मलंगवा नगरपालिकामा भूमिगत पानीको परीक्षण प्रतिवेदन, २०८०

परीक्षण सहयोग

संघीय खानेपानी तथा ढल व्यवस्थापन आयोजना

पानी परीक्षण प्रयोगशाला जनकपुर

मलंगवा नगरपालिका

नगरकार्यपालिकाको कार्यालय

मलगवा, सर्लाही

मलगवा नगरपालिकाको अनुरोधमा संघीय खानेपानी तथा ढल व्यवस्थापन आयोजना पानी परीक्षण प्रयोगशाला, जनकपुरबाट २०८० जेठ महिनामा केमिस्ट सुनिल चौधरी र सहायक केमिस्ट मनोज अधिकारी संलग्न भएको समूहबाट नगरपालिकाको सबै वडाहरू समेटी विभिन्न ३९ स्थानबाट नमुना सङ्कलन तथा परीक्षण गरी प्राप्त भएको प्रारम्भिक नतिजा सार्वजनिक गरिएको छ।

मिति २०८० जेठ २४

नागेन्द्र प्रसाद यादव
नगर प्रमुख

Government of Nepal
Ministry of Water supply
Department of Water Supply And Sewerage Management
Federal Water Supply And Sewerage Mangement Project
Water Quality Testing Laboratory
Janakpurdham, Dhanusha

Water Quality Test Report

Name of Client :-34. Malangwa Ward No. 12 Office & Health Post., Malangwa-12
Sample Code :-34/ Mlng, Srlh
Sampled By :- MKA
Source of sample :- Tubewell (225ft)
Type of Sample :- Drinking Water
Location :- Malangwa-12, Gamhariya , Sarlahi

Date of Collection :-09/02/2080
Date of Analysis :-09/02/2080
Date of Completion :-11/02/2080

S.N.	Category	Parameter	Observed Value	NDWQS 2079 B.S.	Analysed Method
1	Physical	Turbidity	7.2	5	Nephelometeric
2		Temperature(°C)	34		Thermometric
3		Colour	–	Non Objectionable	
4		PH	7.6	6.5-8.5*	Instrumental
5		Electrical Conductivity(µs/cm)	393	1500	Instrumental
6		TDS (mg/l)	247	1000	Instrumental
7	Chemical	Iron (mg/l)	0.55	0.3	Phenanthroline Method
8		Manganese (mg/l)	–	0.2	Persulphate Method
9		Arsenic (mg/l)	0.02	0.05	Digital Arsenator
10		Ammonia (mg/l)	–	1.5	Nesselarization
11		Nitrate (mg/l)	–	50	UV Spectrophotometer Screening
12		Fluoride (mg/l)	–	0.5-1.5*	SPANDS Colorimeteric
13		Chloride (mg/l)	–	250	Argentometric Titration
14		Total Hardness (mg/l, as $CaCO_3$)	156	500	EDTA Titration
15		Calcium Hardness (mg/l)	110	200	EDTA Titration
16		Residual Chlorine (mg/l)	–	0.1-0.5*	Chlorine Comparator
17	Microbiologcal	Fecal coliform *E.coli* (CFU/100ml)	0	0	Membrane Filtration

- *These values show lower and upper limit.
- Values in ()parentheses refer the acceptable values only when alternative is not available
- NOTE:- The entire test was conducted as per the National Driking Water Quality Guide Line, (MPPW/GovN)
- TNTC :- Too Numerous Too Count

Analysed By

Verified By
सुरेश चौधरी
केमिष्ट

****

Government of Nepal
Ministry of Water supply
Department of Water Supply And Sewerage Management
Federal Water Supply And Sewerage Mangement Project
Water Quality Testing Laboratory
Janakpurdham, Dhanusha

Water Quality Test Report

Name of Client :- 1. Malangwa Ward No. 2 Office, Malangwa Na. Pa.-02
Sample Code :-1/ Mlng,Srlh
Sampled By :- MKA
Source of sample :- Tubewell(280ft)
Type of Sample :- Drinking Water
Location :- Manlangwa-02, Malngwa, Sarlahi

Date of Collection :-08/02/2080
Date of Analysis :-08/02/2080
Date of Completion :-10/02/2080

S.N.	Category	Parameter	Observed Value	NDWQS 2079 B.S.	Analysed Method
1	Physical	Turbidity	2	5	Nephelometeric
2		Temperature(°C)	36		Thermometric
3		Colour	–	Non Objectionable	
4		PH	7.8	6.5-8.5*	Instrumental
5		Electrical Conductivity(µs/cm)	369	1500	Instrumental
6		TDS (mg/l)	232	1000	Instrumental
7	Chemical	Iron (mg/l)	**0.6**	0.3	Phenanthroline Method
8		Manganese (mg/l)	–	0.2	Persulphate Method
9		Arsenic (mg/l)	0.02	0.05	Digital Arsenator
10		Ammonia (mg/l)	–	1.5	Nesselarization
11		Nitrate (mg/l)	–	50	UV Spectrophotometer Screening
12		Fluoride (mg/l)	–	0.5-1.5*	SPANDS Colorimeteric
13		Chloride (mg/l)	–	250	Argentometric Titration
14		Total Hardness (mg/l, as $CaCO_3$)	160	500	EDTA Titration
15		Calcium Hardness (mg/l)	110	200	EDTA Titration
16		Residual Chlorine (mg/l)	–	0.1-0.5*	Chlorine Comparator
17	Microbiologcal	Fecal coliform *E.coli* (CFU/100ml)	0	0	Membrane Filtration

- *These values show lower and upper limit.
- Values in ()parentheses refer the acceptable values only when alternative is not available
- NOTE:- The entire test was conducted as per the National Driking Water Quality Guide Line, (MPPW/GovN)
- TNTC :- Too Numerous Too Count

Analysed By

Verified By
सुनिल चौधरी
केमिष्ट

****

Government of Nepal
Ministry of Water supply
Department of Water Supply And Sewerage Management
Federal Water Supply And Sewerage Mangement Project
Water Quality Testing Laboratory
Janakpurdham, Dhanusha

Water Quality Test Report

Name of Client :- 2. Shree Public Ma. Vi., Malangwa Na. Pa.-02
Sample Code :-2 / Mlng,Srlh
Sampled By :- MKA
Source of sample :- Tubewell(200ft)
Type of Sample :- Drinking Water
Location :- Manlangwa-02, Malngwa, Sarlahi

Date of Collection :-08/02/2080
Date of Analysis :-08/02/2080
Date of Completion :-10/02/2080

S.N.	Category	Parameter	Observed Value	NDWQS 2079 B.S.	Analysed Method
1	Physical	Turbidity	2.3	5	Nephelometeric
2		Temperature(°C)	36		Thermometric
3		Colour	–	Non Objectionable	
4		PH	7.7	6.5-8.5*	Instrumental
5		Electrical Conductivity(µs/cm)	360	1500	Instrumental
6		TDS (mg/l)	226	1000	Instrumental
7	Chemical	Iron (mg/l)	**0.35**	0.3	Phenanthroline Method
8		Manganese (mg/l)	–	0.2	Persulphate Method
9		Arsenic (mg/l)	0.02	0.05	Digital Arsenator
10		Ammonia (mg/l)	–	1.5	Nesselarization
11		Nitrate (mg/l)	–	50	UV Spectrophotometer Screening
12		Fluoride (mg/l)	–	0.5-1.5*	SPANDS Colorimeteric
13		Chloride (mg/l)	–	250	Argentometric Titration
14		Total Hardness (mg/l, as $CaCO_3$)	160	500	EDTA Titration
15		Calcium Hardness (mg/l)	90	200	EDTA Titration
16		Residual Chlorine (mg/l)	–	0.1-0.5*	Chlorine Comparator
17	Microbiologcal	Fecal coliform *E.coli* (CFU/100ml)	**2**	0	Membrane Filtration

- *These values show lower and upper limit.
- Values in ()parentheses refer the acceptable values only when alternative is not available
- NOTE:- The entire test was conducted as per the National Driking Water Quality Guide Line, (MPPW/GovN)
- TNTC :- Too Numerous Too Count

Analysed By

Verified By
सुनिल चौधरी
केमिष्ट

****

Government of Nepal
Ministry of Water supply
Department of Water Supply And Sewerage Management
Federal Water Supply And Sewerage Mangement Project
Water Quality Testing Laboratory
Janakpurdham, Dhanusha

Water Quality Test Report

Name of Client :- 3. Commmunity Tubewell Malngwa Hatiya., Malangwa Na. Pa.-02
Sample Code :-3 / Mlng,Srlh
Sampled By :- MKA
Source of sample :- Tubewell(200ft)
Type of Sample :- Drinking Water
Location :- Manlangwa-02, Malngwa, Sarlahi

