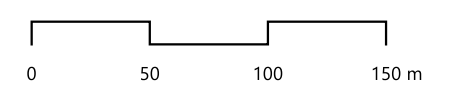


DATA ID	Longitude	Latitude
wq06	73.5763	2.12461
wq07	73.57688	2.12152
wq08	73.57486	2.11934
wq09	73.57161	2.12152
wq10	73.56953	2.11921

Legend

- L.Isdhoo Boundary
- L.Isdhoo Sampling Points
- L. Isdhoo Agriculture Zones

Scale



TITLE

L.Isdhoo Sampling Locations Map (2)

PROJECT

Ground Water Quality Assessment For Laamu Atoll Isdhoo, Kalaidhoo, Gan & Dhanbidhoo

CLIENT

Ministry of Climate Change, Environment, and Energy

Date: 25 Feb 2024

Drawn by: F.I.A.

Map no: EP/PTC-ES/2023/67/MP-FP/13

Pg : 2

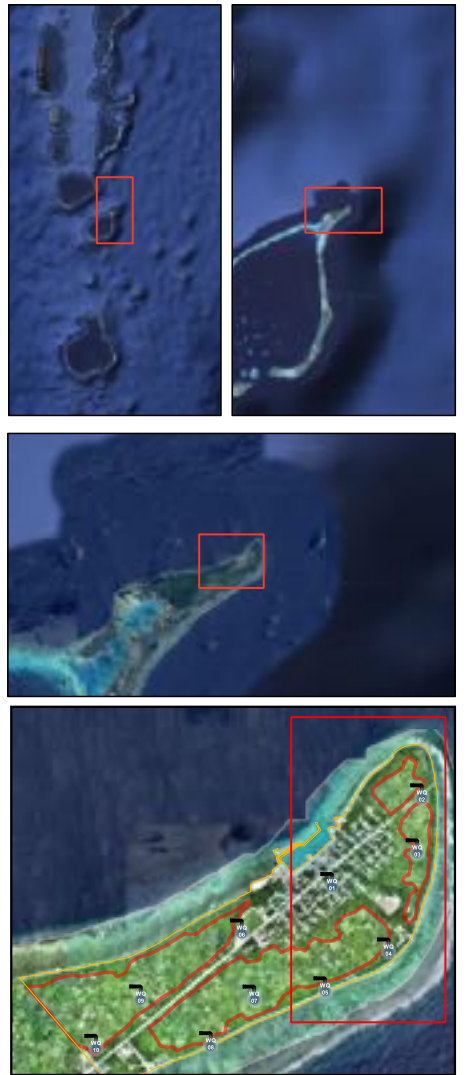


Coordinate Systems : WGS 84  
Datum: WGS 84








Overview

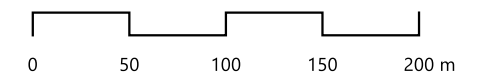


DATA ID	Longitude	Latitude
wq01	73.58049	2.12679
wq02	73.58466	2.13094
wq03	73.58445	2.12837
wq04	73.58312	2.12373
wq05	73.58017	2.12191

Legend

-  L.Isdhoo Boundary
-  L.Isdhoo Sampling Points
-  L. Isdhoo Agriculture Zones

Scale



TITLE

L. Isdhoo Sampling Points Map (3)

PROJECT

Ground Water Quality Assessment For Laamu Atoll Isdhoo, Kalaidhoo, Gan & Dhanbidhoo

CLIENT

Ministry of Climate Change, Environment, and Energy

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Drawn by: F.I.A.

Map no: EP/PTC-ES/2023/67/MP-FP/13

Pg : 3



Coordinate Systems : WGS 84  
Datum: WGS 84



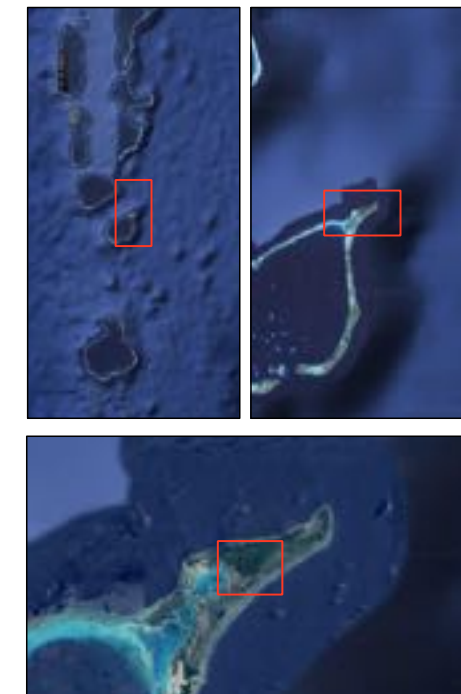
73°33'17"E

73°33'32"E




73°33'47"E

73°34'2"E

Overview



Legend

-  L. Kalaidhoo Boundary
-  L. Kalaidhoo Agriculture Zones
-  L. Kalaidhoo Sampling Points

Scale



TITLE

L. Kalaidhoo Sampling Map (1)

PROJECT

Ground Water Quality Assessment For Laamu Atoll Isdhoo, Kalaidhoo, Gan & Dhanbidhoo

CLIENT

Ministry of Climate Change, Environment, and Energy

Date: 25 Feb 2024

Drawn by: F.I.A.

Map no: EP/PTC-ES/2023/67/MP-FP/12

Pg : 1



Coordinate Systems : WGS 84  
Datum: WGS 84



2°7'12"N

2°7'12"N

2°6'56"N

2°6'56"N

2°6'41"N

2°6'41"N

2°6'25"N

2°6'25"N

73°33'17"E

73°33'32"E

73°33'47"E




73°34'2"E

Overview

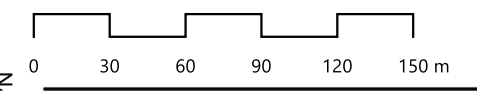


DATA ID	Longitude	Latitude
wq01	73.56722	2.11708
wq02	73.56818	2.11662
wq03	73.56825	2.11985
wq04	73.56522	2.11406

Legend

-  L. Kalaidhoo Boundary
-  L. Kalaidhoo Agriculture Zones
-  L. Kalaidhoo Sampling Points

Scale



TITLE

L. Kalaidhoo Sampling Map (2)

PROJECT

Ground Water Quality Assessment For Laamu Atoll Isdhoo, Kalaidhoo, Gan & Dhanbidhoo

CLIENT

Ministry of Climate Change, Environment, and Energy

Date: 25 Feb 2024

Drawn by: F.I.A.

Map no: EP/PTC-ES/2023/67/MP-FP/12

Pg : 2



Coordinate Systems : WGS 84  
Datum: WGS 84



2°7'12"N

2°7'12"N

2°6'56"N

2°6'56"N



2°7'12"N

2°7'12"N



2°6'34"N




2°6'34"N

Overview



DATA ID	Longitude	Latitude
wq05	73.55971	2.11137
wq06	73.55643	2.11765
wq07	73.55786	2.11906
wq08	73.561	2.11927
wq09	73.55859	2.11461
wq10	73.55787	2.10822

Legend

-  L. Kalaidhoo Boundary
-  L. Kalaidhoo Agriculture Zones
-  L. Kalaidhoo Sampling Points

Scale



TITLE

L. Kalaidhoo Sampling Points Map (3)

PROJECT

Ground Water Quality Assessment For Laamu Atoll Isdhoo, Kalaidhoo, Gan & Dhanbidhoo

CLIENT

Ministry of Climate Change, Environment, and Energy

Date: 25 Feb 2024

Drawn by: F.I.A.

Map no: EP/PTC-ES/2023/67/MP-FP/12

Pg : 3



Coordinate Systems : WGS 84  
Datum: WGS 84





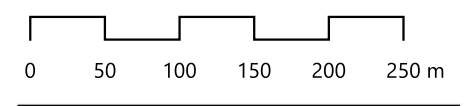
Overview



Legend

- L.Dhanbidhoo Boundary
- ✕ L.Dhanbidhoo sampling points
- Dhanbidhoo Agriculture Zones

Scale



TITLE

L.Dhanbidhoo Sampling Points Map (1)

PROJECT

Ground Water Quality Assessment For Laamu Atoll Isdhoo, Kalaidhoo, Gan & Dhanbidhoo

CLIENT

Ministry of Climate Change, Environment, and Energy

Date: 25 Feb 2024

Drawn by: F.I.A.

Map no: EP/PTC-ES/2023/67/MP-FP/14

Pg : 1



Coordinate Systems : WGS 84  
Datum: WGS 84










Overview

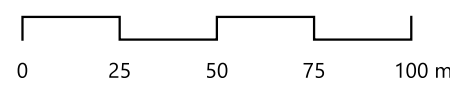


DATA ID	Longitude	Latitude
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wq02	73.54212	2.08564
wq03	73.5425	2.08629
wq04	73.5427	2.08672
wq05	73.5433	2.08867
wq06	73.5443	2.09014

Legend

-  L.Dhanbidhoo Boundary
-  L.Dhanbidhoo sampling points
-  Dhanbidhoo Agriculture Zones

Scale



TITLE

L.Dhanbidhoo Sampling Points Map (2)

PROJECT

Ground Water Quality Assessment For Laamu Atoll Isdhoo, Kalaidhoo, Gan & Dhanbidhoo

CLIENT

Ministry of Climate Change, Environment, and Energy

Date: 25 Feb 2024

Drawn by: F.I.A.

Map no: EP/PTC-ES/2023/67/MP-FP/14

Pg : 2



Coordinate Systems : WGS 84  
Datum: WGS 84








Overview

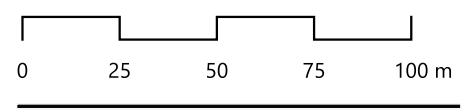


DATA ID	Longitude	Latitude
wq07	73.54584	2.09688
wq08	73.54604	2.10155
wq09	73.54552	2.10114
wq10	73.54652	2.10034

Legend

-  L.Dhanbidhoo Boundary
-  L.Dhanbidhoo sampling points
-  Dhanbidhoo Agriculture Zones

Scale



TITLE

L.Dhanbidhoo Sampling Points Map (3)

PROJECT

Ground Water Quality Assessment For Laamu Atoll Isdhoo, Kalaidhoo, Gan & Dhanbidhoo

CLIENT

Ministry of Climate Change, Environment, and Energy

Date: 25 Feb 2024

Drawn by: F.I.A.

Map no: EP/PTC-ES/2023/67/MP-FP/14

Pg : 3



Coordinate Systems : WGS 84  
Datum: WGS 84



**ISSUED TO**

**Epoch Associates Private Limited**  
G. Rosary West, 3rd Floor, Husnuheena Magu,  
Male' 20101,  
Republic of Maldives

**Sub Contracted by NSURE Private Limited**

**Issue Date: 16.02.2024**

**Sample Collection Date: 06.02.2024**

**Sample Registration Date: 09.02.2024**

**TEST RESULTS**

SAMPLE NAME	TEST PARAMETER	UNITS	RESULTS	**ACCEPTABLE LIMITS	SATISFACTORY / UNSATISFACTORY
Kalai - Ground Water 01	Turbidity	NTU	3.7	--	--
	Temperature	°C	25.3	--	--
	Colour	Hazen	7.6	Max. 5.0	Unsatisfactory
	Electric Conductivity	µs/cm	546	Max 1000	Satisfactory
	pH	--	7.7	6.5-8.5	Satisfactory
	Alkalinity as CaCO <sub>3</sub>	mg/L	26	--	--
	Total Dissolved Solids	mg/L	364	500	Satisfactory
	Dissolved Oxygen	mg/L	6.3	--	--
	Biological Oxygen Demand	mg/L	05	40	--
	Chemical Oxygen Demand	mg/L	18	50	--
	Chloride	mg/L	78	Max 200	Satisfactory
	Nitrates	mg/L	2.5	Max 50	Satisfactory
	Nitrite	mg/L	<0.1	--	--
	Sulphate	mg/L	9.7	Max 250	Satisfactory
	Magnesium as Mg	mg/L	19	30	Satisfactory
	Calcium as Ca	mg/L	46	75	Satisfactory
	Iron as Fe	mg/L	0.07	Max 0.3	Satisfactory
	Ammonia	mg/L	<0.1	Max 0.5	Satisfactory
	Odour	--	Agreeable	Agreeable	Satisfactory
	Acidity	mg/L	<0.1	--	--
Total-Phosphorous	mg/L	<0.1	5.0	Satisfactory	
Total Nitrogen	mg/L	<0.1	100	Satisfactory	
Sodium as Na	mg/L	20	<200	Satisfactory	
Potassium as K	mg/L	5.2	0 - 50	Satisfactory	

Reviewed by  
*[Signature]*  
(Samhitha)



Authorized Signatory  
*[Signature]*  
R. Sekurthala (Microbiology)

<b>Kalai - Ground Water 01 Cont.</b>	Salinity	ppt	0.31	--	--
	Phosphate as PO <sub>4</sub>	mg/L	<0.1	<5	Satisfactory
<b>Kalai - Ground Water 02</b>	Turbidity	NTU	0.2	--	--
	Temperature	°C	25.1	--	--
	Colour	Hazen	3.8	Max. 5.0	Satisfactory
	Electric Conductivity	µs/cm	364.5	Max 1000	Satisfactory
	pH	--	7.7	6.5-8.5	Satisfactory
	Alkalinity as CaCO <sub>3</sub>	mg/L	26	--	--
	Total Dissolved Solids	mg/L	243	500	Satisfactory
	Dissolved Oxygen	mg/L	6.2	--	--
	Biological Oxygen Demand	mg/L	<05	40	--
	Chemical Oxygen Demand	mg/L	15	50	--
	Chloride	mg/L	73	Max 200	Satisfactory
	Nitrates	mg/L	1.8	Max 50	Satisfactory
	Nitrite	mg/L	<0.1	--	--
	Sulphate	mg/L	7.8	Max 250	Satisfactory
	Magnesium as Mg	mg/L	17	30	Satisfactory
	Calcium as Ca	mg/L	42	75	Satisfactory
	Iron as Fe	mg/L	<0.005	Max 0.3	Satisfactory
	Ammonia	mg/L	<0.1	Max 0.5	Satisfactory
	Odour	--	Agreeable	Agreeable	Satisfactory
	Acidity	mg/L	<0.1	--	--
	Total-Phosphorous	mg/L	<0.1	5.0	Satisfactory
	Total Nitrogen	mg/L	<0.1	100	Satisfactory
	Sodium as Na	mg/L	14.6	<200	Satisfactory
Potassium as K	mg/L	3.5	0 – 50	Satisfactory	
Salinity	ppt	0.30	--	--	
Phosphate as PO <sub>4</sub>	mg/L	<0.1	<5	Satisfactory	
<b>Kalai - Ground Water 03</b>	Turbidity	NTU	2.6	--	--
	Temperature	°C	25.2	--	--
	Colour	Hazen	7.2	Max. 5.0	Unsatisfactory
	Electric Conductivity	µs/cm	282	Max 1000	Satisfactory
	pH	--	8.6	6.5-8.5	Unsatisfactory
	Alkalinity as CaCO <sub>3</sub>	mg/L	51	--	--
	Total Dissolved Solids	mg/L	188	500	Satisfactory

<b>Kalai - Ground Water 03 Cont.</b>	Dissolved Oxygen	mg/L	6.4	--	--
	Biological Oxygen Demand	mg/L	<05	40	--
	Chemical Oxygen Demand	mg/L	09	50	--
	Chloride	mg/L	62	Max 200	Satisfactory
	Nitrates	mg/L	1.6	Max 50	Satisfactory
	Nitrite	mg/L	<0.1	--	--
	Sulphate	mg/L	7.1	Max 250	Satisfactory
	Magnesium as Mg	mg/L	12	30	Satisfactory
	Calcium as Ca	mg/L	33	75	Satisfactory
	Iron as Fe	mg/L	<0.005	Max 0.3	Satisfactory
	Ammonia	mg/L	<0.1	Max 0.5	Satisfactory
	Odour	--	Agreeable	Agreeable	Satisfactory
	Acidity	mg/L	<0.1	--	--
	Total-Phosphorous	mg/L	<0.1	5.0	Satisfactory
	Total Nitrogen	mg/L	<0.1	100	Satisfactory
	Sodium as Na	mg/L	10.8	<200	Satisfactory
	Potassium as K	mg/L	2.9	0 – 50	Satisfactory
Salinity	ppt	0.2	--	--	
Phosphate as PO <sub>4</sub>	mg/L	<0.1	<5	Satisfactory	
<b>Kalai - Ground Water 04</b>	Turbidity	NTU	3.5	--	--
	Temperature	°C	25.1	--	--
	Colour	Hazen	7.1	Max. 5.0	Unsatisfactory
	Electric Conductivity	µs/cm	356	Max 1000	Satisfactory
	pH	--	7.5	6.5-8.5	Satisfactory
	Alkalinity as CaCO <sub>3</sub>	mg/L	20	--	--
	Total Dissolved Solids	mg/L	239	500	Satisfactory
	Dissolved Oxygen	mg/L	6.1	--	--
	Biological Oxygen Demand	mg/L	<05	40	--
	Chemical Oxygen Demand	mg/L	13	50	--
	Chloride	mg/L	70	Max 200	Satisfactory
	Nitrates	mg/L	1.9	Max 50	Satisfactory
	Nitrite	mg/L	<0.1	--	--
	Sulphate	mg/L	7.5	Max 250	Satisfactory
Magnesium as Mg	mg/L	16	30	Satisfactory	
Calcium as Ca	mg/L	40	75	Satisfactory	

<b>Kalai - Ground Water 04 Cont.</b>	Iron as Fe	mg/L	<0.005	Max 0.3	Satisfactory
	Ammonia	mg/L	<0.1	Max 0.5	Satisfactory
	Odour	--	Not Agreeable	Agreeable	Unsatisfactory
	Acidity	mg/L	<0.1	--	--
	Total-Phosphorous	mg/L	<0.1	5.0	Satisfactory
	Total Nitrogen	mg/L	<0.1	100	Satisfactory
	Sodium as Na	mg/L	12	<200	Satisfactory
	Potassium as K	mg/L	3.5	0 – 50	Satisfactory
	Salinity	ppt	0.23	--	--
	Phosphate as PO <sub>4</sub>	mg/L	<0.1	<5	Satisfactory
<b>Kalai - Ground Water 05</b>	Turbidity	NTU	0.2	--	--
	Temperature	°C	25.3	--	--
	Colour	Hazen	4.0	Max. 5.0	Satisfactory
	Electric Conductivity	µs/cm	432	Max 1000	Satisfactory
	pH	--	7.9	6.5-8.5	Satisfactory
	Alkalinity as CaCO <sub>3</sub>	mg/L	36	--	--
	Total Dissolved Solids	mg/L	289	500	Satisfactory
	Dissolved Oxygen	mg/L	6.3	--	--
	Biological Oxygen Demand	mg/L	<05	40	--
	Chemical Oxygen Demand	mg/L	15	50	--
	Chloride	mg/L	75	Max 200	Satisfactory
	Nitrates	mg/L	1.9	Max 50	Satisfactory
	Nitrite	mg/L	<0.1	--	--
	Sulphate	mg/L	7.7	Max 250	Satisfactory
	Magnesium as Mg	mg/L	17	30	Satisfactory
	Calcium as Ca	mg/L	42	75	Satisfactory
	Iron as Fe	mg/L	0.02	Max 0.3	Satisfactory
	Ammonia	mg/L	<0.1	Max 0.5	Satisfactory
	Odour	--	Agreeable	Agreeable	Satisfactory
	Acidity	mg/L	<0.1	--	--
	Total-Phosphorous	mg/L	<0.1	5.0	Satisfactory
	Total Nitrogen	mg/L	<0.1	100	Satisfactory
	Sodium as Na	mg/L	16.3	<200	Satisfactory
	Potassium as K	mg/L	4.3	0 – 50	Satisfactory
Salinity	ppt	0.25	--	--	

<b>Kalai - Ground Water 05</b>	Phosphate as PO <sub>4</sub>	mg/L	<0.1	<5	Satisfactory
	Turbidity	NTU	0.2	--	--
	Temperature	°C	25.1	--	--
	Colour	Hazen	3.9	Max. 5.0	Satisfactory
	Electric Conductivity	µs/cm	450	Max 1000	Satisfactory
	pH	--	7.9	6.5-8.5	Satisfactory
	Alkalinity as CaCO <sub>3</sub>	mg/L	35	--	--
	Total Dissolved Solids	mg/L	302	500	Satisfactory
	Dissolved Oxygen	mg/L	6.3	--	--
	Biological Oxygen Demand	mg/L	<05	40	--
	Chemical Oxygen Demand	mg/L	15	50	--
	Chloride	mg/L	76	Max 200	Satisfactory
	<b>Kalai - Ground Water 06</b>	Nitrates	mg/L	2.2	Max 50
Nitrite		mg/L	<0.1	--	--
Sulphate		mg/L	8	Max 250	Satisfactory
Magnesium as Mg		mg/L	15	30	Satisfactory
Calcium as Ca		mg/L	38	75	Satisfactory
Iron as Fe		mg/L	0.02	Max 0.3	Satisfactory
Ammonia		mg/L	<0.1	Max 0.5	Satisfactory
Odour		--	Agreeable	Agreeable	Satisfactory
Acidity		mg/L	<0.1	--	--
Total-Phosphorous		mg/L	<0.1	5.0	Satisfactory
Total Nitrogen		mg/L	<0.1	100	Satisfactory
Sodium as Na		mg/L	18.1	<200	Satisfactory
Potassium as K		mg/L	4.7	0 – 50	Satisfactory
<b>Kalai - Ground Water 07</b>	Salinity	ppt	0.26	--	--
	Phosphate as PO <sub>4</sub>	mg/L	<0.1	<5	Satisfactory
	Turbidity	NTU	0.2	--	--
	Temperature	°C	25.3	--	--
	Colour	Hazen	3.9	Max. 5.0	Satisfactory
	Electric Conductivity	µs/cm	424	Max 1000	Satisfactory
	pH	--	7.8	6.5-8.5	Satisfactory
	Alkalinity as CaCO <sub>3</sub>	mg/L	31	--	--
Total Dissolved Solids	mg/L	283	500	Satisfactory	
Dissolved Oxygen	mg/L	6.3	--	--	

<b>Kalai - Ground Water 07 Cont.</b>	Biological Oxygen Demand	mg/L	<05	40	--
	Chemical Oxygen Demand	mg/L	14	50	--
	Chloride	mg/L	73	Max 200	Satisfactory
	Nitrates	mg/L	1.9	Max 50	Satisfactory
	Nitrite	mg/L	<0.1	--	--
	Sulphate	mg/L	7.9	Max 250	Satisfactory
	Magnesium as Mg	mg/L	16	30	Satisfactory
	Calcium as Ca	mg/L	40	75	Satisfactory
	Iron as Fe	mg/L	0.01	Max 0.3	Satisfactory
	Ammonia	mg/L	<0.1	Max 0.5	Satisfactory
	Odour	--	Agreeable	Agreeable	Satisfactory
	Acidity	mg/L	<0.1	--	--
	Total-Phosphorous	mg/L	<0.1	5.0	Satisfactory
	Total Nitrogen	mg/L	<0.1	100	Satisfactory
	Sodium as Na	mg/L	16	<200	Satisfactory
	Potassium as K	mg/L	4.2	0 – 50	Satisfactory
	Salinity	ppt	0.25	--	--
Phosphate as PO <sub>4</sub>	mg/L	<0.1	<5	Satisfactory	
<b>Kalai - Ground Water 08</b>	Turbidity	NTU	0.4	--	--
	Temperature	°C	25.2	--	--
	Colour	Hazen	3.3	Max. 5.0	Satisfactory
	Electric Conductivity	µs/cm	591	Max 1000	Satisfactory
	pH	--	7.8	6.5-8.5	Satisfactory
	Alkalinity as CaCO <sub>3</sub>	mg/L	31	--	--
	Total Dissolved Solids	mg/L	394	500	Satisfactory
	Dissolved Oxygen	mg/L	6.2	--	--
	Biological Oxygen Demand	mg/L	06	40	--
	Chemical Oxygen Demand	mg/L	21	50	--
	Chloride	mg/L	83	Max 200	Satisfactory
	Nitrates	mg/L	2.8	Max 50	Satisfactory
	Nitrite	mg/L	<0.1	--	--
	Sulphate	mg/L	10.6	Max 250	Satisfactory
	Magnesium as Mg	mg/L	21	30	Satisfactory
Calcium as Ca	mg/L	45	75	Satisfactory	
Iron as Fe	mg/L	0.07	Max 0.3	Satisfactory	

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<b>Kalai - Ground Water 08 Cont.</b>	Ammonia	mg/L	<0.1	Max 0.5	Satisfactory
	Odour	--	Agreeable	Agreeable	Satisfactory
	Acidity	mg/L	<0.1	--	--
	Total-Phosphorous	mg/L	<0.1	5.0	Satisfactory
	Total Nitrogen	mg/L	<0.1	100	Satisfactory
	Sodium as Na	mg/L	20.5	<200	Satisfactory
	Potassium as K	mg/L	5.8	0 – 50	Satisfactory
	Salinity	ppt	0.32	--	--
	Phosphate as PO <sub>4</sub>	mg/L	<0.1	<5	Satisfactory
<b>Kalai - Ground Water 09</b>	Turbidity	NTU	1.3	--	--
	Temperature	°C	25.2	--	--
	Colour	Hazen	5.3	Max. 5.0	Unsatisfactory
	Electric Conductivity	µs/cm	306	Max 1000	Satisfactory
	pH	--	8.2	6.5-8.5	Satisfactory
	Alkalinity as CaCO <sub>3</sub>	mg/L	42	--	--
	Total Dissolved Solids	mg/L	204	500	Satisfactory
	Dissolved Oxygen	mg/L	6.2	--	--
	Biological Oxygen Demand	mg/L	<05	40	--
	Chemical Oxygen Demand	mg/L	11	50	--
	Chloride	mg/L	65	Max 200	Satisfactory
	Nitrates	mg/L	1.7	Max 50	Satisfactory
	Nitrite	mg/L	<0.1	--	--
	Sulphate	mg/L	7.3	Max 250	Satisfactory
	Magnesium as Mg	mg/L	13	30	Satisfactory
	Calcium as Ca	mg/L	34	75	Satisfactory
	Iron as Fe	mg/L	<0.005	Max 0.3	Satisfactory
	Ammonia	mg/L	<0.1	Max 0.5	Satisfactory
	Odour	--	Agreeable	Agreeable	Satisfactory
	Acidity	mg/L	<0.1	--	--
	Total-Phosphorous	mg/L	<0.1	5.0	Satisfactory
	Total Nitrogen	mg/L	<0.1	100	Satisfactory
	Sodium as Na	mg/L	11.5	<200	Satisfactory
	Potassium as K	mg/L	3.1	0 – 50	Satisfactory
	Salinity	ppt	0.21	--	--
Phosphate as PO <sub>4</sub>	mg/L	<0.1	<5	Satisfactory	

<b>Kalai - Ground Water 10</b>	Turbidity	NTU	1.6	--	--
	Temperature	°C	25.1	--	--
	Colour	Hazen	6.7	Max. 5.0	Unsatisfactory
	Electric Conductivity	µs/cm	339	Max 1000	Satisfactory
	pH	--	8.2	6.5-8.5	Satisfactory
	Alkalinity as CaCO <sub>3</sub>	mg/L	43	--	--
	Total Dissolved Solids	mg/L	226	500	Satisfactory
	Dissolved Oxygen	mg/L	6.1	--	--
	Biological Oxygen Demand	mg/L	<05	40	--
	Chemical Oxygen Demand	mg/L	13	50	--
	Chloride	mg/L	66	Max 200	Satisfactory
	Nitrates	mg/L	1.8	Max 50	Satisfactory
	Nitrite	mg/L	<0.1	--	--
	Sulphate	mg/L	7.3	Max 250	Satisfactory
	Magnesium as Mg	mg/L	13	30	Satisfactory
	Calcium as Ca	mg/L	36	75	Satisfactory
	Iron as Fe	mg/L	<0.005	Max 0.3	Satisfactory
	Ammonia	mg/L	<0.1	Max 0.5	Satisfactory
	Odour	--	Agreeable	Agreeable	Satisfactory
	Acidity	mg/L	<0.1	--	--
Total-Phosphorous	mg/L	<0.1	5.0	Satisfactory	
Total Nitrogen	mg/L	<0.1	100	Satisfactory	
Sodium as Na	mg/L	11.8	<200	Satisfactory	
Potassium as K	mg/L	3.2	0 – 50	Satisfactory	
Salinity	ppt	0.21	--	--	
Phosphate as PO <sub>4</sub>	mg/L	<0.1	<5	Satisfactory	
<b>ISDH - Ground Water 01</b>	Turbidity	NTU	0.2	--	--
	Temperature	°C	25.4	--	--
	Colour	Hazen	3.8	Max. 5.0	Satisfactory
	Electric Conductivity	µs/cm	433	Max 1000	Satisfactory
	pH	--	7.8	6.5-8.5	Satisfactory
	Alkalinity as CaCO <sub>3</sub>	mg/L	32	--	--
	Total Dissolved Solids	mg/L	289	500	Satisfactory
	Dissolved Oxygen	mg/L	6.4	--	--
Biological Oxygen Demand	mg/L	<05	40	--	

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<b>ISDH - Ground Water 01 Cont.</b>	Chemical Oxygen Demand	mg/L	15	50	--
	Chloride	mg/L	74	Max 200	Satisfactory
	Nitrates	mg/L	1.9	Max 50	Satisfactory
	Nitrite	mg/L	<0.1	--	--
	Sulphate	mg/L	7.9	Max 250	Satisfactory
	Magnesium as Mg	mg/L	18	30	Satisfactory
	Calcium as Ca	mg/L	40	75	Satisfactory
	Iron as Fe	mg/L	0.02	Max 0.3	Satisfactory
	Ammonia	mg/L	<0.1	Max 0.5	Satisfactory
	Odour	--	Agreeable	Agreeable	Satisfactory
	Acidity	mg/L	<0.1	--	--
	Total-Phosphorous	mg/L	<0.1	5.0	Satisfactory
	Total Nitrogen	mg/L	<0.1	100	Satisfactory
	Sodium as Na	mg/L	16.3	<200	Satisfactory
	Potassium as K	mg/L	4.4	0 – 50	Satisfactory
	<b>ISDH - Ground Water 02</b>	Salinity	ppt	0.25	--
Phosphate as PO <sub>4</sub>		mg/L	<0.1	<5	Satisfactory
Turbidity		NTU	0.1	--	--
Temperature		°C	25.4	--	--
Colour		Hazen	4.2	Max. 5.0	Satisfactory
Electric Conductivity		µs/cm	441	Max 1000	Satisfactory
pH		--	7.9	6.5-8.5	Satisfactory
Alkalinity as CaCO <sub>3</sub>		mg/L	35	--	--
Total Dissolved Solids		mg/L	295	500	Satisfactory
Dissolved Oxygen		mg/L	6.1	--	--
Biological Oxygen Demand		mg/L	05	40	--
Chemical Oxygen Demand		mg/L	15	50	--
Chloride		mg/L	75	Max 200	Satisfactory
Nitrates		mg/L	2	Max 50	Satisfactory
Nitrite		mg/L	<0.1	--	--
Sulphate		mg/L	7.9	Max 250	Satisfactory
Magnesium as Mg	mg/L	19	30	Satisfactory	
Calcium as Ca	mg/L	43	75	Satisfactory	
Iron as Fe	mg/L	0.02	Max 0.3	Satisfactory	
Ammonia	mg/L	<0.1	Max 0.5	Satisfactory	

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<b>ISDH - Ground Water 02 Cont.</b>	Odour	--	Not Agreeable	Agreeable	Unsatisfactory
	Acidity	mg/L	<0.1	--	--
	Total-Phosphorous	mg/L	<0.1	5.0	Satisfactory
	Total Nitrogen	mg/L	<0.1	100	Satisfactory
	Sodium as Na	mg/L	17.9	<200	Satisfactory
	Potassium as K	mg/L	4.6	0 – 50	Satisfactory
	Salinity	ppt	0.26	--	--
	Phosphate as PO <sub>4</sub>	mg/L	<0.1	<5	Satisfactory
<b>ISDH - Ground Water 03</b>	Turbidity	NTU	0.1	--	--
	Temperature	°C	25.2	--	--
	Colour	Hazen	4.0	Max. 5.0	Satisfactory
	Electric Conductivity	µs/cm	359	Max 1000	Satisfactory
	pH	--	7.8	6.5-8.5	Satisfactory
	Alkalinity as CaCO <sub>3</sub>	mg/L	32	--	--
	Total Dissolved Solids	mg/L	240	500	Satisfactory
	Dissolved Oxygen	mg/L	6.1	--	--
	Biological Oxygen Demand	mg/L	<05	40	--
	Chemical Oxygen Demand	mg/L	13	50	--
	Chloride	mg/L	70	Max 200	Satisfactory
	Nitrates	mg/L	1.4	Max 50	Satisfactory
	Nitrite	mg/L	<0.1	--	--
	Sulphate	mg/L	7.5	Max 250	Satisfactory
	Magnesium as Mg	mg/L	14	30	Satisfactory
	Calcium as Ca	mg/L	39	75	Satisfactory
	Iron as Fe	mg/L	<0.005	Max 0.3	Satisfactory
	Ammonia	mg/L	<0.1	Max 0.5	Satisfactory
	Odour	--	Agreeable	Agreeable	Satisfactory
	Acidity	mg/L	<0.1	--	--
	Total-Phosphorous	mg/L	<0.1	5.0	Satisfactory
	Total Nitrogen	mg/L	<0.1	100	Satisfactory
	Sodium as Na	mg/L	12.8	<200	Satisfactory
	Potassium as K	mg/L	3.6	0 – 50	Satisfactory
Salinity	ppt	0.23	--	--	
Phosphate as PO <sub>4</sub>	mg/L	<0.1	<5	Satisfactory	
<b>ISDH - Ground Water 04</b>	Turbidity	NTU	3.6	--	--