Date of Collection :-08/02/2080
Date of Analysis :-08/02/2080
Date of Completion :-10/02/2080

S.N.	Category	Parameter	Observed Value	NDWQS 2079 B.S.	Analysed Method
1	Physical	Turbidity	1.1	5	Nephelometeric
2		Temperature(°C)	36		Thermometric
3		Colour	–	Non Objectionable	
4		PH	7.7	6.5-8.5*	Instrumental
5		Electrical Conductivity(µs/cm)	368	1500	Instrumental
6		TDS (mg/l)	231	1000	Instrumental
7	Chemical	Iron (mg/l)	0.3	0.3	Phenanthroline Method
8		Manganese (mg/l)	–	0.2	Persulphate Method
9		Arsenic (mg/l)	0.04	0.05	Digital Arsenator
10		Ammonia (mg/l)	–	1.5	Nesselarization
11		Nitrate (mg/l)	–	50	UV Spectrophotometer Screening
12		Fluoride (mg/l)	–	0.5-1.5*	SPANDS Colorimeteric
13		Chloride (mg/l)	–	250	Argentometric Titration
14		Total Hardness (mg/l, as $CaCO_3$)	170	500	EDTA Titration
15		Calcium Hardness (mg/l)	110	200	EDTA Titration
16		Residual Chlorine (mg/l)	–	0.1-0.5*	Chlorine Comparator
17	Microbiologcal	Fecal coliform *E.coli* (CFU/100ml)	0	0	Membrane Filtration

- *These values show lower and upper limit.
- Values in ()parentheses refer the acceptable values only when alternative is not available
- NOTE:- The entire test was conducted as per the National Driking Water Quality Guide Line, (MPPW/GovN)
- TNTC :- Too Numerous Too Count

Analysed By

Verified By
सुनिल चौधरी
केमिष्ट

****

Government of Nepal
Ministry of Water supply
Department of Water Supply And Sewerage Management
Federal Water Supply And Sewerage Mangement Project
Water Quality Testing Laboratory
Janakpurdham, Dhanusha

Water Quality Test Report

Name of Client :- 4. Shree Saraswati Janata Aadharbhut(1-7)., Malangwa Na. Pa.-01
Sample Code :-4 / MIng,Srlh
Sampled By :- MKA
Source of sample :- Tubewell(250ft)
Type of Sample :- Drinking Water
Location :- Manlangwa-01, Malngwa, Sarlahi

Date of Collection :-08/02/2080
Date of Analysis :-08/02/2080
Date of Completion :-10/02/2080

S.N.	Category	Parameter	Observed Value	NDWQS 2079 B.S.	Analysed Method
1	Physical	Turbidity	2.4	5	Nephelometeric
2		Temperature(°C)	36		Thermometric
3		Colour	–	Non Objectionable	
4		PH	7.7	6.5-8.5*	Instrumental
5		Electrical Conductivity(µs/cm)	375	1500	Instrumental
6		TDS (mg/l)	236	1000	Instrumental
7	Chemical	Iron (mg/l)	0.15	0.3	Phenanthroline Method
8		Manganese (mg/l)	–	0.2	Persulphate Method
9		Arsenic (mg/l)	0.02	0.05	Digital Arsenator
10		Ammonia (mg/l)	–	1.5	Nesselarization
11		Nitrate (mg/l)	–	50	UV Spectrophotometer Screening
12		Fluoride (mg/l)	–	0.5-1.5*	SPANDS Colorimeteric
13		Chloride (mg/l)	–	250	Argentometric Titration
14		Total Hardness (mg/l, as $CaCO_3$)	160	500	EDTA Titration
15		Calcium Hardness (mg/l)	90	200	EDTA Titration
16		Residual Chlorine (mg/l)	–	0.1-0.5*	Chlorine Comparator
17	Microbiologcal	Fecal coliform *E.coli* (CFU/100ml)	0	0	Membrane Filtration

- *These values show lower and upper limit.
- Values in ()parentheses refer the acceptable values only when alternative is not available
- NOTE:- The entire test was conducted as per the National Driking Water Quality Guide Line, (MPPW/GovN)
- TNTC :- Too Numerous Too Count

Analysed By

Verified By
सुनिल चौधरी
केमिष्ट

****

Government of Nepal
Ministry of Water supply
Department of Water Supply And Sewerage Management
Federal Water Supply And Sewerage Mangement Project
Water Quality Testing Laboratory
Janakpurdham, Dhanusha

Water Quality Test Report

Name of Client :- 5. Malangwa Ward No. 1 Office, Malangwa Na. Pa.-01
Sample Code :-5 / Mlng,Srlh
Sampled By :- MKA
Source of sample :- Tubewell(95ft)
Type of Sample :- Drinking Water
Location :- Manlangwa-01, Malngwa, Sarlahi

Date of Collection :-08/02/2080
Date of Analysis :-08/02/2080
Date of Completion :-10/02/2080

S.N.	Category	Parameter	Observed Value	NDWQS 2079 B.S.	Analysed Method
1	Physical	Turbidity	2.1	5	Nephelometeric
2		Temperature(°C)	36		Thermometric
3		Colour	–	Non Objectionable	
4		PH	7	6.5-8.5*	Instrumental
5		Electrical Conductivity(µs/cm)	1259	1500	Instrumental
6		TDS (mg/l)	793	1000	Instrumental
7	Chemical	Iron (mg/l)	**0.55**	0.3	Phenanthroline Method
8		Manganese (mg/l)	–	0.2	Persulphate Method
9		Arsenic (mg/l)	<0.01	0.05	Digital Arsenator
10		Ammonia (mg/l)	–	1.5	Nesselarization
11		Nitrate (mg/l)	–	50	UV Spectrophotometer Screening
12		Fluoride (mg/l)	–	0.5-1.5*	SPANDS Colorimeteric
13		Chloride (mg/l)	–	250	Argentometric Titration
14		Total Hardness (mg/l, as $CaCO_3$)	400	500	EDTA Titration
15		Calcium Hardness (mg/l)	260	200	EDTA Titration
16		Residual Chlorine (mg/l)	–	0.1-0.5*	Chlorine Comparator
17	Microbiologcal	Fecal coliform *E.coli* (CFU/100ml)	0	0	Membrane Filtration

- *These values show lower and upper limit.
- Values in ()parentheses refer the acceptable values only when alternative is not available
- NOTE:- The entire test was conducted as per the National Driking Water Quality Guide Line, (MPPW/GovN)
- TNTC :- Too Numerous Too Count

Analysed By

Verified By
सुनिल चौधरी
केमिष्ट

Government of Nepal
Ministry of Water supply
Department of Water Supply And Sewerage Management
Federal Water Supply And Sewerage Mangement Project
Water Quality Testing Laboratory
Janakpurdham, Dhanusha

Water Quality Test Report

Name of Client :- 6. Shree Utpidit Dalit Vi.,(Infront Of School Tubewell Pvt.) Malangwa Na. Pa.-06
Sample Code :-6 / Mlng,Srlh
Sampled By :- MKA
Source of sample :- Tubewell
Type of Sample :- Drinking Water
Location :- Manlangwa-06, Sukhainiya, Sarlahi

Date of Collection :-08/02/2080
Date of Analysis :-08/02/2080
Date of Completion :-10/02/2080

S.N.	Category	Parameter	Observed Value	NDWQS 2079 B.S.	Analysed Method
1	Physical	Turbidity	7.2	5	Nephelometeric
2		Temperature(°C)	36		Thermometric
3		Colour	–	Non Objectionable	
4		PH	7.6	6.5-8.5*	Instrumental
5		Electrical Conductivity(µs/cm)	364	1500	Instrumental
6		TDS (mg/l)	229	1000	Instrumental
7	Chemical	Iron (mg/l)	0.45	0.3	Phenanthroline Method
8		Manganese (mg/l)	–	0.2	Persulphate Method
9		Arsenic (mg/l)	0.05	0.05	Digital Arsenator
10		Ammonia (mg/l)	–	1.5	Nesselarization
11		Nitrate (mg/l)	–	50	UV Spectrophotometer Screening
12		Fluoride (mg/l)	–	0.5-1.5*	SPANDS Colorimeteric
13		Chloride (mg/l)	–	250	Argentometric Titration
14		Total Hardness (mg/l, as $CaCO_3$)	190	500	EDTA Titration
15		Calcium Hardness (mg/l)	110	200	EDTA Titration
16		Residual Chlorine (mg/l)	–	0.1-0.5*	Chlorine Comparator
17	Microbiologcal	Fecal coliform *E.coli* (CFU/100ml)	0	0	Membrane Filtration

- *These values show lower and upper limit.
- Values in ()parentheses refer the acceptable values only when alternative is not available
- NOTE:- The entire test was conducted as per the National Driking Water Quality Guide Line, (MPPW/GovN)
- TNTC :- Too Numerous Too Count

Analysed By

Verified By
सुनिल चौधरी
केमिष्ट

****

Government of Nepal
Ministry of Water supply
Department of Water Supply And Sewerage Management
Federal Water Supply And Sewerage Mangement Project
Water Quality Testing Laboratory
Janakpurdham, Dhanusha

Water Quality Test Report

Name of Client :- 7. Maharaniji Ko Mandir Agadiko Tubewell., Malangwa Na. Pa.-06
Sample Code :-7 / Mlng,Srlh
Sampled By :- MKA
Source of sample :- Tubewell(250ft)
Type of Sample :- Drinking Water
Location :- Manlangwa-06, Sukhainiya, Sarlahi

Date of Collection :-08/02/2080
Date of Analysis :-08/02/2080
Date of Completion :-10/02/2080

S.N.	Category	Parameter	Observed Value	NDWQS 2079 B.S.	Analysed Method
1	Physical	Turbidity	**5.3**	5	Nephelometeric
2		Temperature(°C)	36		Thermometric
3		Colour	–	Non Objectionable	
4		PH	7.4	6.5-8.5*	Instrumental
5		Electrical Conductivity(µs/cm)	440	1500	Instrumental
6		TDS (mg/l)	277	1000	Instrumental
7	Chemical	Iron (mg/l)	**0.55**	0.3	Phenanthroline Method
8		Manganese (mg/l)	–	0.2	Persulphate Method
9		Arsenic (mg/l)	0.04	0.05	Digital Arsenator
10		Ammonia (mg/l)	–	1.5	Nesselarization
11		Nitrate (mg/l)	–	50	UV Spectrophotometer Screening
12		Fluoride (mg/l)	–	0.5-1.5*	SPANDS Colorimeteric
13		Chloride (mg/l)	–	250	Argentometric Titration
14		Total Hardness (mg/l, as $CaCO_3$)	160	500	EDTA Titration
15		Calcium Hardness (mg/l)	84	200	EDTA Titration
16		Residual Chlorine (mg/l)	–	0.1-0.5*	Chlorine Comparator
17	Microbiologcal	Fecal coliform *E.coli* (CFU/100ml)	0	0	Membrane Filtration

- *These values show lower and upper limit.
- Values in ()parentheses refer the acceptable values only when alternative is not available
- NOTE:- The entire test was conducted as per the National Driking Water Quality Guide Line, (MPPW/GovN)
- TNTC :- Too Numerous Too Count

Analysed By

Verified By
सुनिल चौधरी
केमिष्ट

****

Government of Nepal
Ministry of Water supply
Department of Water Supply And Sewerage Management
Federal Water Supply And Sewerage Mangement Project
Water Quality Testing Laboratory
Janakpurdham, Dhanusha

Water Quality Test Report

Name of Client :- 8A. APF Khutauna North Side Tubewell., Malangwa Na. Pa.-06
Sample Code :-8A/ Mlng,Srlh
Sampled By :- MKA
Source of sample :- Tubewell
Type of Sample :- Drinking Water
Location :- Manlangwa-06, Khutauna, Sarlahi

Date of Collection :-08/02/2080
Date of Analysis :-08/02/2080
Date of Completion :-10/02/2080

S.N.	Category	Parameter	Observed Value	NDWQS 2079 B.S.	Analysed Method
1	Physical	Turbidity	6.8	5	Nephelometeric
2		Temperature(°C)	36		Thermometric
3		Colour	–	Non Objectionable	
4		PH	7.4	6.5-8.5*	Instrumental
5		Electrical Conductivity(µs/cm)	434	1500	Instrumental
6		TDS (mg/l)	273	1000	Instrumental
7	Chemical	Iron (mg/l)	0.5	0.3	Phenanthroline Method
8		Manganese (mg/l)	–	0.2	Persulphate Method
9		Arsenic (mg/l)	0.04	0.05	Digital Arsenator
10		Ammonia (mg/l)	–	1.5	Nesselarization
11		Nitrate (mg/l)	–	50	UV Spectrophotometer Screening
12		Fluoride (mg/l)	–	0.5-1.5*	SPANDS Colorimeteric
13		Chloride (mg/l)	–	250	Argentometric Titration
14		Total Hardness (mg/l, as $CaCO_3$)	190	500	EDTA Titration
15		Calcium Hardness (mg/l)	150	200	EDTA Titration
16		Residual Chlorine (mg/l)	–	0.1-0.5*	Chlorine Comparator
17	Microbiologcal	Fecal coliform *E.coli* (CFU/100ml)	0	0	Membrane Filtration

- *These values show lower and upper limit.
- Values in ()parentheses refer the acceptable values only when alternative is not available
- NOTE:- The entire test was conducted as per the National Driking Water Quality Guide Line, (MPPW/GovN)
- TNTC :- Too Numerous Too Count

Analysed By
अशोक कुमार अधिकारी
असिस्टेन्ट केमिष्ट

सुनिल चौधरी
केमिष्ट

****

Government of Nepal
Ministry of Water supply
Department of Water Supply And Sewerage Management
Federal Water Supply And Sewerage Mangement Project
Water Quality Testing Laboratory
Janakpurdham, Dhanusha

Water Quality Test Report

Name of Client :- 8B. APF Khutauna South Side Tubewell., Malangwa Na. Pa.-06
Sample Code :-8B/ Mlng,Srlh
Sampled By :- MKA
Source of sample :- Tubewell
Type of Sample :- Drinking Water
Location :- Manlangwa-06, Khutauna, Sarlahi

Date of Collection :-08/02/2080
Date of Analysis :-08/02/2080
Date of Completion :-10/02/2080

S.N.	Category	Parameter	Observed Value	NDWQS 2079 B.S.	Analysed Method
1	Physical	Turbidity	5	5	Nephelometeric
2		Temperature(°C)	36		Thermometric
3		Colour	–	Non Objectionable	
4		PH	7.7	6.5-8.5*	Instrumental
5		Electrical Conductivity(µs/cm)	437	1500	Instrumental
6		TDS (mg/l)	275	1000	Instrumental
7	Chemical	Iron (mg/l)	**0.55**	0.3	Phenanthroline Method
8		Manganese (mg/l)	–	0.2	Persulphate Method
9		Arsenic (mg/l)	0.04	0.05	Digital Arsenator
10		Ammonia (mg/l)	–	1.5	Nesselarization
11		Nitrate (mg/l)	–	50	UV Spectrophotometer Screening
12		Fluoride (mg/l)	–	0.5-1.5*	SPANDS Colorimeteric
13		Chloride (mg/l)	–	250	Argentometric Titration
14		Total Hardness (mg/l, as $CaCO_3$)	210	500	EDTA Titration
15		Calcium Hardness (mg/l)	130	200	EDTA Titration
16		Residual Chlorine (mg/l)	–	0.1-0.5*	Chlorine Comparator
17	Microbiologcal	Fecal coliform *E.coli* (CFU/100ml)	0	0	Membrane Filtration

- *These values show lower and upper limit.
- Values in ()parentheses refer the acceptable values only when alternative is not available
- NOTE:- The entire test was conducted as per the National Driking Water Quality Guide Line, (MPPW/GovN)
- TNTC :- Too Numerous Too Count

Analysed By

Verified By
सुनिल चौधरी
केमिष्ट

****

Government of Nepal
Ministry of Water supply
Department of Water Supply And Sewerage Management
Federal Water Supply And Sewerage Mangement Project
Water Quality Testing Laboratory
Janakpurdham, Dhanusha

Water Quality Test Report

Name of Client :- 8B. APF Khutauna South Side Tubewell., Malangwa Na. Pa.-06
Sample Code :-8B/ Mlng,Srlh
Sampled By :- MKA
Source of sample :- Tubewell
Type of Sample :- Drinking Water
Location :- Manlangwa-06, Khutauna, Sarlahi

Date of Collection :-08/02/2080
Date of Analysis :-08/02/2080
Date of Completion :-10/02/2080