<b>ISDH - Ground Water 04 Cont.</b>	Temperature	°C	25.2	--	--
	Colour	Hazen	8.2	Max. 5.0	Unsatisfactory
	Electric Conductivity	µs/cm	926	Max 1000	Satisfactory
	pH	--	7.7	6.5-8.5	Satisfactory
	Alkalinity as CaCO <sub>3</sub>	mg/L	25	--	--
	Total Dissolved Solids	mg/L	621	500	Unsatisfactory
	Dissolved Oxygen	mg/L	6.1	--	--
	Biological Oxygen Demand	mg/L	06	40	--
	Chemical Oxygen Demand	mg/L	25	50	--
	Chloride	mg/L	275	Max 200	Satisfactory
	Nitrates	mg/L	25	Max 50	Satisfactory
	Nitrite	mg/L	<0.1	--	--
	Sulphate	mg/L	20.5	Max 250	Satisfactory
	Magnesium as Mg	mg/L	22	30	Satisfactory
	Calcium as Ca	mg/L	51	75	Satisfactory
	Iron as Fe	mg/L	<0.005	Max 0.3	Satisfactory
	Ammonia	mg/L	<0.1	Max 0.5	Satisfactory
	Odour	--	Agreeable	Agreeable	Satisfactory
	Acidity	mg/L	<0.1	--	--
	Total-Phosphorous	mg/L	<0.1	5.0	Satisfactory
	Total Nitrogen	mg/L	<0.1	100	Satisfactory
	Sodium as Na	mg/L	28.5	<200	Satisfactory
	Potassium as K	mg/L	7.2	0 – 50	Satisfactory
Salinity	ppt	0.52	--	--	
Phosphate as PO <sub>4</sub>	mg/L	<0.1	<5	Satisfactory	
<b>ISDH - Ground Water 05</b>	Turbidity	NTU	0.2	--	--
	Temperature	°C	25.3	--	--
	Colour	Hazen	3.9	Max. 5.0	Satisfactory
	Electric Conductivity	µs/cm	381	Max 1000	Satisfactory
	pH	--	7.7	6.5-8.5	Satisfactory
	Alkalinity as CaCO <sub>3</sub>	mg/L	25	--	--
	Total Dissolved Solids	mg/L	256	500	Satisfactory
	Dissolved Oxygen	mg/L	6.1	--	--
	Biological Oxygen Demand	mg/L	<05	40	--
Chemical Oxygen Demand	mg/L	13	50	--	

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<b>ISDH - Ground Water 05 Cont.</b>	Chloride	mg/L	71	Max 200	Satisfactory
	Nitrates	mg/L	1.6	Max 50	Satisfactory
	Nitrite	mg/L	<0.1	--	--
	Sulphate	mg/L	7.5	Max 250	Satisfactory
	Magnesium as Mg	mg/L	18	30	Satisfactory
	Calcium as Ca	mg/L	40	75	Satisfactory
	Iron as Fe	mg/L	<0.005	Max 0.3	Satisfactory
	Ammonia	mg/L	<0.1	Max 0.5	Satisfactory
	Odour	--	Agreeable	Agreeable	Satisfactory
	Acidity	mg/L	<0.1	--	--
	Total-Phosphorous	mg/L	<0.1	5.0	Satisfactory
	Total Nitrogen	mg/L	<0.1	100	Satisfactory
	Sodium as Na	mg/L	13	<200	Satisfactory
	Potassium as K	mg/L	3.7	0 – 50	Satisfactory
	<b>ISDH - Ground Water 06</b>	Salinity	ppt	0.23	--
Phosphate as PO <sub>4</sub>		mg/L	<0.1	<5	Satisfactory
Turbidity		NTU	0.4	--	--
Temperature		°C	25.3	--	--
Colour		Hazen	3.8	Max. 5.0	Satisfactory
Electric Conductivity		µs/cm	295.5	Max 1000	Satisfactory
pH		--	8.1	6.5-8.5	Satisfactory
Alkalinity as CaCO <sub>3</sub>		mg/L	41	--	--
Total Dissolved Solids		mg/L	197	500	Satisfactory
Dissolved Oxygen		mg/L	6.2	--	--
Biological Oxygen Demand		mg/L	<05	40	--
Chemical Oxygen Demand		mg/L	10	50	--
Chloride		mg/L	62	Max 200	Satisfactory
Nitrates		mg/L	1.7	Max 50	Satisfactory
Nitrite		mg/L	<0.1	--	--
Sulphate	mg/L	7.2	Max 250	Satisfactory	
Magnesium as Mg	mg/L	13	30	Satisfactory	
Calcium as Ca	mg/L	33	75	Satisfactory	
Iron as Fe	mg/L	<0.005	Max 0.3	Satisfactory	
Ammonia	mg/L	<0.1	Max 0.5	Satisfactory	
Odour	--	Agreeable	Agreeable	Satisfactory	

<b>ISDH - Ground Water 06 Cont.</b>	Acidity	mg/L	<0.1	--	--
	Total-Phosphorous	mg/L	<0.1	5.0	Satisfactory
	Total Nitrogen	mg/L	<0.1	100	Satisfactory
	Sodium as Na	mg/L	11.1	<200	Satisfactory
	Potassium as K	mg/L	3	0 – 50	Satisfactory
	Salinity	ppt	0.22	--	--
	Phosphate as PO <sub>4</sub>	mg/L	<0.1	<5	Satisfactory
<b>ISDH - Ground Water 07</b>	Turbidity	NTU	2.1	--	--
	Temperature	°C	25.4	--	--
	Colour	Hazen	6.8	Max. 5.0	Unsatisfactory
	Electric Conductivity	µs/cm	714	Max 1000	Satisfactory
	pH	--	7.8	6.5-8.5	Satisfactory
	Alkalinity as CaCO <sub>3</sub>	mg/L	30	--	--
	Total Dissolved Solids	mg/L	479	500	Satisfactory
	Dissolved Oxygen	mg/L	6	--	--
	Biological Oxygen Demand	mg/L	05	40	--
	Chemical Oxygen Demand	mg/L	20	50	--
	Chloride	mg/L	86	Max 200	Satisfactory
	Nitrates	mg/L	2.9	Max 50	Satisfactory
	Nitrite	mg/L	<0.1	--	--
	Sulphate	mg/L	12.5	Max 250	Satisfactory
	Magnesium as Mg	mg/L	26	30	Satisfactory
	Calcium as Ca	mg/L	64	75	Satisfactory
	Iron as Fe	mg/L	0.05	Max 0.3	Satisfactory
	Ammonia	mg/L	<0.1	Max 0.5	Satisfactory
	Odour	--	Agreeable	Agreeable	Satisfactory
	Acidity	mg/L	<0.1	--	--
	Total-Phosphorous	mg/L	<0.1	5.0	Satisfactory
	Total Nitrogen	mg/L	<0.1	100	Satisfactory
	Sodium as Na	mg/L	21.4	<200	Satisfactory
Potassium as K	mg/L	5.3	0 – 50	Satisfactory	
Salinity	ppt	0.39	--	--	
Phosphate as PO <sub>4</sub>	mg/L	<0.1	<5	Satisfactory	
<b>ISDH - Ground Water 08</b>	Turbidity	NTU	0.3	--	--
	Temperature	°C	25.1	--	--

<b>ISDH - Ground Water 08 Cont.</b>	Colour	Hazen	3.7	Max. 5.0	Satisfactory
	Electric Conductivity	µs/cm	386	Max 1000	Satisfactory
	pH	--	7.9	6.5-8.5	Satisfactory
	Alkalinity as CaCO <sub>3</sub>	mg/L	35	--	--
	Total Dissolved Solids	mg/L	259	500	Satisfactory
	Dissolved Oxygen	mg/L	6.2	--	--
	Biological Oxygen Demand	mg/L	<05	40	--
	Chemical Oxygen Demand	mg/L	13	50	--
	Chloride	mg/L	72	Max 200	Satisfactory
	Nitrates	mg/L	1.6	Max 50	Satisfactory
	Nitrite	mg/L	<0.1	--	--
	Sulphate	mg/L	7.6	Max 250	Satisfactory
	Magnesium as Mg	mg/L	17	30	Satisfactory
	Calcium as Ca	mg/L	40	75	Satisfactory
	Iron as Fe	mg/L	<0.005	Max 0.3	Satisfactory
	Ammonia	mg/L	<0.1	Max 0.5	Satisfactory
	Odour	--	Agreeable	Agreeable	Satisfactory
	Acidity	mg/L	<0.1	--	--
	Total-Phosphorous	mg/L	<0.1	5.0	Satisfactory
	Total Nitrogen	mg/L	<0.1	100	Satisfactory
	Sodium as Na	mg/L	13.2	<200	Satisfactory
Potassium as K	mg/L	3.8	0 – 50	Satisfactory	
Salinity	ppt	0.24	--	--	
Phosphate as PO <sub>4</sub>	mg/L	<0.1	<5	Satisfactory	
<b>ISDH - Ground Water 09</b>	Turbidity	NTU	0.2	--	--
	Temperature	°C	25.3	--	--
	Colour	Hazen	3.7	Max. 5.0	Satisfactory
	Electric Conductivity	µs/cm	440	Max 1000	Satisfactory
	pH	--	7.9	6.5-8.5	Satisfactory
	Alkalinity as CaCO <sub>3</sub>	mg/L	36	--	--
	Total Dissolved Solids	mg/L	294	500	Satisfactory
	Dissolved Oxygen	mg/L	6.1	--	--
	Biological Oxygen Demand	mg/L	05	40	--
	Chemical Oxygen Demand	mg/L	15	50	--
Chloride	mg/L	75	Max 200	Satisfactory	



<b>ISDH - Ground Water 09 Cont.</b>	Nitrates	mg/L	2	Max 50	Satisfactory
	Nitrite	mg/L	<0.1	--	--
	Sulphate	mg/L	7.8	Max 250	Satisfactory
	Magnesium as Mg	mg/L	19	30	Satisfactory
	Calcium as Ca	mg/L	44	75	Satisfactory
	Iron as Fe	mg/L	0.02	Max 0.3	Satisfactory
	Ammonia	mg/L	<0.1	Max 0.5	Satisfactory
	Odour	--	Agreeable	Agreeable	Satisfactory
	Acidity	mg/L	<0.1	--	--
	Total-Phosphorous	mg/L	<0.1	5.0	Satisfactory
	Total Nitrogen	mg/L	<0.1	100	Satisfactory
	Sodium as Na	mg/L	17.9	<200	Satisfactory
	Potassium as K	mg/L	4.6	0 – 50	Satisfactory
	Salinity	ppt	0.26	--	--
	Phosphate as PO <sub>4</sub>	mg/L	<0.1	<5	Satisfactory
<b>ISDH - Ground Water 10</b>	Turbidity	NTU	0.2	--	--
	Temperature	°C	25.3	--	--
	Colour	Hazen	4.0	Max. 5.0	Satisfactory
	Electric Conductivity	µs/cm	420	Max 1000	Satisfactory
	pH	--	8.0	6.5-8.5	Satisfactory
	Alkalinity as CaCO <sub>3</sub>	mg/L	42	--	--
	Total Dissolved Solids	mg/L	281	500	Satisfactory
	Dissolved Oxygen	mg/L	6.4	--	--
	Biological Oxygen Demand	mg/L	<05	40	--
	Chemical Oxygen Demand	mg/L	14	50	--
	Chloride	mg/L	73	Max 200	Satisfactory
	Nitrates	mg/L	1.8	Max 50	Satisfactory
	Nitrite	mg/L	<0.1	--	--
	Sulphate	mg/L	7.9	Max 250	Satisfactory
	Magnesium as Mg	mg/L	17	30	Satisfactory
	Calcium as Ca	mg/L	40	75	Satisfactory
	Iron as Fe	mg/L	0.01	Max 0.3	Satisfactory
	Ammonia	mg/L	<0.1	Max 0.5	Satisfactory
	Odour	--	Agreeable	Agreeable	Satisfactory
	Acidity	mg/L	<0.1	--	--

<b>ISDH - Ground Water 10 Cont.</b>	Total-Phosphorous	mg/L	<0.1	5.0	Satisfactory
	Total Nitrogen	mg/L	<0.1	100	Satisfactory
	Sodium as Na	mg/L	15.9	<200	Satisfactory
	Potassium as K	mg/L	4.2	0 – 50	Satisfactory
	Salinity	ppt	0.25	--	--
	Phosphate as PO <sub>4</sub>	mg/L	<0.1	<5	Satisfactory
<b>GAN - Ground Water - 01</b>	Turbidity	NTU	0.4	--	--
	Temperature	°C	25.2	--	--
	Colour	Hazen	3.4	Max. 5.0	Satisfactory
	Electric Conductivity	µs/cm	567	Max 1000	Satisfactory
	pH	--	7.5	6.5-8.5	Satisfactory
	Alkalinity as CaCO <sub>3</sub>	mg/L	21	--	--
	Total Dissolved Solids	mg/L	378	500	Satisfactory
	Dissolved Oxygen	mg/L	6.3	--	--
	Biological Oxygen Demand	mg/L	05	40	--
	Chemical Oxygen Demand	mg/L	19	50	--
	Chloride	mg/L	81	Max 200	Satisfactory
	Nitrates	mg/L	2.5	Max 50	Satisfactory
	Nitrite	mg/L	<0.1	--	--
	Sulphate	mg/L	10.2	Max 250	Satisfactory
	Magnesium as Mg	mg/L	21	30	Satisfactory
	Calcium as Ca	mg/L	45	75	Satisfactory
	Iron as Fe	mg/L	0.08	Max 0.3	Satisfactory
	Ammonia	mg/L	<0.1	Max 0.5	Satisfactory
	Odour	--	Agreeable	Agreeable	Satisfactory
	Acidity	mg/L	<0.1	--	--
	Total-Phosphorous	mg/L	<0.1	5.0	Satisfactory
	Total Nitrogen	mg/L	<0.1	100	Satisfactory
	Sodium as Na	mg/L	20.8	<200	Satisfactory
	Potassium as K	mg/L	5.6	0 – 50	Satisfactory
Salinity	ppt	0.31	--	--	
Phosphate as PO <sub>4</sub>	mg/L	<0.1	<5	Satisfactory	
<b>GAN - Ground Water - 02</b>	Turbidity	NTU	0.2	--	--
	Temperature	°C	25.1	--	--
	Colour	Hazen	3.8	Max. 5.0	Satisfactory

<b>GAN - Ground Water – 02 Cont.</b>	Electric Conductivity	µs/cm	414	Max 1000	Satisfactory
	pH	--	7.8	6.5-8.5	Satisfactory
	Alkalinity as CaCO <sub>3</sub>	mg/L	31	--	--
	Total Dissolved Solids	mg/L	277	500	Satisfactory
	Dissolved Oxygen	mg/L	6.4	--	--
	Biological Oxygen Demand	mg/L	<05	40	--
	Chemical Oxygen Demand	mg/L	14	50	--
	Chloride	mg/L	73	Max 200	Satisfactory
	Nitrates	mg/L	1.8	Max 50	Satisfactory
	Nitrite	mg/L	<0.1	--	--
	Sulphate	mg/L	7.8	Max 250	Satisfactory
	Magnesium as Mg	mg/L	17	30	Satisfactory
	Calcium as Ca	mg/L	41	75	Satisfactory
	Iron as Fe	mg/L	0.01	Max 0.3	Satisfactory
	Ammonia	mg/L	<0.1	Max 0.5	Satisfactory
	Odour	--	Agreeable	Agreeable	Satisfactory
	Acidity	mg/L	<0.1	--	--
	Total-Phosphorous	mg/L	<0.1	5.0	Satisfactory
	Total Nitrogen	mg/L	<0.1	100	Satisfactory
	Sodium as Na	mg/L	15.2	<200	Satisfactory
Potassium as K	mg/L	4.1	0 – 50	Satisfactory	
Salinity	ppt	0.25	--	--	
Phosphate as PO <sub>4</sub>	mg/L	<0.1	<5	Satisfactory	

\*\* As per Utility Regulatory Authority (Male: Republic of Maldives).

Reviewed by  
  
(Samhitha)



Authorized Signatory  
  
R. Sekunthala (Microbiology)

**ISSUED TO**

**Epoch Associates Private Limited**  
G. Rosary West, 3rd Floor, Husnuheena Magu,  
Male' 20101,  
Republic of Maldives

**Sub Contracted by NSURE Private Limited**

**Issue Date: 16.02.2024**

**Sample Collection Date: 07.02.2024**

**Sample Registration Date: 09.02.2024**

**TEST RESULTS**

SAMPLE NAME	TEST PARAMETER	UNITS	RESULTS	**ACCEPTABLE LIMITS	SATISFACTORY / UNSATISFACTORY
GAN - Ground Water - 03	Turbidity	NTU	0.2	--	--
	Temperature	°C	25.2	--	--
	Colour	Hazen	3.5	Max. 5.0	Satisfactory
	Electric Conductivity	µs/cm	443	Max 1000	Satisfactory
	pH	--	7.9	6.5-8.5	Satisfactory
	Alkalinity as CaCO <sub>3</sub>	mg/L	36	--	--
	Total Dissolved Solids	mg/L	296	500	Satisfactory
	Dissolved Oxygen	mg/L	6.3	--	--
	Biological Oxygen Demand	mg/L	05	40	--
	Chemical Oxygen Demand	mg/L	15	50	--
	Chloride	mg/L	75	Max 200	Satisfactory
	Nitrates	mg/L	2.1	Max 50	Satisfactory
	Nitrite	mg/L	<0.1	--	--
	Sulphate	mg/L	7.9	Max 250	Satisfactory
	Magnesium as Mg	mg/L	17	30	Satisfactory
	Calcium as Ca	mg/L	43	75	Satisfactory
	Iron as Fe	mg/L	0.02	Max 0.3	Satisfactory
	Ammonia	mg/L	<0.1	Max 0.5	Satisfactory
	Odour	--	Agreeable	Agreeable	Satisfactory
	Acidity	mg/L	<0.1	--	--
Total-Phosphorous	mg/L	<0.1	5.0	Satisfactory	
Total Nitrogen	mg/L	<0.1	100	Satisfactory	
Sodium as Na	mg/L	18	<200	Satisfactory	
Potassium as K	mg/L	4.7	0 – 50	Satisfactory	

Reviewed by  
*[Signature]*  
(Samhitha)



Authorized Signatory  
*[Signature]*  
R. Sekunthala (Microbiology)

<b>GAN - Ground Water - 03 Cont.</b>	Salinity	ppt	0.26	--	--
	Phosphate as PO <sub>4</sub>	mg/L	<0.1	<5	Satisfactory
<b>GAN - Ground Water - 04</b>	Turbidity	NTU	0.6	--	--
	Temperature	°C	25.2	--	--
	Colour	Hazen	3.2	Max. 5.0	Satisfactory
	Electric Conductivity	µs/cm	817.5	Max 1000	Satisfactory
	pH	--	7.5	6.5-8.5	Satisfactory
	Alkalinity as CaCO <sub>3</sub>	mg/L	20	--	--
	Total Dissolved Solids	mg/L	545	500	Unsatisfactory
	Dissolved Oxygen	mg/L	6.1	--	--
	Biological Oxygen Demand	mg/L	06	40	--
	Chemical Oxygen Demand	mg/L	21	50	--
	Chloride	mg/L	105	Max 200	Satisfactory
	Nitrates	mg/L	2.9	Max 50	Satisfactory
	Nitrite	mg/L	<0.1	--	--
	Sulphate	mg/L	18.6	Max 250	Satisfactory
	Magnesium as Mg	mg/L	21	30	Satisfactory
	Calcium as Ca	mg/L	58	75	Satisfactory
	Iron as Fe	mg/L	0.02	Max 0.3	Satisfactory
	Ammonia	mg/L	<0.1	Max 0.5	Satisfactory
	Odour	--	Not Agreeable	Agreeable	Unsatisfactory
	Acidity	mg/L	<0.1	--	--
	Total-Phosphorous	mg/L	<0.1	5.0	Satisfactory
	Total Nitrogen	mg/L	<0.1	100	Satisfactory
	Sodium as Na	mg/L	22.9	<200	Satisfactory
Potassium as K	mg/L	5.8	0 – 50	Satisfactory	
Salinity	ppt	0.48	--	--	
Phosphate as PO <sub>4</sub>	mg/L	<0.1	<5	Satisfactory	
<b>GAN - Ground Water - 05</b>	Turbidity	NTU	0.2	--	--
	Temperature	°C	25.1	--	--
	Colour	Hazen	3.9	Max. 5.0	Satisfactory
	Electric Conductivity	µs/cm	483	Max 1000	Satisfactory
	pH	--	7.8	6.5-8.5	Satisfactory
	Alkalinity as CaCO <sub>3</sub>	mg/L	31	--	--
	Total Dissolved Solids	mg/L	324	500	Satisfactory

<b>GAN - Ground Water - 05 Cont.</b>	Dissolved Oxygen	mg/L	6.3	--	--
	Biological Oxygen Demand	mg/L	<05	40	--
	Chemical Oxygen Demand	mg/L	16	50	--
	Chloride	mg/L	77	Max 200	Satisfactory
	Nitrates	mg/L	16	Max 50	Satisfactory
	Nitrite	mg/L	<0.1	--	--
	Sulphate	mg/L	8	Max 250	Satisfactory
	Magnesium as Mg	mg/L	18	30	Satisfactory
	Calcium as Ca	mg/L	48	75	Satisfactory
	Iron as Fe	mg/L	0.02	Max 0.3	Satisfactory
	Ammonia	mg/L	<0.1	Max 0.5	Satisfactory
	Odour	--	Agreeable	Agreeable	Satisfactory
	Acidity	mg/L	<0.1	--	--
	Total-Phosphorous	mg/L	<0.1	5.0	Satisfactory
	Total Nitrogen	mg/L	<0.1	100	Satisfactory
	Sodium as Na	mg/L	18.5	<200	Satisfactory
	Potassium as K	mg/L	4.8	0 – 50	Satisfactory
Salinity	ppt	0.26	--	--	
Phosphate as PO <sub>4</sub>	mg/L	<0.1	<5	Satisfactory	
<b>GAN - Ground Water - 06</b>	Turbidity	NTU	0.3	--	--
	Temperature	°C	25.1	--	--
	Colour	Hazen	3.7	Max. 5.0	Satisfactory
	Electric Conductivity	µs/cm	378	Max 1000	Satisfactory
	pH	--	8.0	6.5-8.5	Satisfactory
	Alkalinity as CaCO <sub>3</sub>	mg/L	41	--	--
	Total Dissolved Solids	mg/L	254	500	Satisfactory
	Dissolved Oxygen	mg/L	6.1	--	--
	Biological Oxygen Demand	mg/L	<05	40	--
	Chemical Oxygen Demand	mg/L	13	50	--
	Chloride	mg/L	71	Max 200	Satisfactory
	Nitrates	mg/L	1.5	Max 50	Satisfactory
	Nitrite	mg/L	<0.1	--	--
	Sulphate	mg/L	7.5	Max 250	Satisfactory
Magnesium as Mg	mg/L	16	30	Satisfactory	
Calcium as Ca	mg/L	40	75	Satisfactory	

<b>GAN - Ground Water - 06 Cont.</b>	Iron as Fe	mg/L	<0.005	Max 0.3	Satisfactory
	Ammonia	mg/L	<0.1	Max 0.5	Satisfactory
	Odour	--	Agreeable	Agreeable	Satisfactory
	Acidity	mg/L	<0.1	--	--
	Total-Phosphorous	mg/L	<0.1	5.0	Satisfactory
	Total Nitrogen	mg/L	<0.1	100	Satisfactory
	Sodium as Na	mg/L	13	<200	Satisfactory
	Potassium as K	mg/L	3.7	0 – 50	Satisfactory
	Salinity	ppt	0.23	--	--
	Phosphate as PO <sub>4</sub>	mg/L	<0.1	<5	Satisfactory
<b>GAN - Ground Water - 07</b>	Turbidity	NTU	1.2	--	--
	Temperature	°C	25.3	--	--
	Colour	Hazen	5.1	Max. 5.0	Unsatisfactory
	Electric Conductivity	µs/cm	529.5	Max 1000	Satisfactory
	pH	--	7.8	6.5-8.5	Satisfactory
	Alkalinity as CaCO <sub>3</sub>	mg/L	32	--	--
	Total Dissolved Solids	mg/L	353	500	Satisfactory
	Dissolved Oxygen	mg/L	6.3	--	--
	Biological Oxygen Demand	mg/L	<05	40	--
	Chemical Oxygen Demand	mg/L	17	50	--
	Chloride	mg/L	79	Max 200	Satisfactory
	Nitrates	mg/L	2.5	Max 50	Satisfactory
	Nitrite	mg/L	<0.1	--	--
	Sulphate	mg/L	9.9	Max 250	Satisfactory
	Magnesium as Mg	mg/L	18	30	Satisfactory
	Calcium as Ca	mg/L	43	75	Satisfactory
	Iron as Fe	mg/L	0.08	Max 0.3	Satisfactory
	Ammonia	mg/L	<0.1	Max 0.5	Satisfactory
	Odour	--	Agreeable	Agreeable	Satisfactory
	Acidity	mg/L	<0.1	--	--
	Total-Phosphorous	mg/L	<0.1	5.0	Satisfactory
	Total Nitrogen	mg/L	<0.1	100	Satisfactory
	Sodium as Na	mg/L	20	<200	Satisfactory
Potassium as K	mg/L	5.3	0 – 50	Satisfactory	
Salinity	ppt	0.27	--	--	

GAN - Ground Water - 07	Phosphate as PO <sub>4</sub>	mg/L	<0.1	<5	Satisfactory
	Turbidity	NTU	0.2	--	--
	Temperature	°C	25.3	--	--
	Colour	Hazen	3.6	Max. 5.0	Satisfactory
	Electric Conductivity	µs/cm	384	Max 1000	Satisfactory
	pH	--	7.5	6.5-8.5	Satisfactory
	Alkalinity as CaCO <sub>3</sub>	mg/L	22	--	--
	Total Dissolved Solids	mg/L	258	500	Satisfactory
	Dissolved Oxygen	mg/L	6.1	--	--
	Biological Oxygen Demand	mg/L	<05	40	--
	Chemical Oxygen Demand	mg/L	13	50	--
	Chloride	mg/L	71	Max 200	Satisfactory
	GAN - Ground Water - 08	Nitrates	mg/L	1.6	Max 50
Nitrite		mg/L	<0.1	--	--
Sulphate		mg/L	7.5	Max 250	Satisfactory
Magnesium as Mg		mg/L	15	30	Satisfactory
Calcium as Ca		mg/L	39	75	Satisfactory
Iron as Fe		mg/L	<0.005	Max 0.3	Satisfactory
Ammonia		mg/L	<0.1	Max 0.5	Satisfactory
Odour		--	Agreeable	Agreeable	Satisfactory
Acidity		mg/L	<0.1	--	--
Total-Phosphorous		mg/L	<0.1	5.0	Satisfactory
Total Nitrogen		mg/L	<0.1	100	Satisfactory
Sodium as Na		mg/L	13	<200	Satisfactory
Potassium as K		mg/L	3.7	0 – 50	Satisfactory
GAN - Ground Water - 09	Salinity	ppt	0.23	--	--
	Phosphate as PO <sub>4</sub>	mg/L	<0.1	<5	Satisfactory
	Turbidity	NTU	0.1	--	--
	Temperature	°C	25.4	--	--
	Colour	Hazen	4.0	Max. 5.0	Satisfactory
	Electric Conductivity	µs/cm	406	Max 1000	Satisfactory
	pH	--	7.9	6.5-8.5	Satisfactory
	Alkalinity as CaCO <sub>3</sub>	mg/L	36	--	--
Total Dissolved Solids	mg/L	272	500	Satisfactory	
Dissolved Oxygen	mg/L	6.4	--	--	



<b>GAN - Ground Water - 09 Cont.</b>	Biological Oxygen Demand	mg/L	<05	40	--
	Chemical Oxygen Demand	mg/L	14	50	--
	Chloride	mg/L	73	Max 200	Satisfactory
	Nitrates	mg/L	1.7	Max 50	Satisfactory
	Nitrite	mg/L	<0.1	--	--
	Sulphate	mg/L	7.7	Max 250	Satisfactory
	Magnesium as Mg	mg/L	16	30	Satisfactory
	Calcium as Ca	mg/L	42	75	Satisfactory
	Iron as Fe	mg/L	0.01	Max 0.3	Satisfactory
	Ammonia	mg/L	<0.1	Max 0.5	Satisfactory
	Odour	--	Agreeable	Agreeable	Satisfactory
	Acidity	mg/L	<0.1	--	--
	Total-Phosphorous	mg/L	<0.1	5.0	Satisfactory
	Total Nitrogen	mg/L	<0.1	100	Satisfactory
	Sodium as Na	mg/L	14.5	<200	Satisfactory
	Potassium as K	mg/L	4	0 – 50	Satisfactory
	Salinity	ppt	0.24	--	--
Phosphate as PO <sub>4</sub>	mg/L	<0.1	<5	Satisfactory	
<b>GAN - Ground Water - 10</b>	Turbidity	NTU	0.2	--	--
	Temperature	°C	24.9	--	--
	Colour	Hazen	3.8	Max. 5.0	Satisfactory
	Electric Conductivity	µs/cm	477	Max 1000	Satisfactory
	pH	--	8.0	6.5-8.5	Satisfactory
	Alkalinity as CaCO <sub>3</sub>	mg/L	42	--	--
	Total Dissolved Solids	mg/L	318	500	Satisfactory
	Dissolved Oxygen	mg/L	6.3	--	--
	Biological Oxygen Demand	mg/L	05	40	--
	Chemical Oxygen Demand	mg/L	16	50	--
	Chloride	mg/L	76	Max 200	Satisfactory
	Nitrates	mg/L	2.3	Max 50	Satisfactory
	Nitrite	mg/L	<0.1	--	--
	Sulphate	mg/L	8	Max 250	Satisfactory
	Magnesium as Mg	mg/L	17	30	Satisfactory
Calcium as Ca	mg/L	47	75	Satisfactory	
Iron as Fe	mg/L	0.02	Max 0.3	Satisfactory	

<b>GAN - Ground Water - 10 Cont.</b>	Ammonia	mg/L	<0.1	Max 0.5	Satisfactory
	Odour	--	Agreeable	Agreeable	Satisfactory
	Acidity	mg/L	<0.1	--	--
	Total-Phosphorous	mg/L	<0.1	5.0	Satisfactory
	Total Nitrogen	mg/L	<0.1	100	Satisfactory
	Sodium as Na	mg/L	18.5	<200	Satisfactory
	Potassium as K	mg/L	4.8	0 – 50	Satisfactory
	Salinity	ppt	0.26	--	--
	Phosphate as PO <sub>4</sub>	mg/L	<0.1	<5	Satisfactory
<b>DHAB - Ground Water 01</b>	Turbidity	NTU	3.4	--	--
	Temperature	°C	25.2	--	--
	Colour	Hazen	6.2	Max. 5.0	Unsatisfactory
	Electric Conductivity	µs/cm	1164	Max 1000	Unsatisfactory
	pH	--	8.4	6.5-8.5	Satisfactory
	Alkalinity as CaCO <sub>3</sub>	mg/L	48	--	--
	Total Dissolved Solids	mg/L	780	500	Unsatisfactory
	Dissolved Oxygen	mg/L	6.2	--	--
	Biological Oxygen Demand	mg/L	08	40	--
	Chemical Oxygen Demand	mg/L	35	50	--
	Chloride	mg/L	265	Max 200	Unsatisfactory
	Nitrates	mg/L	30	Max 50	Satisfactory
	Nitrite	mg/L	<0.1	--	--
	Sulphate	mg/L	25	Max 250	Satisfactory
	Magnesium as Mg	mg/L	20	30	Satisfactory
	Calcium as Ca	mg/L	55	75	Satisfactory
	Iron as Fe	mg/L	0.15	Max 0.3	Satisfactory
	Ammonia	mg/L	<0.1	Max 0.5	Satisfactory
	Odour	--	Agreeable	Agreeable	Satisfactory
	Acidity	mg/L	<0.1	--	--
	Total-Phosphorous	mg/L	<0.1	5.0	Satisfactory
	Total Nitrogen	mg/L	<0.1	100	Satisfactory
	Sodium as Na	mg/L	35.4	<200	Satisfactory
	Potassium as K	mg/L	9.2	0 – 50	Satisfactory
Salinity	ppt	0.66	--	--	
Phosphate as PO <sub>4</sub>	mg/L	<0.1	<5	Satisfactory	