S.N.	Category	Parameter	Observed Value	NDWQS 2079 B.S.	Analysed Method
1	Physical	Turbidity	5	5	Nephelometeric
2		Temperature(°C)	36		Thermometric
3		Colour	–	Non Objectionable	
4		PH	7.7	6.5-8.5*	Instrumental
5		Electrical Conductivity(µs/cm)	437	1500	Instrumental
6		TDS (mg/l)	275	1000	Instrumental
7	Chemical	Iron (mg/l)	**0.55**	0.3	Phenanthroline Method
8		Manganese (mg/l)	–	0.2	Persulphate Method
9		Arsenic (mg/l)	0.04	0.05	Digital Arsenator
10		Ammonia (mg/l)	–	1.5	Nesselarization
11		Nitrate (mg/l)	–	50	UV Spectrophotometer Screening
12		Fluoride (mg/l)	–	0.5-1.5*	SPANDS Colorimeteric
13		Chloride (mg/l)	–	250	Argentometric Titration
14		Total Hardness (mg/l, as $CaCO_3$)	210	500	EDTA Titration
15		Calcium Hardness (mg/l)	130	200	EDTA Titration
16		Residual Chlorine (mg/l)	–	0.1-0.5*	Chlorine Comparator
17	Microbiologcal	Fecal coliform *E.coli* (CFU/100ml)	0	0	Membrane Filtration

- *These values show lower and upper limit.
- Values in ()parentheses refer the acceptable values only when alternative is not available
- NOTE:- The entire test was conducted as per the National Driking Water Quality Guide Line, (MPPW/GovN)
- TNTC :- Too Numerous Too Count

Analysed By
गणेश कुमार अधिकारी
असिस्टेन्ट केमिष्ट

Verified By
सुनिल चौधरी
केमिष्ट

****

Government of Nepal
Ministry of Water supply
Department of Water Supply And Sewerage Management
Federal Water Supply And Sewerage Mangement Project
Water Quality Testing Laboratory
Janakpurdham, Dhanusha

Water Quality Test Report

Name of Client :- 9. Shree Janata Ni. Ma. Vi. ., Malangwa Na. Pa.-06
Sample Code :-9/ Mlng,Srlh
Sampled By :- MKA
Source of sample :- Tubewell (100ft)
Type of Sample :- Drinking Water
Location :- Manlangwa-06, Khutauna, Sarlahi

Date of Collection :-08/02/2080
Date of Analysis :-08/02/2080
Date of Completion :-10/02/2080

S.N.	Category	Parameter	Observed Value	NDWQS 2079 B.S.	Analysed Method
1	Physical	Turbidity	12.3	5	Nephelometeric
2		Temperature(°C)	36		Thermometric
3		Colour	–	Non Objectionable	
4		PH	7.2	6.5-8.5*	Instrumental
5		Electrical Conductivity(µs/cm)	352	1500	Instrumental
6		TDS (mg/l)	221	1000	Instrumental
7	Chemical	Iron (mg/l)	0.4	0.3	Phenanthroline Method
8		Manganese (mg/l)	–	0.2	Persulphate Method
9		Arsenic (mg/l)	0.05	0.05	Digital Arsenator
10		Ammonia (mg/l)	–	1.5	Nesselarization
11		Nitrate (mg/l)	–	50	UV Spectrophotometer Screening
12		Fluoride (mg/l)	–	0.5-1.5*	SPANDS Colorimeteric
13		Chloride (mg/l)	–	250	Argentometric Titration
14		Total Hardness (mg/l, as $CaCO_3$)	184	500	EDTA Titration
15		Calcium Hardness (mg/l)	108	200	EDTA Titration
16		Residual Chlorine (mg/l)	–	0.1-0.5*	Chlorine Comparator
17	Microbiologcal	Fecal coliform *E.coli* (CFU/100ml)	0	0	Membrane Filtration

- *These values show lower and upper limit.
- Values in ()parentheses refer the acceptable values only when alternative is not available
- NOTE:- The entire test was conducted as per the National Driking Water Quality Guide Line, (MPPW/GovN)
- TNTC :- Too Numerous Too Count

Analysed By

Verified By
सुनिल चौधरी
केमिष्ट

****

Government of Nepal
Ministry of Water supply
Department of Water Supply And Sewerage Management
Federal Water Supply And Sewerage Mangement Project
Water Quality Testing Laboratory
Janakpurdham, Dhanusha

Water Quality Test Report

Name of Client :- 11. Shree Ram Gulam Janata Ma. Vi. ., Malangwa Na. Pa.-05
Sample Code :-11/ Mlng,Srlh
Sampled By :- MKA
Source of sample :- Tubewell
Type of Sample :- Drinking Water
Location :- Manlangwa-05, Dhrampur Bhadsar, Sarlahi

Date of Collection :-08/02/2080
Date of Analysis :-08/02/2080
Date of Completion :-10/02/2080

S.N.	Category	Parameter	Observed Value	NDWQS 2079 B.S.	Analysed Method
1	Physical	Turbidity	**5.3**	5	Nephelometeric
2		Temperature(°C)	36		Thermometric
3		Colour	–	Non Objectionable	
4		PH	7.4	6.5-8.5*	Instrumental
5		Electrical Conductivity(µs/cm)	403	1500	Instrumental
6		TDS (mg/l)	253	1000	Instrumental
7	Chemical	Iron (mg/l)	**0.55**	0.3	Phenanthroline Method
8		Manganese (mg/l)	–	0.2	Persulphate Method
9		Arsenic (mg/l)	0.05	0.05	Digital Arsenator
10		Ammonia (mg/l)	–	1.5	Nesselarization
11		Nitrate (mg/l)	–	50	UV Spectrophotometer Screening
12		Fluoride (mg/l)	–	0.5-1.5*	SPANDS Colorimeteric
13		Chloride (mg/l)	–	250	Argentometric Titration
14		Total Hardness (mg/l, as $CaCO_3$)	194	500	EDTA Titration
15		Calcium Hardness (mg/l)	124	200	EDTA Titration
16		Residual Chlorine (mg/l)	–	0.1-0.5*	Chlorine Comparator
17	Microbiologcal	Fecal coliform *E.coli* (CFU/100ml)	0	0	Membrane Filtration

- *These values show lower and upper limit.
- Values in ()parentheses refer the acceptable values only when alternative is not available
- NOTE:- The entire test was conducted as per the National Driking Water Quality Guide Line, (MPPW/GovN)
- TNTC :- Too Numerous Too Count

Analysed By

Verified By
सुनिल चौधरी
केमिष्ट

****

Government of Nepal
Ministry of Water supply
Department of Water Supply And Sewerage Management
Federal Water Supply And Sewerage Mangement Project
Water Quality Testing Laboratory
Janakpurdham, Dhanusha

Water Quality Test Report

Name of Client :- 12. Malangwa ward No. -05 & Healyh Post., Malangwa Na. Pa.-05
Sample Code :-12/ Mlng,Srlh
Sampled By :- MKA
Source of sample :- Tubewell(80ft)
Type of Sample :- Drinking Water
Location :- Manlangwa-05, Bhadsar, Sarlahi

Date of Collection :-08/02/2080
Date of Analysis :-08/02/2080
Date of Completion :-10/02/2080

S.N.	Category	Parameter	Observed Value	NDWQS 2079 B.S.	Analysed Method
1	Physical	Turbidity	6.8	5	Nephelometeric
2		Temperature(°C)	36		Thermometric
3		Colour	–	Non Objectionable	
4		PH	7.5	6.5-8.5*	Instrumental
5		Electrical Conductivity(µs/cm)	350	1500	Instrumental
6		TDS (mg/l)	220	1000	Instrumental
7	Chemical	Iron (mg/l)	0.45	0.3	Phenanthroline Method
8		Manganese (mg/l)	–	0.2	Persulphate Method
9		Arsenic (mg/l)	0.01	0.05	Digital Arsenator
10		Ammonia (mg/l)	–	1.5	Nesselarization
11		Nitrate (mg/l)	–	50	UV Spectrophotometer Screening
12		Fluoride (mg/l)	–	0.5-1.5*	SPANDS Colorimeteric
13		Chloride (mg/l)	–	250	Argentometric Titration
14		Total Hardness (mg/l, as $CaCO_3$)	140	500	EDTA Titration
15		Calcium Hardness (mg/l)	110	200	EDTA Titration
16		Residual Chlorine (mg/l)	–	0.1-0.5*	Chlorine Comparator
17	Microbiologcal	Fecal coliform *E.coli* (CFU/100ml)	0	0	Membrane Filtration

- *These values show lower and upper limit.
- Values in ()parentheses refer the acceptable values only when alternative is not available
- NOTE:- The entire test was conducted as per the National Driking Water Quality Guide Line, (MPPW/GovN)
- TNTC :- Too Numerous Too Count

Analysed By
मनोज कुमार अधिकारी
असिस्टेन्ट केमिष्ट

Verified By
सुनिल चौधरी
केमिष्ट

****

Government of Nepal
Ministry of Water supply
Department of Water Supply And Sewerage Management
Federal Water Supply And Sewerage Mangement Project
Water Quality Testing Laboratory
Janakpurdham, Dhanusha

Water Quality Test Report

Name of Client :- 13. Shree Baudhidevi Ma. Vi.., Malangwa Na. Pa.-07
Sample Code :-13/ Mlng,Srlh
Sampled By :- MKA
Source of sample :- Tubewell(200ft)
Type of Sample :- Drinking Water
Location :- Manlangwa-07, Musaili, Sarlahi

Date of Collection :-08/02/2080
Date of Analysis :-08/02/2080
Date of Completion :-10/02/2080

S.N.	Category	Parameter	Observed Value	NDWQS 2079 B.S.	Analysed Method
1	Physical	Turbidity	4.4	5	Nephelometeric
2		Temperature(°C)	36		Thermometric
3		Colour	–	Non Objectionable	
4		PH	7.5	6.5-8.5*	Instrumental
5		Electrical Conductivity(µs/cm)	410	1500	Instrumental
6		TDS (mg/l)	258	1000	Instrumental
7	Chemical	Iron (mg/l)	0.5	0.3	Phenanthroline Method
8		Manganese (mg/l)	–	0.2	Persulphate Method
9		Arsenic (mg/l)	0.04	0.05	Digital Arsenator
10		Ammonia (mg/l)	–	1.5	Nesselarization
11		Nitrate (mg/l)	–	50	UV Spectrophotometer Screening
12		Fluoride (mg/l)	–	0.5-1.5*	SPANDS Colorimeteric
13		Chloride (mg/l)	–	250	Argentometric Titration
14		Total Hardness (mg/l, as $CaCO_3$)	170	500	EDTA Titration
15		Calcium Hardness (mg/l)	124	200	EDTA Titration
16		Residual Chlorine (mg/l)	–	0.1-0.5*	Chlorine Comparator
17	Microbiologcal	Fecal coliform *E.coli* (CFU/100ml)	0	0	Membrane Filtration

- *These values show lower and upper limit.
- Values in ()parentheses refer the acceptable values only when alternative is not available
- NOTE:- The entire test was conducted as per the National Driking Water Quality Guide Line, (MPPW/GovN)
- TNTC :- Too Numerous Too Count

Analysed By
गंगा कुमार अधिकारी
असिष्टेन्ट केमिष्ट

Verified By
सुनिल चौधरी
केमिष्ट

****

Government of Nepal
Ministry of Water supply
Department of Water Supply And Sewerage Management
Federal Water Supply And Sewerage Mangement Project
Water Quality Testing Laboratory
Janakpurdham, Dhanusha

Water Quality Test Report

Name of Client :- 13. Shree Baudhidevi Ma. Vi.., Malangwa Na. Pa.-07
Sample Code :-13/ Mlng,Srlh
Sampled By :- MKA
Source of sample :- Tubewell(200ft)
Type of Sample :- Drinking Water
Location :- Manlangwa-07, Musaili, Sarlahi

Date of Collection :-08/02/2080
Date of Analysis :-08/02/2080
Date of Completion :-10/02/2080

S.N.	Category	Parameter	Observed Value	NDWQS 2079 B.S.	Analysed Method
1	Physical	Turbidity	4.4	5	Nephelometeric
2		Temperature(°C)	36		Thermometric
3		Colour	–	Non Objectionable	
4		PH	7.5	6.5-8.5*	Instrumental
5		Electrical Conductivity(µs/cm)	410	1500	Instrumental
6		TDS (mg/l)	258	1000	Instrumental
7	Chemical	Iron (mg/l)	**0.5**	0.3	Phenanthroline Method
8		Manganese (mg/l)	–	0.2	Persulphate Method
9		Arsenic (mg/l)	0.04	0.05	Digital Arsenator
10		Ammonia (mg/l)	–	1.5	Nesselarization
11		Nitrate (mg/l)	–	50	UV Spectrophotometer Screening
12		Fluoride (mg/l)	–	0.5-1.5*	SPANDS Colorimeteric
13		Chloride (mg/l)	–	250	Argentometric Titration
14		Total Hardness (mg/l, as $CaCO_3$)	170	500	EDTA Titration
15		Calcium Hardness (mg/l)	124	200	EDTA Titration
16		Residual Chlorine (mg/l)	–	0.1-0.5*	Chlorine Comparator
17	Microbiologcal	Fecal coliform *E.coli* (CFU/100ml)	0	0	Membrane Filtration

- *These values show lower and upper limit.
- Values in ()parentheses refer the acceptable values only when alternative is not available
- NOTE:- The entire test was conducted as per the National Driking Water Quality Guide Line, (MPPW/GovN)
- TNTC :- Too Numerous Too Count

Analysed By
गणेश कुमार अधिकारी
असिष्टेन्ट केमिष्ट

Verified By
सुनिल चौधरी
केमिष्ट

****

Government of Nepal
Ministry of Water supply
Department of Water Supply And Sewerage Management
Federal Water Supply And Sewerage Mangement Project
Water Quality Testing Laboratory
Janakpurdham, Dhanusha

Water Quality Test Report

Name of Client :- 14. Baudhimai Mandir., Malangwa Na. Pa.-03
Sample Code :-14/ Mlng,Srlh
Sampled By :- MKA
Source of sample :- Tubewell
Type of Sample :- Drinking Water

Date of Collection :-08/02/2080
Date of Analysis :-08/02/2080
Date of Completion :-10/02/2080

Location :- Manlangwa-03, Salhes Chowk, Sarlahi

S.N.	Category	Parameter	Observed Value	NDWQS 2079 B.S.	Analysed Method
1	Physical	Turbidity	5	5	Nephelometeric
2		Temperature(°C)	36		Thermometric
3		Colour	–	Non Objectionable	
4		PH	7.4	6.5-8.5*	Instrumental
5		Electrical Conductivity(µs/cm)	447	1500	Instrumental
6		TDS (mg/l)	281	1000	Instrumental
7	Chemical	Iron (mg/l)	**0.55**	0.3	Phenanthroline Method
8		Manganese (mg/l)	–	0.2	Persulphate Method
9		Arsenic (mg/l)	0.05	0.05	Digital Arsenator
10		Ammonia (mg/l)	–	1.5	Nesselarization
11		Nitrate (mg/l)	–	50	UV Spectrophotometer Screening
12		Fluoride (mg/l)	–	0.5-1.5*	SPANDS Colorimeteric
13		Chloride (mg/l)	–	250	Argentometric Titration
14		Total Hardness (mg/l, as $CaCO_3$)	200	500	EDTA Titration
15		Calcium Hardness (mg/l)	124	200	EDTA Titration
16		Residual Chlorine (mg/l)	–	0.1-0.5*	Chlorine Comparator
17	Microbiologcal	Fecal coliform *E.coli* (CFU/100ml)	0	0	Membrane Filtration

- *These values show lower and upper limit.
- Values in ()parentheses refer the acceptable values only when alternative is not available
- NOTE:- The entire test was conducted as per the National Driking Water Quality Guide Line, (MPPW/GovN)
- TNTC :- Too Numerous Too Count

Analysed By
गणेश कुमार अधिकारी
असिष्टेन्ट केमिष्ट

Verified By
सुनिल चौधरी
केमिष्ट

****

Government of Nepal
Ministry of Water supply
Department of Water Supply And Sewerage Management
Federal Water Supply And Sewerage Mangement Project
Water Quality Testing Laboratory
Janakpurdham, Dhanusha

Water Quality Test Report

Name of Client :- 15. Community Tubewell Salhesh Mandir Agadi., Malangwa Na. Pa.-04
Sample Code :-15/ Mlng,Srlh
Sampled By :- MKA
Source of sample :- Tubewell
Type of Sample :- Drinking Water
Location :- Manlangwa-04, Shivsagar Chowk, Sarlahi

Date of Collection :-08/02/2080
Date of Analysis :-08/02/2080
Date of Completion :-10/02/2080

S.N.	Category	Parameter	Observed Value	NDWQS 2079 B.S.	Analysed Method
1	Physical	Turbidity	**16.3**	5	Nephelometeric
2		Temperature(°C)	36		Thermometric
3		Colour	–	Non Objectionable	
4		PH	7.3	6.5-8.5*	Instrumental
5		Electrical Conductivity(µs/cm)	523	1500	Instrumental
6		TDS (mg/l)	329	1000	Instrumental
7	Chemical	Iron (mg/l)	**0.55**	0.3	Phenanthroline Method
8		Manganese (mg/l)	–	0.2	Persulphate Method
9		Arsenic (mg/l)	0.03	0.05	Digital Arsenator
10		Ammonia (mg/l)	–	1.5	Nesselarization
11		Nitrate (mg/l)	–	50	UV Spectrophotometer Screening
12		Fluoride (mg/l)	–	0.5-1.5*	SPANDS Colorimeteric
13		Chloride (mg/l)	–	250	Argentometric Titration
14		Total Hardness (mg/l, as $CaCO_3$)	240	500	EDTA Titration
15		Calcium Hardness (mg/l)	130	200	EDTA Titration
16		Residual Chlorine (mg/l)	–	0.1-0.5*	Chlorine Comparator
17	Microbiologcal	Fecal coliform *E.coli* (CFU/100ml)	**90**	0	Membrane Filtration