<b>DHAB - Ground Water 02</b>	Turbidity	NTU	0.3	--	--
	Temperature	°C	25.3	--	--
	Colour	Hazen	3.3	Max. 5.0	Satisfactory
	Electric Conductivity	µs/cm	339	Max 1000	Satisfactory
	pH	--	8.2	6.5-8.5	Satisfactory
	Alkalinity as CaCO <sub>3</sub>	mg/L	45	--	--
	Total Dissolved Solids	mg/L	591	500	Satisfactory
	Dissolved Oxygen	mg/L	6.2	--	--
	Biological Oxygen Demand	mg/L	06	40	--
	Chemical Oxygen Demand	mg/L	28	50	--
	Chloride	mg/L	108	Max 200	Satisfactory
	Nitrates	mg/L	3	Max 50	Satisfactory
	Nitrite	mg/L	<0.1	--	--
	Sulphate	mg/L	19.3	Max 250	Satisfactory
	Magnesium as Mg	mg/L	25	30	Satisfactory
	Calcium as Ca	mg/L	65	75	Satisfactory
	Iron as Fe	mg/L	0.03	Max 0.3	Satisfactory
	Ammonia	mg/L	<0.1	Max 0.5	Satisfactory
	Odour	--	Agreeable	Agreeable	Satisfactory
	Acidity	mg/L	<0.1	--	--
Total-Phosphorous	mg/L	<0.1	5.0	Satisfactory	
Total Nitrogen	mg/L	<0.1	100	Satisfactory	
Sodium as Na	mg/L	24.5	<200	Satisfactory	
Potassium as K	mg/L	5.9	0 – 50	Satisfactory	
Salinity	ppt	0.45	--	--	
Phosphate as PO <sub>4</sub>	mg/L	<0.1	<5	Satisfactory	
<b>DHAB - Ground Water 03</b>	Turbidity	NTU	0.2	--	--
	Temperature	°C	25.1	--	--
	Colour	Hazen	4.2	Max. 5.0	Satisfactory
	Electric Conductivity	µs/cm	1873	Max 1000	Unsatisfactory
	pH	--	8.0	6.5-8.5	Satisfactory
	Alkalinity as CaCO <sub>3</sub>	mg/L	39	--	--
	Total Dissolved Solids	mg/L	1255	500	Unsatisfactory
	Dissolved Oxygen	mg/L	6.1	--	--
Biological Oxygen Demand	mg/L	12	40	--	

<b>DHAB - Ground Water 03 Cont.</b>	Chemical Oxygen Demand	mg/L	49	50	--
	Chloride	mg/L	515	Max 200	Unsatisfactory
	Nitrates	mg/L	35	Max 50	Satisfactory
	Nitrite	mg/L	0.14	--	--
	Sulphate	mg/L	38	Max 250	Satisfactory
	Magnesium as Mg	mg/L	25	30	Satisfactory
	Calcium as Ca	mg/L	87	75	Unsatisfactory
	Iron as Fe	mg/L	0.12	Max 0.3	Satisfactory
	Ammonia	mg/L	0.25	Max 0.5	Satisfactory
	Odour	--	Agreeable	Agreeable	Satisfactory
	Acidity	mg/L	<0.1	--	--
	Total-Phosphorous	mg/L	0.12	5.0	Satisfactory
	Total Nitrogen	mg/L	0.12	100	Satisfactory
	Sodium as Na	mg/L	65.2	<200	Satisfactory
	Potassium as K	mg/L	11.3	0 – 50	Satisfactory
	<b>DHAB - Ground Water 04</b>	Salinity	ppt	1.12	--
Phosphate as PO <sub>4</sub>		mg/L	0.37	<5	Satisfactory
Turbidity		NTU	0.8	--	--
Temperature		°C	25.1	--	--
Colour		Hazen	5.4	Max. 5.0	Unsatisfactory
Electric Conductivity		µs/cm	521	Max 1000	Satisfactory
pH		--	8.0	6.5-8.5	Satisfactory
Alkalinity as CaCO <sub>3</sub>		mg/L	41	--	--
Total Dissolved Solids		mg/L	349	500	Satisfactory
Dissolved Oxygen		mg/L	6.4	--	--
Biological Oxygen Demand		mg/L	06	40	--
Chemical Oxygen Demand		mg/L	17	50	--
Chloride		mg/L	79	Max 200	Satisfactory
Nitrates		mg/L	2.5	Max 50	Satisfactory
Nitrite		mg/L	<0.1	--	--
Sulphate		mg/L	8.6	Max 250	Satisfactory
Magnesium as Mg	mg/L	21	30	Satisfactory	
Calcium as Ca	mg/L	54	75	Satisfactory	
Iron as Fe	mg/L	0.02	Max 0.3	Satisfactory	
Ammonia	mg/L	<0.1	Max 0.5	Satisfactory	

<b>DHAB - Ground Water 04 Cont.</b>	Odour	--	Agreeable	Agreeable	Satisfactory
	Acidity	mg/L	<0.1	--	--
	Total-Phosphorous	mg/L	<0.1	5.0	Satisfactory
	Total Nitrogen	mg/L	<0.1	100	Satisfactory
	Sodium as Na	mg/L	19.7	<200	Satisfactory
	Potassium as K	mg/L	5	0 – 50	Satisfactory
	Salinity	ppt	0.31	--	--
	Phosphate as PO <sub>4</sub>	mg/L	<0.1	<5	Satisfactory
<b>DHAB - Ground Water 05</b>	Turbidity	NTU	0.4	--	--
	Temperature	°C	25.1	--	--
	Colour	Hazen	3.5	Max. 5.0	Satisfactory
	Electric Conductivity	µs/cm	359	Max 1000	Satisfactory
	pH	--	7.9	6.5-8.5	Satisfactory
	Alkalinity as CaCO <sub>3</sub>	mg/L	37	--	--
	Total Dissolved Solids	mg/L	473	500	Satisfactory
	Dissolved Oxygen	mg/L	6.1	--	--
	Biological Oxygen Demand	mg/L	<05	40	--
	Chemical Oxygen Demand	mg/L	18	50	--
	Chloride	mg/L	83	Max 200	Satisfactory
	Nitrates	mg/L	2.9	Max 50	Satisfactory
	Nitrite	mg/L	<0.1	--	--
	Sulphate	mg/L	12	Max 250	Satisfactory
	Magnesium as Mg	mg/L	22	30	Satisfactory
	Calcium as Ca	mg/L	63	75	Satisfactory
	Iron as Fe	mg/L	0.1	Max 0.3	Satisfactory
	Ammonia	mg/L	<0.1	Max 0.5	Satisfactory
	Odour	--	Agreeable	Agreeable	Satisfactory
	Acidity	mg/L	<0.1	--	--
	Total-Phosphorous	mg/L	<0.1	5.0	Satisfactory
	Total Nitrogen	mg/L	<0.1	100	Satisfactory
	Sodium as Na	mg/L	21.4	<200	Satisfactory
	Potassium as K	mg/L	2	0 – 50	Satisfactory
Salinity	ppt	0.36	--	--	
Phosphate as PO <sub>4</sub>	mg/L	<0.1	<5	Satisfactory	
<b>DHAB - Ground Water 06</b>	Turbidity	NTU	0.2	--	--

<b>DHAB - Ground Water 06 Cont.</b>	Temperature	°C	24.9	--	--
	Colour	Hazen	3.8	Max. 5.0	Satisfactory
	Electric Conductivity	µs/cm	461	Max 1000	Satisfactory
	pH	--	7.7	6.5-8.5	Satisfactory
	Alkalinity as CaCO <sub>3</sub>	mg/L	26	--	--
	Total Dissolved Solids	mg/L	308	500	Satisfactory
	Dissolved Oxygen	mg/L	6.3	--	--
	Biological Oxygen Demand	mg/L	<05	40	--
	Chemical Oxygen Demand	mg/L	15	50	--
	Chloride	mg/L	76	Max 200	Satisfactory
	Nitrates	mg/L	2.2	Max 50	Satisfactory
	Nitrite	mg/L	<0.1	--	--
	Sulphate	mg/L	8	Max 250	Satisfactory
	Magnesium as Mg	mg/L	16	30	Satisfactory
	Calcium as Ca	mg/L	44	75	Satisfactory
	Iron as Fe	mg/L	0.02	Max 0.3	Satisfactory
	Ammonia	mg/L	<0.1	Max 0.5	Satisfactory
	Odour	--	Agreeable	Agreeable	Satisfactory
	Acidity	mg/L	<0.1	--	--
	Total-Phosphorous	mg/L	<0.1	5.0	Satisfactory
	Total Nitrogen	mg/L	<0.1	100	Satisfactory
	Sodium as Na	mg/L	18.2	<200	Satisfactory
	Potassium as K	mg/L	4.7	0 – 50	Satisfactory
Salinity	ppt	0.26	--	--	
Phosphate as PO <sub>4</sub>	mg/L	<0.1	<5	Satisfactory	
<b>DHAB - Ground Water 07</b>	Turbidity	NTU	0.3	--	--
	Temperature	°C	25.1	--	--
	Colour	Hazen	3.3	Max. 5.0	Satisfactory
	Electric Conductivity	µs/cm	281	Max 1000	Satisfactory
	pH	--	8.1	6.5-8.5	Satisfactory
	Alkalinity as CaCO <sub>3</sub>	mg/L	42	--	--
	Total Dissolved Solids	mg/L	188	500	Satisfactory
	Dissolved Oxygen	mg/L	6.3	--	--
	Biological Oxygen Demand	mg/L	<05	40	--
Chemical Oxygen Demand	mg/L	10	50	--	

<b>DHAB - Ground Water 07 Cont.</b>	Chloride	mg/L	64	Max 200	Satisfactory
	Nitrates	mg/L	1.6	Max 50	Satisfactory
	Nitrite	mg/L	<0.1	--	--
	Sulphate	mg/L	7.3	Max 250	Satisfactory
	Magnesium as Mg	mg/L	14	30	Satisfactory
	Calcium as Ca	mg/L	34	75	Satisfactory
	Iron as Fe	mg/L	<0.005	Max 0.3	Satisfactory
	Ammonia	mg/L	<0.1	Max 0.5	Satisfactory
	Odour	--	Agreeable	Agreeable	Satisfactory
	Acidity	mg/L	<0.1	--	--
	Total-Phosphorous	mg/L	<0.1	5.0	Satisfactory
	Total Nitrogen	mg/L	<0.1	100	Satisfactory
	Sodium as Na	mg/L	10.8	<200	Satisfactory
	Potassium as K	mg/L	2.7	0 – 50	Satisfactory
	<b>DHAB - Ground Water 08</b>	Salinity	ppt	0.23	--
Phosphate as PO <sub>4</sub>		mg/L	<0.1	<5	Satisfactory
Turbidity		NTU	0.4	--	--
Temperature		°C	25.1	--	--
Colour		Hazen	3.2	Max. 5.0	Satisfactory
Electric Conductivity		µs/cm	882	Max 1000	Satisfactory
pH		--	8.1	6.5-8.5	Satisfactory
Alkalinity as CaCO <sub>3</sub>		mg/L	43	--	--
Total Dissolved Solids		mg/L	588	500	Unsatisfactory
Dissolved Oxygen		mg/L	6.2	--	--
Biological Oxygen Demand		mg/L	05	40	--
Chemical Oxygen Demand		mg/L	24	50	--
Chloride		mg/L	110	Max 200	Satisfactory
Nitrates		mg/L	3.1	Max 50	Satisfactory
Nitrite		mg/L	<0.1	--	--
Sulphate	mg/L	19.3	Max 250	Satisfactory	
Magnesium as Mg	mg/L	23	30	Satisfactory	
Calcium as Ca	mg/L	62	75	Satisfactory	
Iron as Fe	mg/L	0.03	Max 0.3	Satisfactory	
Ammonia	mg/L	<0.1	Max 0.5	Satisfactory	
Odour	--	Not Agreeable	Agreeable	Unsatisfactory	

<b>DHAB - Ground Water 08 Cont.</b>	Acidity	mg/L	<0.1	--	--
	Total-Phosphorous	mg/L	<0.1	5.0	Satisfactory
	Total Nitrogen	mg/L	<0.1	100	Satisfactory
	Sodium as Na	mg/L	24.6	<200	Satisfactory
	Potassium as K	mg/L	5	0 – 50	Satisfactory
	Salinity	ppt	0.45	--	--
	Phosphate as PO <sub>4</sub>	mg/L	<0.1	<5	Satisfactory
<b>DHAB - Ground Water 09</b>	Turbidity	NTU	0.2	--	--
	Temperature	°C	25.1	--	--
	Colour	Hazen	4.0	Max. 5.0	Satisfactory
	Electric Conductivity	µs/cm	389	Max 1000	Satisfactory
	pH	--	7.8	6.5-8.5	Satisfactory
	Alkalinity as CaCO <sub>3</sub>	mg/L	31	--	--
	Total Dissolved Solids	mg/L	261	500	Satisfactory
	Dissolved Oxygen	mg/L	6.2	--	--
	Biological Oxygen Demand	mg/L	<05	40	--
	Chemical Oxygen Demand	mg/L	13	50	--
	Chloride	mg/L	72	Max 200	Satisfactory
	Nitrates	mg/L	1.6	Max 50	Satisfactory
	Nitrite	mg/L	<0.1	--	--
	Sulphate	mg/L	7.6	Max 250	Satisfactory
	Magnesium as Mg	mg/L	17	30	Satisfactory
	Calcium as Ca	mg/L	41	75	Satisfactory
	Iron as Fe	mg/L	<0.005	Max 0.3	Satisfactory
	Ammonia	mg/L	<0.1	Max 0.5	Satisfactory
	Odour	--	Agreeable	Agreeable	Satisfactory
	Acidity	mg/L	<0.1	--	--
	Total-Phosphorous	mg/L	<0.1	5.0	Satisfactory
	Total Nitrogen	mg/L	<0.1	100	Satisfactory
	Sodium as Na	mg/L	13.2	<200	Satisfactory
Potassium as K	mg/L	3.8	0 – 50	Satisfactory	
Salinity	ppt	0.24	--	--	
Phosphate as PO <sub>4</sub>	mg/L	<0.1	<5	Satisfactory	
<b>DHAB - Ground Water 10</b>	Turbidity	NTU	0.2	--	--
	Temperature	°C	25.2	--	--



<b>DHAB - Ground Water 10 Cont.</b>	Colour	Hazen	3.1	Max. 5.0	Satisfactory
	Electric Conductivity	µs/cm	386	Max 1000	Satisfactory
	pH	--	8.2	6.5-8.5	Satisfactory
	Alkalinity as CaCO <sub>3</sub>	mg/L	43	--	--
	Total Dissolved Solids	mg/L	189	500	Satisfactory
	Dissolved Oxygen	mg/L	6.1	--	--
	Biological Oxygen Demand	mg/L	05	40	--
	Chemical Oxygen Demand	mg/L	12	50	--
	Chloride	mg/L	69	Max 200	Satisfactory
	Nitrates	mg/L	1.6	Max 50	Satisfactory
	Nitrite	mg/L	<0.1	--	--
	Sulphate	mg/L	7.3	Max 250	Satisfactory
	Magnesium as Mg	mg/L	13	30	Satisfactory
	Calcium as Ca	mg/L	36	75	Satisfactory
	Iron as Fe	mg/L	<0.005	Max 0.3	Satisfactory
	Ammonia	mg/L	<0.1	Max 0.5	Satisfactory
	Odour	--	Agreeable	Agreeable	Satisfactory
	Acidity	mg/L	<0.1	--	--
	Total-Phosphorous	mg/L	<0.1	5.0	Satisfactory
	Total Nitrogen	mg/L	<0.1	100	Satisfactory
Sodium as Na	mg/L	10.8	<200	Satisfactory	
Potassium as K	mg/L	3	0 – 50	Satisfactory	
Salinity	ppt	0.23	--	--	
Phosphate as PO <sub>4</sub>	mg/L	<0.1	<5	Satisfactory	

\*\* As per Utility Regulatory Authority (Male: Republic of Maldives).

Reviewed by  
  
(Samhitha)



Authorized Signatory  
  
R. Sekunthala (Microbiology)

**WATER QUALITY TEST REPORT**  
 Report No: 500199468

**Customer Information:**  
 Epoch Associates Pvt Ltd  
 G.Rosary West, 3rd Floor  
 Husnuheena Magu  
 k MALE'

Report date: **07/02/2024**  
 Test Requisition Form No: **900199812**  
 Sample(s) Recieved Date: **06/02/2024**  
 Date of Analysis: **06/02/2024 - 07/02/2024**

Sample Description ~	Gan_01	Gan_02	TEST METHOD	UNIT		
Sample Type ~	Ground Water	Ground Water				
Sample No	83246661	83246662				
Sampled Date ~	05/02/2024 03:55 PM	05/02/2024 03:55 PM				
Physical Appearance	Clear with particles	Clear with particles				
PARAMETER	ANALYSIS RESULT					
Total Coliforms	12 (06/02/2024 03:00 PM)	326 (06/02/2024 03:00 PM)	Colilert®-18/Quanti-Tray®2000	MPN/100ml		
Faecal Coliforms	12 (06/02/2024 03:00 PM)	124 (06/02/2024 03:00 PM)	Colilert®-18/Quanti-Tray®2000	MPN/100ml		

**Keys: MPN/100ml** : Most Probable Number

**Checked by**



Aminath Shahidha  
 Laboratory Executive

**Approved by**



Nihaz A. Zahir  
 Assistant Quality Manager

**Notes:**

Sampling Authority: Sampling was not done by MWSC Laboratory.  
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 ~ Information provided by the customer. This information may affect the validity of the test results.  
 \*Parameters accredited by Eiac under ISO/IEC 17025:2017

\*\*\*\*\* END OF REPORT \*\*\*\*\*



**WATER QUALITY TEST REPORT**  
 Report No: 500199503

Report date: 12/02/2024  
 Test Requisition Form No: 900199829  
 Sample(s) Recieved Date: 08/02/2024  
 Date of Analysis: 08/02/2024 - 09/02/2024

**Customer Information:**  
 Epoch Associates Pvt Ltd  
 G.Rosary West, 3rd Floor  
 Husnuheena Magu  
 k MALE'

Sample Description ~	Isd_01	Isd_02	Isd_03	TEST METHOD	UNIT
Sample Type ~	Ground Water	Ground Water	Ground Water		
Sample No	83246733	83246734	83246735		
Sampled Date ~	06/02/2024 09:50 AM	06/02/2024 10:05 AM	06/02/2024 10:18 AM		
Physical Appearance	Clear with particles	Clear with particles	Clear with particles		
<b>PARAMETER</b>	<b>ANALYSIS RESULT</b>				
Total Coliforms	>2420 (08/02/2024 03:00 PM)	>2420 (08/02/2024 03:00 PM)	>2420 (08/02/2024 03:00 PM)	Colilert®-18/Quanti-Tray®2000	MPN/100ml
Faecal Coliforms	138 (08/02/2024 03:00 PM)	>2420 (08/02/2024 03:00 PM)	>2420 (08/02/2024 03:00 PM)	Colilert®-18/Quanti-Tray®2000	MPN/100ml

**Keys: MPN/100ml** : Most Probable Number

**Checked by**

Aminath Shahidha  
 Laboratory Executive

**Approved by**

Nihaz A. Zahir  
 Assistant Quality Manager

**Notes:**

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**Male' Water & Sewerage Company Pvt Ltd**  
**Water Quality Assurance Laboratory**

Quality Assurance Building, 1st Floor, Male' Hingun, Vilimale', Male' City, Maldives  
 Tel: +9603323209, Fax: +9603324306, Email: wqa@mwsc.com.mv



**WATER QUALITY TEST REPORT**  
 Report No: 500199503

**Customer Information:**

Epoch Associates Pvt Ltd  
 G.Rosary West, 3rd Floor  
 Husnuheena Magu  
 k MALE'

Report date: 12/02/2024  
 Test Requisition Form No: 900199829  
 Sample(s) Recieved Date: 08/02/2024  
 Date of Analysis: 08/02/2024 - 09/02/2024

Sample Description ~	Isd_04	Isd_05	Isd_06	TEST METHOD	UNIT
Sample Type ~	Ground Water	Ground Water	Ground Water		
Sample No	83246736	83246737	83246738		
Sampled Date ~	06/02/2024 10:40 AM	06/02/2024 11:00 AM	06/02/2024 11:15 AM		
Physical Appearance	Clear with particles	Clear with particles	Clear with particles		
PARAMETER	ANALYSIS RESULT				
Total Coliforms	>2420 (08/02/2024 03:00 PM)	>2420 (08/02/2024 03:00 PM)	>2420 (08/02/2024 03:00 PM)	Colilert®-18/Quanti-Tray®2000	MPN/100ml
Faecal Coliforms	866 (08/02/2024 03:00 PM)	921 (08/02/2024 03:00 PM)	>2420 (08/02/2024 03:00 PM)	Colilert®-18/Quanti-Tray®2000	MPN/100ml

Keys: MPN/100ml : Most Probable Number

Checked by

Aminath Shahidha  
 Laboratory Executive

Approved by

Nihaz A. Zahir  
 Assistant Quality Manager

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**Water Quality Assurance Laboratory**

Quality Assurance Building, 1st Floor, Male' Hingun, Vilimale', Male' City, Maldives  
 Tel: +9603323209, Fax: +9603324306, Email: wqa@mwsc.com.mv



**WATER QUALITY TEST REPORT**  
 Report No: 500199503

**Customer Information:**

Epoch Associates Pvt Ltd  
 G.Rosary West, 3rd Floor  
 Husnuheena Magu  
 k MALE'

Report date: 12/02/2024  
 Test Requisition Form No: 900199829  
 Sample(s) Recieved Date: 08/02/2024  
 Date of Analysis: 08/02/2024 - 09/02/2024

Sample Description ~	Isd_07	TEST METHOD		UNIT
Sample Type ~	Ground Water			
Sample No	83246739			
Sampled Date ~	06/02/2024 11:25 AM			
Physical Appearance	Clear with particles			
PARAMETER	ANALYSIS RESULT			
Total Coliforms	>2420 (08/02/2024 03:00 PM)	Colilert®-18/Quanti-Tray®2000		MPN/100ml
Faecal Coliforms	>2420 (08/02/2024 03:00 PM)	Colilert®-18/Quanti-Tray®2000		MPN/100ml

Keys: MPN/100ml : Most Probable Number

Checked by

Aminath Shahidha  
 Laboratory Executive

Approved by

Nihaz A. Zahir  
 Assistant Quality Manager

**Notes:**

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\*\*\*\*\* END OF REPORT \*\*\*\*\*



**WATER QUALITY TEST REPORT**  
 Report No: 500199504

Report date: 12/02/2024  
 Test Requisition Form No: 900199830  
 Sample(s) Recieved Date: 08/02/2024  
 Date of Analysis: 08/02/2024 - 09/02/2024

**Customer Information:**  
 Epoch Associates Pvt Ltd  
 G.Rosary West, 3rd Floor  
 Husnuheena Magu  
 k MALE'

Sample Description ~	Kal_05	Kal_06	Kal_07	TEST METHOD	UNIT
Sample Type ~	Ground Water	Ground Water	Ground Water		
Sample No	83246740	83246741	83246742		
Sampled Date ~	06/02/2024 02:30 PM	06/02/2024 02:45 PM	06/02/2024 03:03 PM		
Physical Appearance	Clear with particles	Clear with particles	Clear with particles		
PARAMETER	ANALYSIS RESULT				
Total Coliforms	>2420 (08/02/2024 03:00 PM)	>2420 (08/02/2024 03:00 PM)	>2420 (08/02/2024 03:00 PM)	Colilert®-18/Quanti-Tray®2000	MPN/100ml
Faecal Coliforms	91 (08/02/2024 03:00 PM)	437 (08/02/2024 03:00 PM)	183 (08/02/2024 03:00 PM)	Colilert®-18/Quanti-Tray®2000	MPN/100ml

Keys: MPN/100ml : Most Probable Number

Checked by

Aminath Shahidha  
 Laboratory Executive

Approved by

Nihaz A. Zahir  
 Assistant Quality Manager

**Notes:**

Sampling Authority: Sampling was not done by MWSC Laboratory.  
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**Male' Water & Sewerage Company Pvt Ltd**  
**Water Quality Assurance Laboratory**

Quality Assurance Building, 1st Floor, Male' Hingun, Vilimale', Male' City, Maldives  
 Tel: +9603323209, Fax: +9603324306, Email: wqa@mwsc.com.mv



**WATER QUALITY TEST REPORT**  
 Report No: 500199504

**Customer Information:**

Epoch Associates Pvt Ltd  
 G.Rosary West, 3rd Floor  
 Husnuheena Magu  
 k MALE'

Report date: 12/02/2024  
 Test Requisition Form No: 900199830  
 Sample(s) Recieved Date: 08/02/2024  
 Date of Analysis: 08/02/2024 - 09/02/2024

Sample Description ~	Kal_08	Kal_09	Kal_10	TEST METHOD	UNIT
Sample Type ~	Ground Water	Ground Water	Ground Water		
Sample No	83246743	83246744	83246745		
Sampled Date ~	06/02/2024 03:19 PM	06/02/2024 03:35 PM	06/02/2024 03:55 PM		
Physical Appearance	Clear with particles	Clear with particles	Clear with particles		
<b>PARAMETER</b>	<b>ANALYSIS RESULT</b>				
Total Coliforms	>2420 (08/02/2024 03:00 PM)	>2420 (08/02/2024 03:00 PM)	>2420 (08/02/2024 03:00 PM)	Colilert®-18/Quanti-Tray®2000	MPN/100ml
Faecal Coliforms	>2420 (08/02/2024 03:00 PM)	94 (08/02/2024 03:00 PM)	>2420 (08/02/2024 03:00 PM)	Colilert®-18/Quanti-Tray®2000	MPN/100ml

Keys: MPN/100ml : Most Probable Number

Checked by

Aminath Shahidha  
 Laboratory Executive

Approved by

Nihaz A. Zahir  
 Assistant Quality Manager

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\*\*\*\*\* END OF REPORT \*\*\*\*\*



**WATER QUALITY TEST REPORT**  
 Report No: 500199513

Report date: 12/02/2024  
 Test Requisition Form No: 900199832  
 Sample(s) Recieved Date: 08/02/2024  
 Date of Analysis: 08/02/2024 - 09/02/2024

**Customer Information:**  
 Epoch Associates Pvt Ltd  
 G.Rosary West, 3rd Floor  
 Husnuheena Magu  
 k MALE'

Sample Description ~	Kal_01	Kal_02	Kal_03	TEST METHOD	UNIT
Sample Type ~	Ground Water	Ground Water	Ground Water		
Sample No	83246749	83246750	83246751		
Sampled Date ~	06/02/2024 01:40 PM	06/02/2024 01:50 PM	06/02/2024 02:05 PM		
Physical Appearance	Clear with particles	Clear with particles	Clear with particles		
<b>PARAMETER</b>	<b>ANALYSIS RESULT</b>				
Total Coliforms	>2420 (08/02/2024 03:00 PM)	>2420 (08/02/2024 03:00 PM)	>2420 (08/02/2024 03:00 PM)	Colilert®-18/Quanti-Tray®2000	MPN/100ml
Faecal Coliforms	1300 (08/02/2024 03:00 PM)	436 (08/02/2024 03:00 PM)	>2420 (08/02/2024 03:00 PM)	Colilert®-18/Quanti-Tray®2000	MPN/100ml

**Keys: MPN/100ml** : Most Probable Number

**Checked by**

Aminath Shahidha  
 Laboratory Executive

**Approved by**

Nihaz A. Zahir  
 Assistant Quality Manager

**Notes:**

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**Water Quality Assurance Laboratory**

Quality Assurance Building, 1st Floor, Male' Hingun, Vilimale', Male' City, Maldives  
 Tel: +9603323209, Fax: +9603324306, Email: wqa@mwsc.com.mv



**WATER QUALITY TEST REPORT**  
 Report No: 500199513

**Customer Information:**

Epoch Associates Pvt Ltd  
 G.Rosary West, 3rd Floor  
 Husnuheena Magu  
 k MALE'

Report date: 12/02/2024  
 Test Requisition Form No: 900199832  
 Sample(s) Recieved Date: 08/02/2024  
 Date of Analysis: 08/02/2024 - 09/02/2024

Sample Description ~	Kal_04	TEST METHOD		UNIT
Sample Type ~	Ground Water			
Sample No	83246752			
Sampled Date ~	06/02/2024 02:20 PM			
Physical Appearance	Clear with particles			
PARAMETER	ANALYSIS RESULT			
Total Coliforms	>2420 (08/02/2024 03:00 PM)	Colilert®-18/Quanti-Tray®2000		MPN/100ml
Faecal Coliforms	77 (08/02/2024 03:00 PM)	Colilert®-18/Quanti-Tray®2000		MPN/100ml

Keys: MPN/100ml : Most Probable Number

Checked by

Aminath Shahidha  
 Laboratory Executive

Approved by

Nihaz A. Zahir  
 Assistant Quality Manager

**Notes:**

Sampling Authority: Sampling was not done by MWSC Laboratory.  
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\*\*\*\*\* END OF REPORT \*\*\*\*\*



**WATER QUALITY TEST REPORT**  
 Report No: 500199517

Report date: 12/02/2024  
 Test Requisition Form No: 900199838  
 Sample(s) Recieved Date: 08/02/2024  
 Date of Analysis: 08/02/2024 - 09/02/2024

**Customer Information:**  
 Epoch Associates Pvt Ltd  
 G.Rosary West, 3rd Floor  
 Husnuheena Magu  
 k MALE'

Sample Description ~	Gan_03	Gan_06	TEST METHOD	UNIT
Sample Type ~	Ground Water	Ground Water		
Sample No	83246762	83246765		
Sampled Date ~	07/02/2024 07:15 AM	07/02/2024 08:25 AM		
Physical Appearance	Pale yellow with particles	Clear with particles		
PARAMETER	ANALYSIS RESULT			
Total Coliforms	2420 (08/02/2024 03:00 PM)	>2420 (08/02/2024 03:00 PM)	Colilert®-18/Quanti-Tray®2000	MPN/100ml

Keys: MPN/100ml : Most Probable Number

Checked by

Nashath Ali  
 Laboratory Executive

Approved by

Nihaz A. Zahir  
 Assistant Quality Manager

**Notes:**

Sampling Authority: Sampling was not done by MWSC Laboratory.  
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\*\*\*\*\* END OF REPORT \*\*\*\*\*



**WATER QUALITY TEST REPORT**  
 Report No: 500199518

Report date: **12/02/2024**  
 Test Requisition Form No: **900199838**  
 Sample(s) Recieved Date: **08/02/2024**  
 Date of Analysis: **08/02/2024 - 09/02/2024**

**Customer Information:**  
 Epoch Associates Pvt Ltd  
 G.Rosary West, 3rd Floor  
 Husnuheena Magu  
 k MALE'

Sample Description ~	Gan_04	Gan_05	Gan_07	TEST METHOD	UNIT
Sample Type ~	Ground Water	Ground Water	Ground Water		
Sample No	83246763	83246764	83246766		
Sampled Date ~	07/02/2024 08:00 AM	07/02/2024 08:10 AM	07/02/2024 10:15 AM		
Physical Appearance	Pale yellow with particles	Pale yellow with particles	Pale yellow with particles		
PARAMETER	ANALYSIS RESULT				
Total Coliforms	>2420 (08/02/2024 03:00 PM)	>2420 (08/02/2024 03:00 PM)	>2420 (08/02/2024 03:00 PM)	Colilert®-18/Quanti-Tray®2000	MPN/100ml
Faecal Coliforms	>2420 (08/02/2024 03:00 PM)	378 (08/02/2024 03:00 PM)	>2420 (08/02/2024 03:00 PM)	Colilert®-18/Quanti-Tray®2000	MPN/100ml

**Keys: MPN/100ml** : Most Probable Number

Checked by

Nashath Ali  
 Laboratory Executive

Approved by

Nihaz A. Zahir  
 Assistant Quality Manager

**Notes:**

Sampling Authority: Sampling was not done by MWSC Laboratory.  
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**Male' Water & Sewerage Company Pvt Ltd**  
**Water Quality Assurance Laboratory**

Quality Assurance Building, 1st Floor, Male' Hingun, Vilimale', Male' City, Maldives  
 Tel: +9603323209, Fax: +9603324306, Email: wqa@mwsc.com.mv



**WATER QUALITY TEST REPORT**  
 Report No: 500199518

**Customer Information:**

Epoch Associates Pvt Ltd  
 G.Rosary West, 3rd Floor  
 Husnuheena Magu  
 k MALE'

Report date: **12/02/2024**  
 Test Requisition Form No: **900199838**  
 Sample(s) Recieved Date: **08/02/2024**  
 Date of Analysis: **08/02/2024 - 09/02/2024**

Sample Description ~	Gan_08	Gan_09	Gan_10	TEST METHOD	UNIT
Sample Type ~	Ground Water	Ground Water	Ground Water		
Sample No	83246767	83246768	83246769		
Sampled Date ~	07/02/2024 10:30 AM	07/02/2024 11:59 AM	07/02/2024 12:00 PM		
Physical Appearance	Pale yellow with particles	Pale yellow with particles	Pale yellow with particles		
<b>PARAMETER</b>	<b>ANALYSIS RESULT</b>				
Total Coliforms	>2420 (08/02/2024 03:00 PM)	>2420 (08/02/2024 03:00 PM)	>2420 (08/02/2024 03:00 PM)	Colilert®-18/Quanti-Tray®2000	MPN/100ml
Faecal Coliforms	>2420 (08/02/2024 03:00 PM)	>2420 (08/02/2024 03:00 PM)	>2420 (08/02/2024 03:00 PM)	Colilert®-18/Quanti-Tray®2000	MPN/100ml