- *These values show lower and upper limit.
- Values in ()parentheses refer the acceptable values only when alternative is not available
- NOTE:- The entire test was conducted as per the National Driking Water Quality Guide Line, (MPPW/GovN)
- TNTC :- Too Numerous Too Count

Analysed By
मनोज कुमार अधिकारी
असिष्टेन्ट केमिष्ट

Verified By
सुनिल चौधरी
केमिष्ट

****

Government of Nepal
Ministry of Water supply
Department of Water Supply And Sewerage Management
Federal Water Supply And Sewerage Mangement Project
Water Quality Testing Laboratory
Janakpurdham, Dhanusha

Water Quality Test Report

Name of Client :- 16. Malangwa Ward No.-04 Office & health Post., Malangwa Na. Pa.-04
Sample Code :-16/ Mlng,Srlh
Sampled By :- MKA
Source of sample :- Tubewell
Type of Sample :- Drinking Water
Location :- Manlangwa-04, Shivsagar Chowk, Sarlahi

Date of Collection :-08/02/2080
Date of Analysis :-08/02/2080
Date of Completion :-10/02/2080

S.N.	Category	Parameter	Observed Value	NDWQS 2079 B.S.	Analysed Method
1	Physical	Turbidity	**5.3**	5	Nephelometeric
2		Temperature(°C)	36		Thermometric
3		Colour	–	Non Objectionable	
4		PH	7.7	6.5-8.5*	Instrumental
5		Electrical Conductivity(µs/cm)	362	1500	Instrumental
6		TDS (mg/l)	228	1000	Instrumental
7	Chemical	Iron (mg/l)	**0.6**	0.3	Phenanthroline Method
8		Manganese (mg/l)	–	0.2	Persulphate Method
9		Arsenic (mg/l)	0.02	0.05	Digital Arsenator
10		Ammonia (mg/l)	–	1.5	Nesselarization
11		Nitrate (mg/l)	–	50	UV Spectrophotometer Screening
12		Fluoride (mg/l)	–	0.5-1.5*	SPANDS Colorimeteric
13		Chloride (mg/l)	–	250	Argentometric Titration
14		Total Hardness (mg/l, as $CaCO_3$)	150	500	EDTA Titration
15		Calcium Hardness (mg/l)	110	200	EDTA Titration
16		Residual Chlorine (mg/l)	–	0.1-0.5*	Chlorine Comparator
17	Microbiologcal	Fecal coliform *E.coli* (CFU/100ml)	**48**	0	Membrane Filtration

- *These values show lower and upper limit.
- Values in ()parentheses refer the acceptable values only when alternative is not available
- NOTE:- The entire test was conducted as per the National Driking Water Quality Guide Line, (MPPW/GovN)
- TNTC :- Too Numerous Too Count

Analysed By

Verified By
सुनिल चौधरी
वरिष्ठ

****

Government of Nepal
Ministry of Water supply
Department of Water Supply And Sewerage Management
Federal Water Supply And Sewerage Mangement Project
Water Quality Testing Laboratory
Janakpurdham, Dhanusha

Water Quality Test Report

Name of Client :-17. Shree Nagendra Pd. Yadav, Malangwa Na. Pa.-04
Sample Code :-17/ Mlng,Srlh
Sampled By :- MKA
Source of sample :- Tubewell(200ft)
Type of Sample :- Drinking Water
Location :- Manlangwa-04, Malangwa, Sarlahi

Date of Collection :-08/02/2080
Date of Analysis :-08/02/2080
Date of Completion :-10/02/2080

S.N.	Category	Parameter	Observed Value	NDWQS 2079 B.S.	Analysed Method
1	Physical	Turbidity	2.9	5	Nephelometeric
2		Temperature(°C)	36		Thermometric
3		Colour	–	Non Objectionable	
4		PH	7.5	6.5-8.5*	Instrumental
5		Electrical Conductivity(µs/cm)	404	1500	Instrumental
6		TDS (mg/l)	254	1000	Instrumental
7	Chemical	Iron (mg/l)	**0.65**	0.3	Phenanthroline Method
8		Manganese (mg/l)	–	0.2	Persulphate Method
9		Arsenic (mg/l)	0.02	0.05	Digital Arsenator
10		Ammonia (mg/l)	–	1.5	Nesselarization
11		Nitrate (mg/l)	–	50	UV Spectrophotometer Screening
12		Fluoride (mg/l)	–	0.5-1.5*	SPANDS Colorimeteric
13		Chloride (mg/l)	–	250	Argentometric Titration
14		Total Hardness (mg/l, as $CaCO_3$)	170	500	EDTA Titration
15		Calcium Hardness (mg/l)	110	200	EDTA Titration
16		Residual Chlorine (mg/l)	–	0.1-0.5*	Chlorine Comparator
17	Microbiologcal	Fecal coliform *E.coli* (CFU/100ml)	0	0	Membrane Filtration

- *These values show lower and upper limit.
- Values in ()parentheses refer the acceptable values only when alternative is not available
- NOTE:- The entire test was conducted as per the National Driking Water Quality Guide Line, (MPPW/GovN)
- TNTC :- Too Numerous Too Count

Analysed By

Verified By
सुनिल चौधरी

Government of Nepal
Ministry of Water supply
Department of Water Supply And Sewerage Management
Federal Water Supply And Sewerage Mangement Project
Water Quality Testing Laboratory
Janakpurdham, Dhanusha

Water Quality Test Report

Name of Client :-19. Malangwa Ward No. 10 Office, Malanga-10
Sample Code :-19/ Mlng,Srlh
Sampled By :- MKA
Source of sample :- Tubewell(210ft)
Type of Sample :- Drinking Water
Location :- Manlangwa-10, Malangwa, Tower Chowk, Sarlahi

Date of Collection :-08/02/2080
Date of Analysis :-08/02/2080
Date of Completion :-10/02/2080

S.N.	Category	Parameter	Observed Value	NDWQS 2079 B.S.	Analysed Method
1	Physical	Turbidity	2.3	5	Nephelometeric
2		Temperature(°C)	36		Thermometric
3		Colour	–	Non Objectionable	
4		PH	7.5	6.5-8.5*	Instrumental
5		Electrical Conductivity(µs/cm)	474	1500	Instrumental
6		TDS (mg/l)	298	1000	Instrumental
7	Chemical	Iron (mg/l)	**0.7**	0.3	Phenanthroline Method
8		Manganese (mg/l)	–	0.2	Persulphate Method
9		Arsenic (mg/l)	0.05	0.05	Digital Arsenator
10		Ammonia (mg/l)	–	1.5	Nesselarization
11		Nitrate (mg/l)	–	50	UV Spectrophotometer Screening
12		Fluoride (mg/l)	–	0.5-1.5*	SPANDS Colorimeteric
13		Chloride (mg/l)	–	250	Argentometric Titration
14		Total Hardness (mg/l, as $CaCO_3$)	210	500	EDTA Titration
15		Calcium Hardness (mg/l)	130	200	EDTA Titration
16		Residual Chlorine (mg/l)	–	0.1-0.5*	Chlorine Comparator
17	Microbiologcal	Fecal coliform *E.coli* (CFU/100ml)	0	0	Membrane Filtration

- *These values show lower and upper limit.
- Values in ()parentheses refer the acceptable values only when alternative is not available
- NOTE:- The entire test was conducted as per the National Driking Water Quality Guide Line, (MPPW/GovN)
- TNTC :- Too Numerous Too Count

Analysed By

Verified By
सुनिल चौधरी
केमिष्ट

****

Government of Nepal
Ministry of Water supply
Department of Water Supply And Sewerage Management
Federal Water Supply And Sewerage Mangement Project
Water Quality Testing Laboratory
Janakpurdham, Dhanusha

Water Quality Test Report

Name of Client :-18. Gyan Bikram Sah, Malangwa Na. Pa.-04
Sample Code :-18/ MIng,Srlh
Sampled By :- MKA
Source of sample :- Tubewell(210ft)
Type of Sample :- Drinking Water

Date of Collection :-08/02/2080
Date of Analysis :-08/02/2080
Date of Completion :-10/02/2080