Keys: **MPN/100ml** : Most Probable Number

Checked by

Nashath Ali  
 Laboratory Executive

Approved by

Nihaz A. Zahir  
 Assistant Quality Manager

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\*\*\*\*\* END OF REPORT \*\*\*\*\*

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**WATER QUALITY TEST REPORT**

Report No: 500199497

**Customer Information:**

Epoch Associates Pvt Ltd  
 G.Rosary West, 3rd Floor  
 Husnuheena Magu  
 k MALE'

Report date: 12/02/2024

Test Requisition Form No: 900199839

Sample(s) Recieved Date: 08/02/2024

Date of Analysis: 08/02/2024 - 09/02/2024

Sample Description ~	DBD_01	DBD_02	DBD_03	TEST METHOD	UNIT
Sample Type ~	Ground Water	Ground Water	Ground Water		
Sample No	83246770	83246771	83246772		
Sampled Date ~	07/02/2024 02:40 PM	07/02/2024 02:50 PM	07/02/2024 02:55 PM		
Physical Appearance	Pale yellow with particles	Pale yellow with particles	Pale yellow with particles		
PARAMETER	ANALYSIS RESULT				
Total Coliforms	1553 (08/02/2024 03:00 PM)	>2420 (08/02/2024 03:00 PM)	>2420 (08/02/2024 03:00 PM)	Colilert®-18/Quanti-Tray®2000	MPN/100ml
Faecal Coliforms	178 (08/02/2024 03:00 PM)	1553 (08/02/2024 03:00 PM)	96 (08/02/2024 03:00 PM)	Colilert®-18/Quanti-Tray®2000	MPN/100ml

Keys: MPN/100ml : Most Probable Number

Checked by

Aminath Shahidha  
 Laboratory Executive

Approved by

Nihaz A. Zahir  
 Assistant Quality Manager

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**WATER QUALITY TEST REPORT**  
 Report No: 500199497

**Customer Information:**  
 Epoch Associates Pvt Ltd  
 G.Rosary West, 3rd Floor  
 Husnuheena Magu  
 k MALE'

Report date: **12/02/2024**  
 Test Requisition Form No: **900199839**  
 Sample(s) Recieved Date: **08/02/2024**  
 Date of Analysis: **08/02/2024 - 09/02/2024**

Sample Description ~	DBD_04	DBD_05	DBD_06	TEST METHOD	UNIT
Sample Type ~	Ground Water	Ground Water	Ground Water		
Sample No	83246773	83246774	83246775		
Sampled Date ~	07/02/2024 03:00 PM	07/02/2024 03:05 PM	07/02/2024 03:10 PM		
Physical Appearance	Clear with particles	Clear with particles	Pale yellow with particles		
<b>PARAMETER</b>	<b>ANALYSIS RESULT</b>				
Total Coliforms	>2420 (08/02/2024 03:00 PM)	238 (08/02/2024 03:00 PM)	300 (08/02/2024 03:00 PM)	Colilert®-18/Quanti-Tray®2000	MPN/100ml
Faecal Coliforms	1553 (08/02/2024 03:00 PM)	10 (08/02/2024 03:00 PM)	105 (08/02/2024 03:00 PM)	Colilert®-18/Quanti-Tray®2000	MPN/100ml

Keys: **MPN/100ml** : Most Probable Number

Checked by

Aminath Shahidha  
 Laboratory Executive

Approved by

Nihaz A. Zahir  
 Assistant Quality Manager

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**WATER QUALITY TEST REPORT**  
 Report No: 500199497

**Customer Information:**

Epoch Associates Pvt Ltd  
 G.Rosary West, 3rd Floor  
 Husnuheena Magu  
 k MALE'

Report date: **12/02/2024**  
 Test Requisition Form No: **900199839**  
 Sample(s) Recieved Date: **08/02/2024**  
 Date of Analysis: **08/02/2024 - 09/02/2024**

Sample Description ~	DBD_07	DBD_08	DBD_09	TEST METHOD	UNIT
Sample Type ~	Ground Water	Ground Water	Ground Water		
Sample No	83246776	83246777	83246778		
Sampled Date ~	07/02/2024 03:30 PM	07/02/2024 03:35 PM	07/02/2024 03:40 PM		
Physical Appearance	Clear with particles	Pale yellow with particles	Pale yellow with particles		
<b>PARAMETER</b>	<b>ANALYSIS RESULT</b>				
Total Coliforms	261 (08/02/2024 03:00 PM)	1986 (08/02/2024 03:00 PM)	>2420 (08/02/2024 03:00 PM)	Colilert®-18/Quanti-Tray®2000	MPN/100ml
Faecal Coliforms	78 (08/02/2024 03:00 PM)	111 (08/02/2024 03:00 PM)	548 (08/02/2024 03:00 PM)	Colilert®-18/Quanti-Tray®2000	MPN/100ml

Keys: **MPN/100ml** : Most Probable Number

Checked by

Aminath Shahidha  
 Laboratory Executive

Approved by

Nihaz A. Zahir  
 Assistant Quality Manager

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**WATER QUALITY TEST REPORT**  
 Report No: 500199497

**Customer Information:**

Epoch Associates Pvt Ltd  
 G.Rosary West, 3rd Floor  
 Husnuheena Magu  
 k MALE'

Report date: **12/02/2024**  
 Test Requisition Form No: **900199839**  
 Sample(s) Recieved Date: **08/02/2024**  
 Date of Analysis: **08/02/2024 - 09/02/2024**

Sample Description ~	DBD_10	TEST METHOD	UNIT
Sample Type ~	Ground Water		
Sample No	83246779		
Sampled Date ~	07/02/2024 03:50 PM		
Physical Appearance	Pale yellow with particles		
PARAMETER	ANALYSIS RESULT		
Total Coliforms	>2420 (08/02/2024 03:00 PM)	Colilert®-18/Quanti-Tray®2000	MPN/100ml
Faecal Coliforms	>2420 (08/02/2024 03:00 PM)	Colilert®-18/Quanti-Tray®2000	MPN/100ml

Keys: **MPN/100ml** : Most Probable Number

Checked by

Aminath Shahidha  
 Laboratory Executive

Approved by

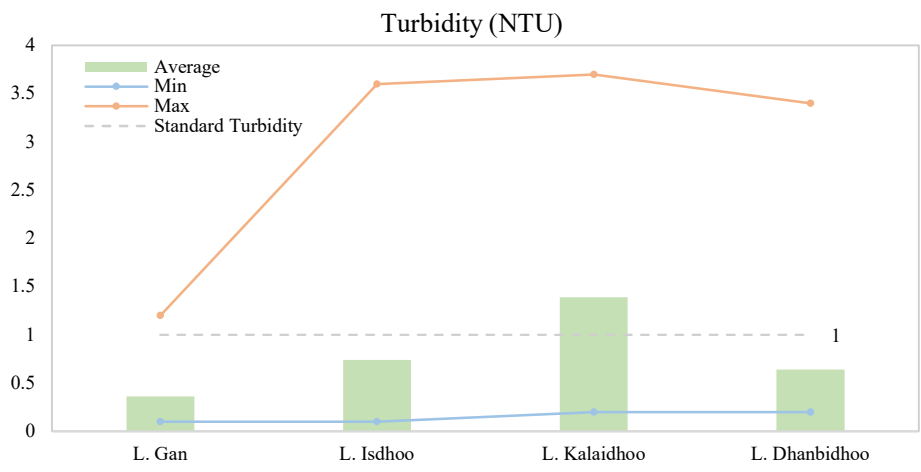
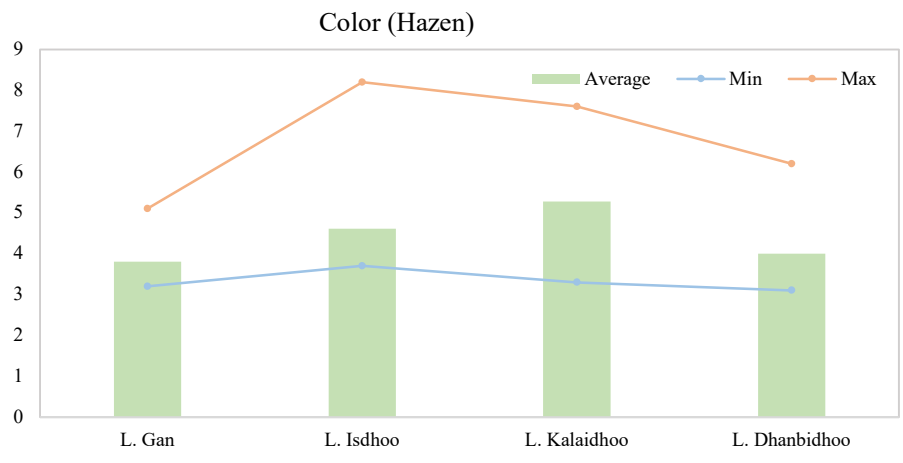
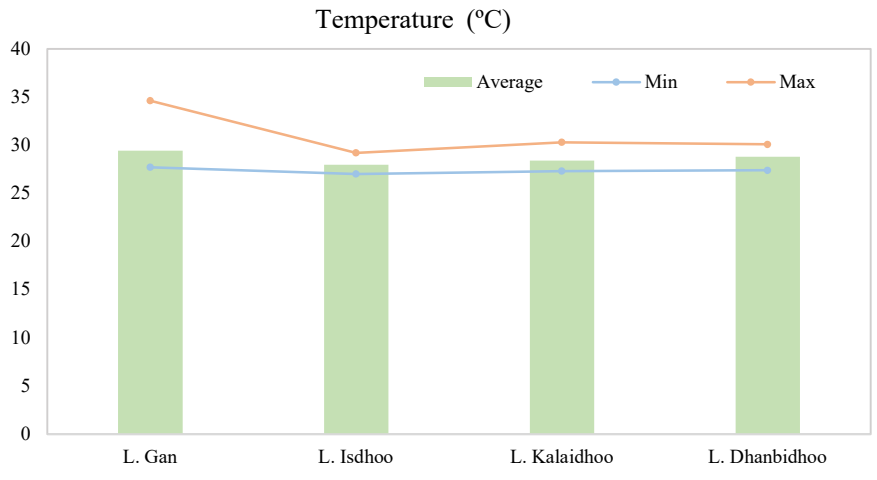
Nihaz A. Zahir  
 Assistant Quality Manager

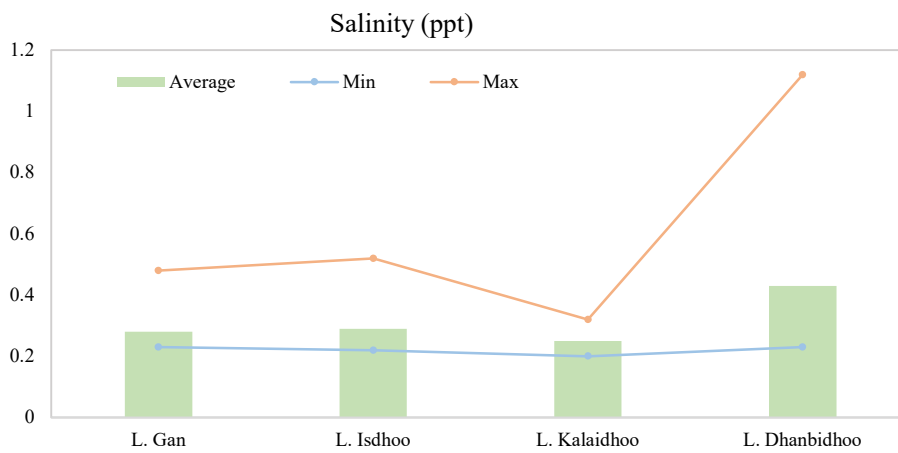
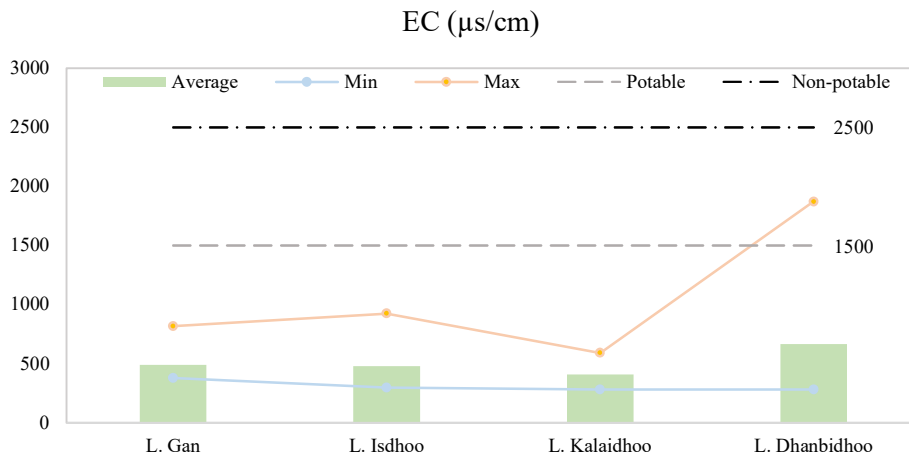
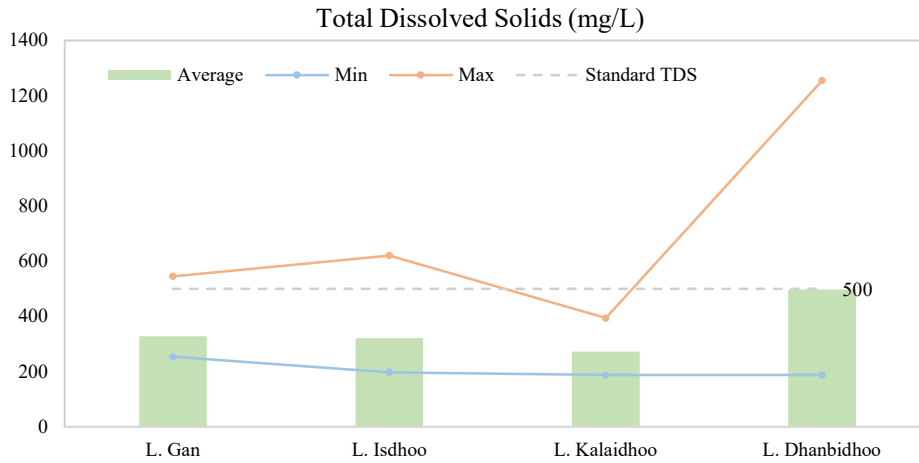
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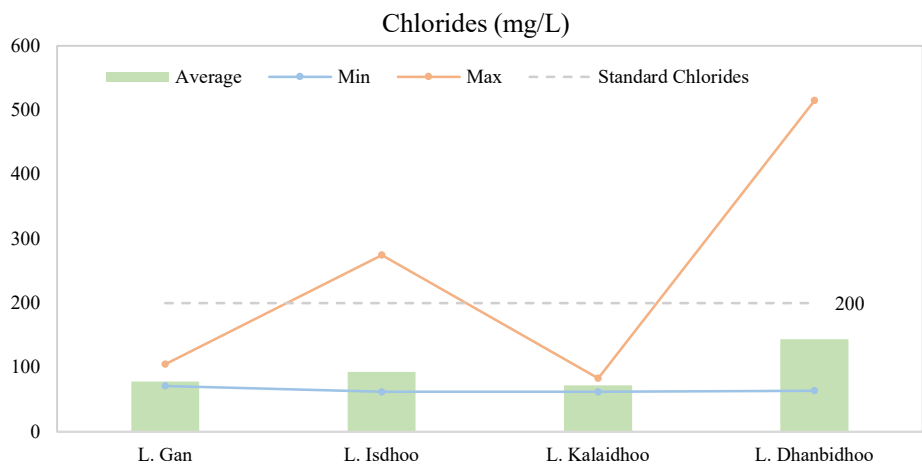
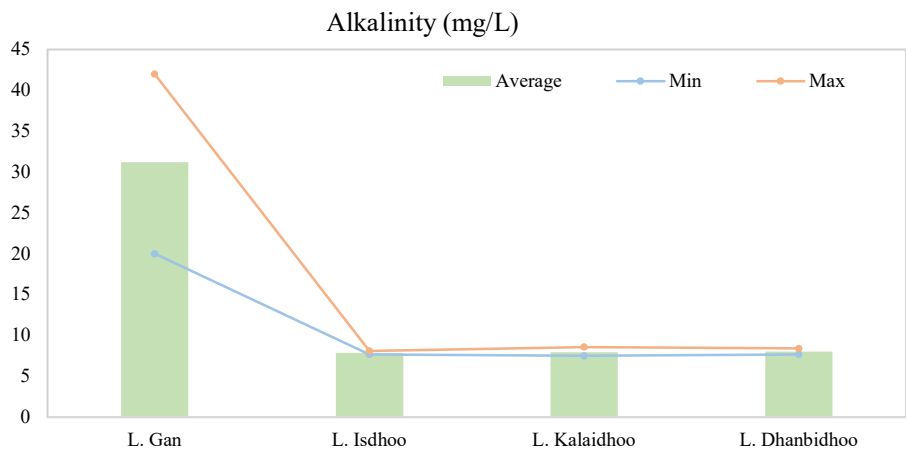
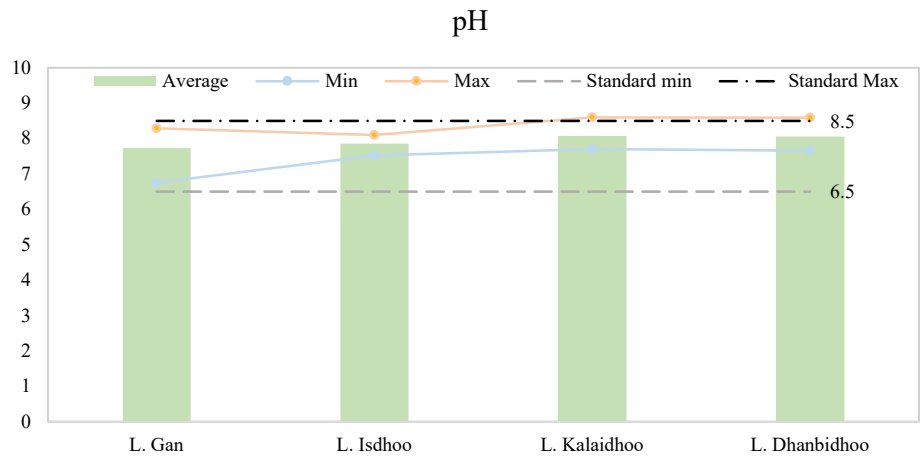
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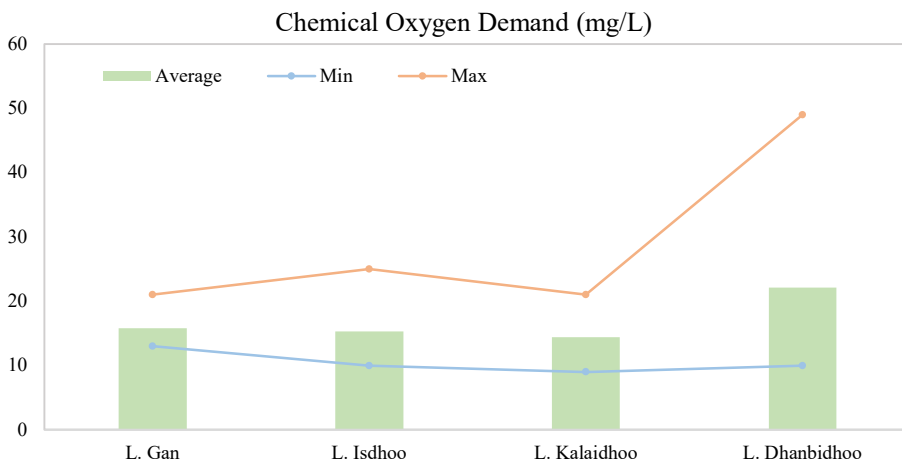
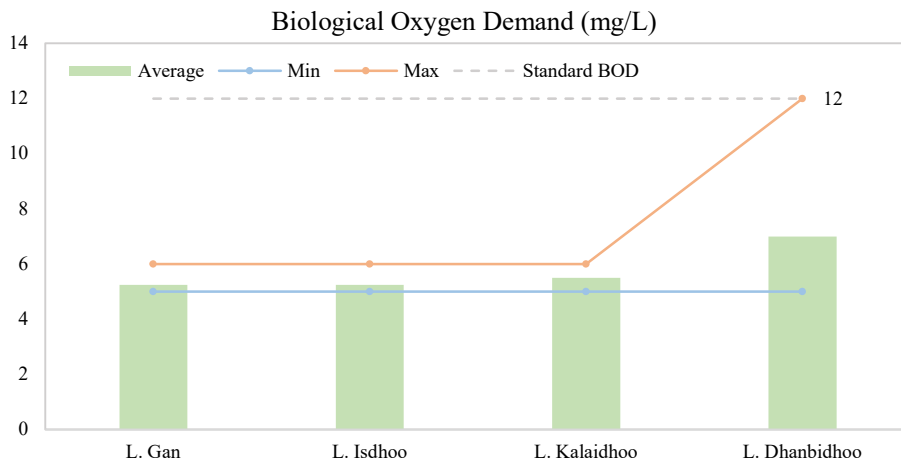
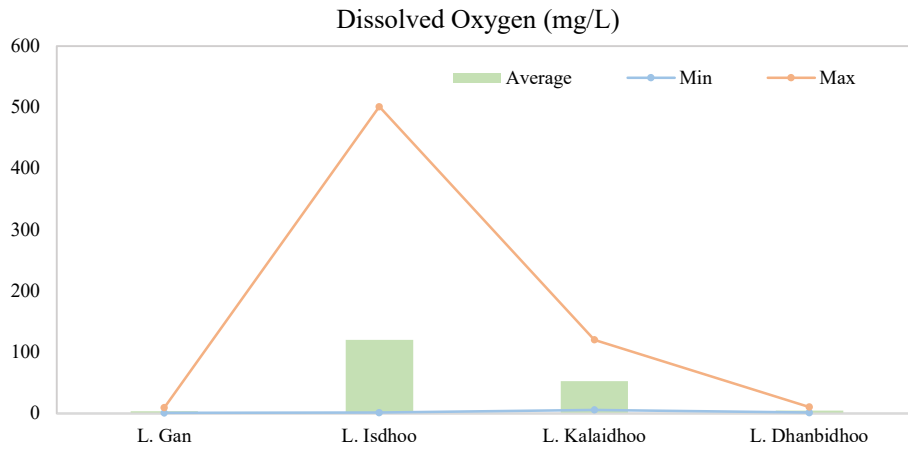
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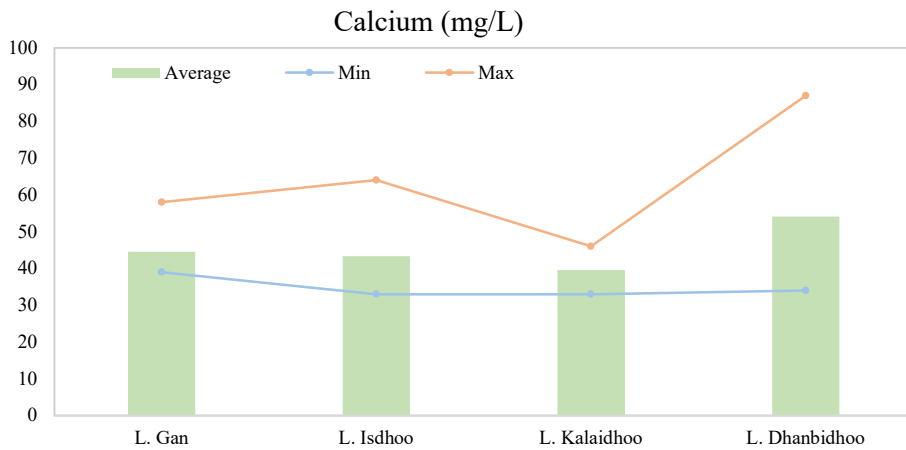
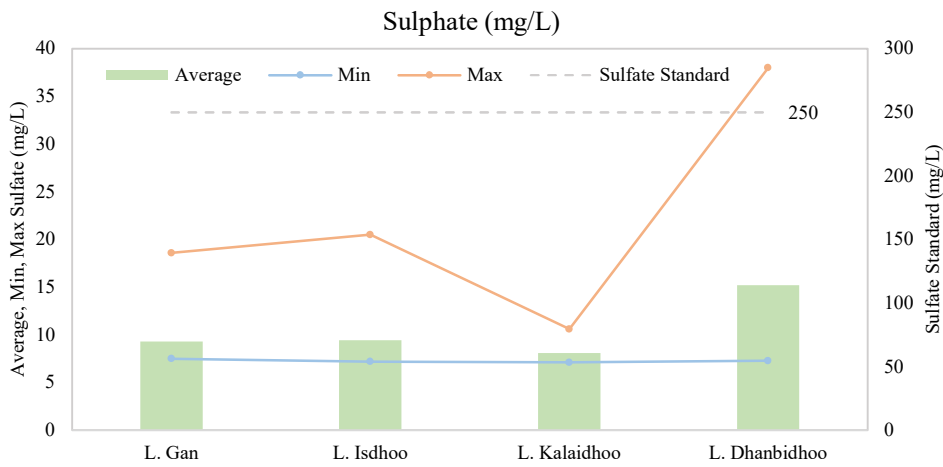
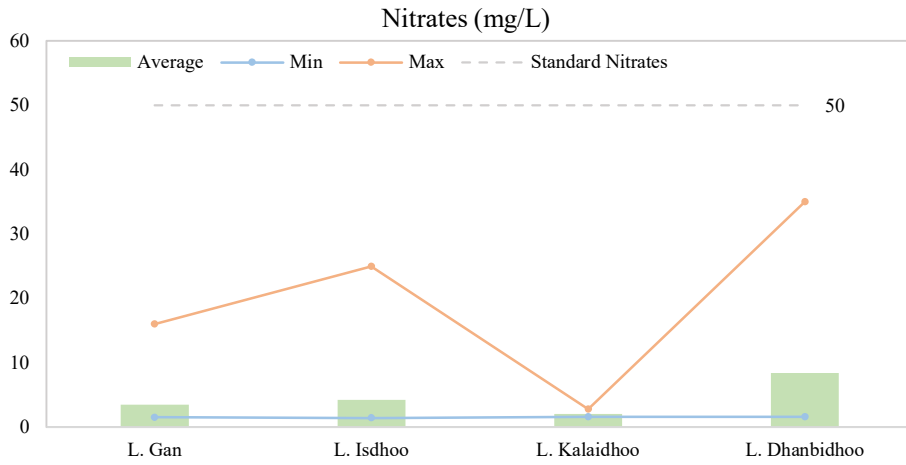


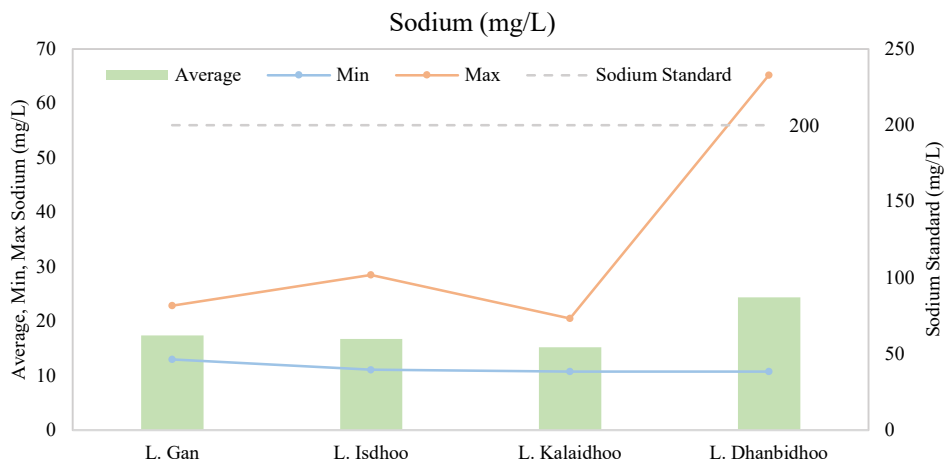
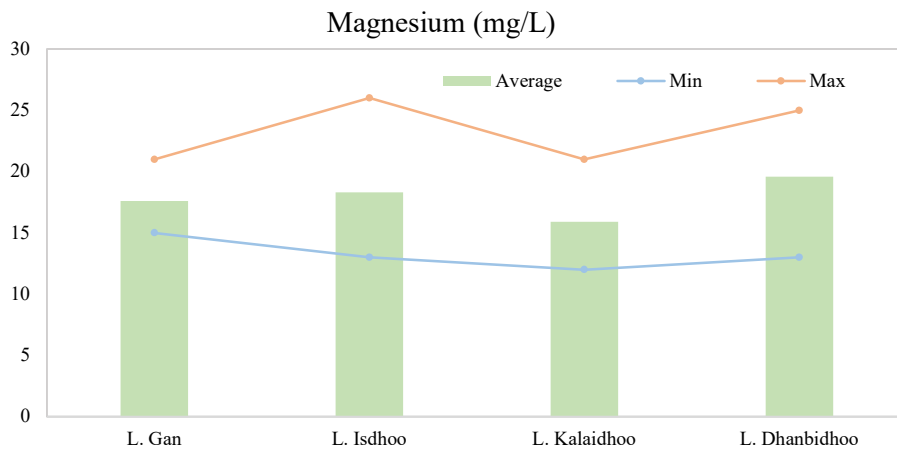
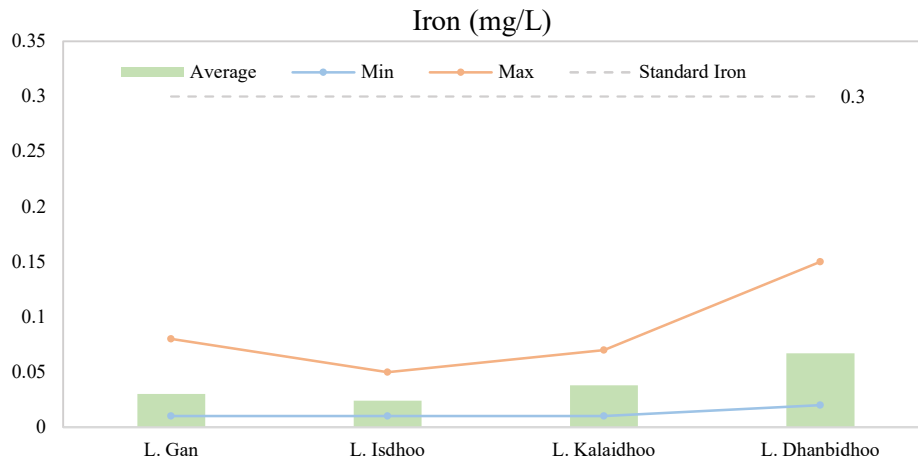


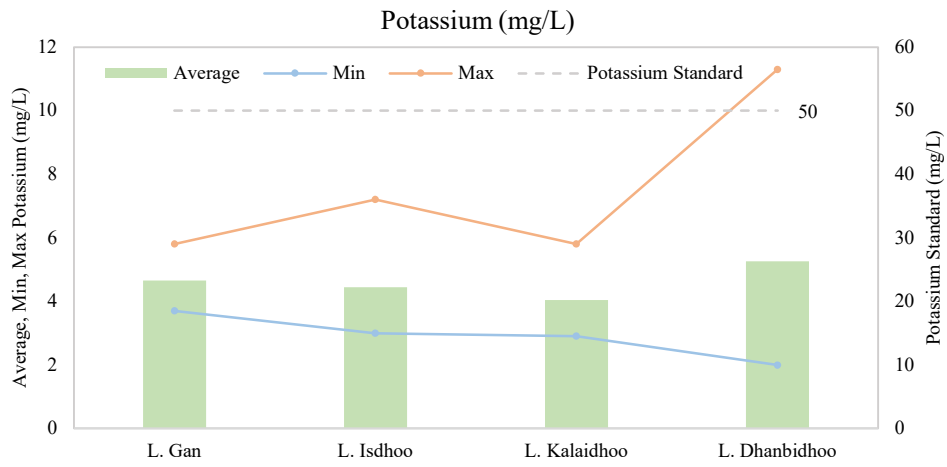












**L. Gan**



**L. Isdhoo**





**L. Kalaidhoo**



**L. Dhanbidhoo**







<p>אנחנו מודים לך על שיתוף הפעולה והתמיכה שלך במהלך כל השנה האחרונה. אנחנו מקווים שתיהנה מהחופשה שלך ונראה שנת חדשית.</p>	
<p><b>הערות</b></p> <p>אנחנו מודים לך על שיתוף הפעולה והתמיכה שלך במהלך כל השנה האחרונה. אנחנו מקווים שתיהנה מהחופשה שלך ונראה שנת חדשית.</p>	
<p><b>הערות נוספות</b></p> <p>אנחנו מודים לך על שיתוף הפעולה והתמיכה שלך במהלך כל השנה האחרונה. אנחנו מקווים שתיהנה מהחופשה שלך ונראה שנת חדשית.</p>	

בשנת 2023, אנחנו מודים לך על שיתוף הפעולה והתמיכה שלך במהלך כל השנה האחרונה. אנחנו מקווים שתיהנה מהחופשה שלך ונראה שנת חדשית.

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