Location :- Manlangwa-04, Malangwa, Pani Tanky Chowk, Sarlahi

S.N.	Category	Parameter	Observed Value	NDWQS 2079 B.S.	Analysed Method
1	Physical	Turbidity	2.3	5	Nephelometeric
2		Temperature(°C)	36		Thermometric
3		Colour	–	Non Objectionable	
4		PH	7.5	6.5-8.5*	Instrumental
5		Electrical Conductivity(µs/cm)	474	1500	Instrumental
6		TDS (mg/l)	298	1000	Instrumental
7	Chemical	Iron (mg/l)	0.7	0.3	Phenanthroline Method
8		Manganese (mg/l)	–	0.2	Persulphate Method
9		Arsenic (mg/l)	0.05	0.05	Digital Arsenator
10		Ammonia (mg/l)	–	1.5	Nesselarization
11		Nitrate (mg/l)	–	50	UV Spectrophotometer Screening
12		Fluoride (mg/l)	–	0.5-1.5*	SPANDS Colorimeteric
13		Chloride (mg/l)	–	250	Argentometric Titration
14		Total Hardness (mg/l, as $CaCO_3$)	210	500	EDTA Titration
15		Calcium Hardness (mg/l)	130	200	EDTA Titration
16		Residual Chlorine (mg/l)	–	0.1-0.5*	Chlorine Comparator
17	Microbiologcal	Fecal coliform *E.coli* (CFU/100ml)	0	0	Membrane Filtration

- *These values show lower and upper limit.
- Values in ()parentheses refer the acceptable values only when alternative is not available
- NOTE:- The entire test was conducted as per the National Driking Water Quality Guide Line, (MPPW/GovN)
- TNTC :- Too Numerous Too Count

Analysed By

Verified By
सुनिल चौधरी
कोमिष्ट

****

Government of Nepal
Ministry of Water supply
Department of Water Supply And Sewerage Management
Federal Water Supply And Sewerage Mangement Project
Water Quality Testing Laboratory
Janakpurdham, Dhanusha

Water Quality Test Report

Name of Client :-19. Malangwa Ward No. 10 Office, Malanga-10
Sample Code :-19/ Mlng,Srlh
Sampled By :- MKA
Source of sample :- Tubewell(210ft)
Type of Sample :- Drinking Water
Location :- Manlangwa-10, Malangwa, Tower Chowk, Sarlahi

Date of Collection :-08/02/2080
Date of Analysis :-08/02/2080
Date of Completion :-10/02/2080

S.N.	Category	Parameter	Observed Value	NDWQS 2079 B.S.	Analysed Method
1	Physical	Turbidity	2.3	5	Nephelometeric
2		Temperature(°C)	36		Thermometric
3		Colour	–	Non Objectionable	
4		PH	7.5	6.5-8.5*	Instrumental
5		Electrical Conductivity(µs/cm)	474	1500	Instrumental
6		TDS (mg/l)	298	1000	Instrumental
7	Chemical	Iron (mg/l)	**0.7**	0.3	Phenanthroline Method
8		Manganese (mg/l)	–	0.2	Persulphate Method
9		Arsenic (mg/l)	0.05	0.05	Digital Arsenator
10		Ammonia (mg/l)	–	1.5	Nesselarization
11		Nitrate (mg/l)	–	50	UV Spectrophotometer Screening
12		Fluoride (mg/l)	–	0.5-1.5*	SPANDS Colorimeteric
13		Chloride (mg/l)	–	250	Argentometric Titration
14		Total Hardness (mg/l, as $CaCO_3$)	210	500	EDTA Titration
15		Calcium Hardness (mg/l)	130	200	EDTA Titration
16		Residual Chlorine (mg/l)	–	0.1-0.5*	Chlorine Comparator
17	Microbiologcal	Fecal coliform *E.coli* (CFU/100ml)	0	0	Membrane Filtration

- *These values show lower and upper limit.
- Values in ()parentheses refer the acceptable values only when alternative is not available
- NOTE:- The entire test was conducted as per the National Driking Water Quality Guide Line, (MPPW/GovN)
- TNTC :- Too Numerous Too Count

Analysed By

Verified By
सुनिल चौधरी
केमिष्ट

****

Government of Nepal
Ministry of Water supply
Department of Water Supply And Sewerage Management
Federal Water Supply And Sewerage Mangement Project
Water Quality Testing Laboratory
Janakpurdham, Dhanusha

Water Quality Test Report

Name of Client :-20. Malangwa Ward No.-09 Office, Malangwa-09
Sample Code :-20/ Mlng,Srlh
Sampled By :- MKA
Source of sample :- Tubewell
Type of Sample :- Drinking Water
Location :- Manlangwa-09, Malangwa, Sarlahi

Date of Collection :-09/02/2080
Date of Analysis :-09/02/2080
Date of Completion :-11/02/2080

S.N.	Category	Parameter	Observed Value	NDWQS 2079 B.S.	Analysed Method
1	Physical	Turbidity	4.5	5	Nephelometeric
2		Temperature(°C)	34		Thermometric
3		Colour	–	Non Objectionable	
4		PH	8.1	6.5-8.5*	Instrumental
5		Electrical Conductivity(µs/cm)	930	1500	Instrumental
6		TDS (mg/l)	585	1000	Instrumental
7	Chemical	Iron (mg/l)	**0.75**	0.3	Phenanthroline Method
8		Manganese (mg/l)	–	0.2	Persulphate Method
9		Arsenic (mg/l)	0.01	0.05	Digital Arsenator
10		Ammonia (mg/l)	–	1.5	Nesselarization
11		Nitrate (mg/l)	–	50	UV Spectrophotometer Screening
12		Fluoride (mg/l)	–	0.5-1.5*	SPANDS Colorimeteric
13		Chloride (mg/l)	–	250	Argentometric Titration
14		Total Hardness (mg/l, as $CaCO_3$)	226	500	EDTA Titration
15		Calcium Hardness (mg/l)	94	200	EDTA Titration
16		Residual Chlorine (mg/l)	–	0.1-0.5*	Chlorine Comparator
17	Microbiologcal	Fecal coliform *E.coli* (CFU/100ml)	0	0	Membrane Filtration

- *These values show lower and upper limit.
- Values in ()parentheses refer the acceptable values only when alternative is not available
- NOTE:- The entire test was conducted as per the National Driking Water Quality Guide Line, (MPPW/GovN)
- TNTC :- Too Numerous Too Count

Analysed By

Verified By
सुनिल चौधरी
केमिष्ट

****

Government of Nepal
Ministry of Water supply
Department of Water Supply And Sewerage Management
Federal Water Supply And Sewerage Mangement Project
Water Quality Testing Laboratory
Janakpurdham, Dhanusha

Water Quality Test Report

Name of Client :-21. Shreemati Krishna Devi Ma. Vi., Malangwa Na. Pa.-09
Sample Code :-21/ MIng,Srlh
Sampled By :- MKA
Source of sample :- Tubewell
Type of Sample :- Drinking Water
Location :- Manlangwa-09, Malangwa, Sarlahi

Date of Collection :-09/02/2080
Date of Analysis :-09/02/2080
Date of Completion :-11/02/2080

S.N.	Category	Parameter	Observed Value	NDWQS 2079 B.S.	Analysed Method
1	Physical	Turbidity	1.4	5	Nephelometeric
2		Temperature(°C)	34		Thermometric
3		Colour	–	Non Objectionable	
4		PH	7.8	6.5-8.5*	Instrumental
5		Electrical Conductivity(µs/cm)	379	1500	Instrumental
6		TDS (mg/l)	238	1000	Instrumental
7	Chemical	Iron (mg/l)	0.4	0.3	Phenanthroline Method
8		Manganese (mg/l)	–	0.2	Persulphate Method
9		Arsenic (mg/l)	0.02	0.05	Digital Arsenator
10		Ammonia (mg/l)	–	1.5	Nesselarization
11		Nitrate (mg/l)	–	50	UV Spectrophotometer Screening
12		Fluoride (mg/l)	–	0.5-1.5*	SPANDS Colorimeteric
13		Chloride (mg/l)	–	250	Argentometric Titration
14		Total Hardness (mg/l, as $CaCO_3$)	140	500	EDTA Titration
15		Calcium Hardness (mg/l)	90	200	EDTA Titration
16		Residual Chlorine (mg/l)	–	0.1-0.5*	Chlorine Comparator
17	Microbiologcal	Fecal coliform *E.coli* (CFU/100ml)	0	0	Membrane Filtration

- *These values show lower and upper limit.
- Values in ()parentheses refer the acceptable values only when alternative is not available
- NOTE:- The entire test was conducted as per the National Driking Water Quality Guide Line, (MPPW/GovN)
- TNTC :- Too Numerous Too Count

Analysed By

Verified By
सुनिल चौधरी
केमिस्ट

****

Government of Nepal
Ministry of Water supply
Department of Water Supply And Sewerage Management
Federal Water Supply And Sewerage Mangement Project
Water Quality Testing Laboratory
Janakpurdham, Dhanusha

Water Quality Test Report

Name of Client :-22. Malangwa Ward No. -08, Office., Malangwa Na. Pa.-08
Sample Code :-22/ Mlng,Srlh
Sampled By :- MKA
Source of sample :- Tubewell
Type of Sample :- Drinking Water
Location :- Manlangwa-08, Malangwa, Sarlahi

Date of Collection :-09/02/2080
Date of Analysis :-09/02/2080
Date of Completion :-11/02/2080

S.N.	Category	Parameter	Observed Value	NDWQS 2079 B.S.	Analysed Method
1	Physical	Turbidity	6.6	5	Nephelometeric
2		Temperature(°C)	34		Thermometric
3		Colour	–	Non Objectionable	
4		PH	7.5	6.5-8.5*	Instrumental
5		Electrical Conductivity(µs/cm)	630	1500	Instrumental
6		TDS (mg/l)	459	1000	Instrumental
7	Chemical	Iron (mg/l)	0.5	0.3	Phenanthroline Method
8		Manganese (mg/l)	–	0.2	Persulphate Method
9		Arsenic (mg/l)	0.03	0.05	Digital Arsenator
10		Ammonia (mg/l)	–	1.5	Nesselarization
11		Nitrate (mg/l)	–	50	UV Spectrophotometer Screening
12		Fluoride (mg/l)	–	0.5-1.5*	SPANDS Colorimeteric
13		Chloride (mg/l)	–	250	Argentometric Titration
14		Total Hardness (mg/l, as $CaCO_3$)	320	500	EDTA Titration
15		Calcium Hardness (mg/l)	220	200	EDTA Titration
16		Residual Chlorine (mg/l)	–	0.1-0.5*	Chlorine Comparator
17	Microbiologcal	Fecal coliform *E.coli* (CFU/100ml)	0	0	Membrane Filtration

- *These values show lower and upper limit.
- Values in ()parentheses refer the acceptable values only when alternative is not available
- NOTE:- The entire test was conducted as per the National Driking Water Quality Guide Line, (MPPW/GovN)
- TNTC :- Too Numerous Too Count

Analysed By
मनोज कुमार अधिकारी
असिस्टेन्ट केमिष्ट

Verified By
सुनिल चौधरी
केमिष्ट

****

Government of Nepal
Ministry of Water supply
Department of Water Supply And Sewerage Management
Federal Water Supply And Sewerage Mangement Project
Water Quality Testing Laboratory
Janakpurdham, Dhanusha

Water Quality Test Report

Name of Client :-23. Jay Maa Durga Bhagabati Mandir, Nagarpalika Chowk, Malangwa Na. Pa.-08
Sample Code :-23/ MIng,Srlh
Sampled By :- MKA
Source of sample :- Tubewell
Type of Sample :- Drinking Water
Date of Collection :-09/02/2080
Date of Analysis :-09/02/2080
Date of Completion :-11/02/2080

Location :- Manlangwa-08, Malangwa, Nagarpalika Chowk, Sarlahi

S.N.	Category	Parameter	Observed Value	NDWQS 2079 B.S.	Analysed Method
1	Physical	Turbidity	2.2	5	Nephelometeric
2		Temperature(°C)	34		Thermometric
3		Colour	–	Non Objectionable	
4		PH	8	6.5-8.5*	Instrumental
5		Electrical Conductivity(µs/cm)	376	1500	Instrumental
6		TDS (mg/l)	236	1000	Instrumental
7	Chemical	Iron (mg/l)	1.1	0.3	Phenanthroline Method
8		Manganese (mg/l)	–	0.2	Persulphate Method
9		Arsenic (mg/l)	0.01	0.05	Digital Arsenator
10		Ammonia (mg/l)	–	1.5	Nesselarization
11		Nitrate (mg/l)	–	50	UV Spectrophotometer Screening
12		Fluoride (mg/l)	–	0.5-1.5*	SPANDS Colorimeteric
13		Chloride (mg/l)	–	250	Argentometric Titration
14		Total Hardness (mg/l, as $CaCO_3$)	140	500	EDTA Titration
15		Calcium Hardness (mg/l)	110	200	EDTA Titration
16		Residual Chlorine (mg/l)	–	0.1-0.5*	Chlorine Comparator
17	Microbiologcal	Fecal coliform *E.coli* (CFU/100ml)	0	0	Membrane Filtration

- *These values show lower and upper limit.
- Values in ()parentheses refer the acceptable values only when alternative is not available
- NOTE:- The entire test was conducted as per the National Driking Water Quality Guide Line, (MPPW/GovN)
- TNTC :- Too Numerous Too Count

Analysed By

Verified By
सुनिल चौधरी
केमिष्ट

****

Government of Nepal
Ministry of Water supply
Department of Water Supply And Sewerage Management
Federal Water Supply And Sewerage Mangement Project
Water Quality Testing Laboratory
Janakpurdham, Dhanusha

Water Quality Test Report

Name of Client :-24. Samsad Mitrani , Ward No.-03 Agadi ko Tubewell, Malangwa Na. Pa.-03
Sample Code :-24/ Mlng,Srlh
Sampled By :- MKA
Source of sample :- Tubewell(125ft)
Type of Sample :- Drinking Water
Location :- Manlangwa-03, Malangwa, Sarlahi

Date of Collection :-09/02/2080
Date of Analysis :-09/02/2080
Date of Completion :-11/02/2080

S.N.	Category	Parameter	Observed Value	NDWQS 2079 B.S.	Analysed Method
1	Physical	Turbidity	6.8	5	Nephelometeric
2		Temperature(°C)	34		Thermometric
3		Colour	–	Non Objectionable	
4		PH	7.6	6.5-8.5*	Instrumental
5		Electrical Conductivity(µs/cm)	416	1500	Instrumental
6		TDS (mg/l)	262	1000	Instrumental
7	Chemical	Iron (mg/l)	0.55	0.3	Phenanthroline Method
8		Manganese (mg/l)	–	0.2	Persulphate Method
9		Arsenic (mg/l)	0.05	0.05	Digital Arsenator
10		Ammonia (mg/l)	–	1.5	Nesselarization
11		Nitrate (mg/l)	–	50	UV Spectrophotometer Screening
12		Fluoride (mg/l)	–	0.5-1.5*	SPANDS Colorimeteric
13		Chloride (mg/l)	–	250	Argentometric Titration
14		Total Hardness (mg/l, as $CaCO_3$)	240	500	EDTA Titration
15		Calcium Hardness (mg/l)	150	200	EDTA Titration
16		Residual Chlorine (mg/l)	–	0.1-0.5*	Chlorine Comparator
17	Microbiologcal	Fecal coliform *E.coli* (CFU/100ml)	0	0	Membrane Filtration

- *These values show lower and upper limit.
- Values in ()parentheses refer the acceptable values only when alternative is not available
- NOTE:- The entire test was conducted as per the National Driking Water Quality Guide Line, (MPPW/GovN)
- TNTC :- Too Numerous Too Count

Analysed By

Verified By
सुनिल चौधरी
केमिष्ट

****

Government of Nepal
Ministry of Water supply
Department of Water Supply And Sewerage Management
Federal Water Supply And Sewerage Mangement Project
Water Quality Testing Laboratory
Janakpurdham, Dhanusha

Water Quality Test Report

Name of Client :-25. Malangwa Na. pa. Office, Malangwa Na. Pa.
Sample Code :-25/ Mlng,Srlh
Sampled By :- MKA
Source of sample :- Tubewell (225ft)
Type of Sample :- Drinking Water
Location :- Malangwa, Sarlahi

Date of Collection :-09/02/2080
Date of Analysis :-09/02/2080
Date of Completion :-11/02/2080

S.N.	Category	Parameter	Observed Value	NDWQS 2079 B.S.	Analysed Method
1	Physical	Turbidity	1.7	5	Nephelometeric
2		Temperature(°C)	34		Thermometric
3		Colour	–	Non Objectionable	
4		PH	7.6	6.5-8.5*	Instrumental
5		Electrical Conductivity(µs/cm)	379	1500	Instrumental
6		TDS (mg/l)	238	1000	Instrumental
7	Chemical	Iron (mg/l)	0.4	0.3	Phenanthroline Method
8		Manganese (mg/l)	–	0.2	Persulphate Method
9		Arsenic (mg/l)	0.02	0.05	Digital Arsenator
10		Ammonia (mg/l)	–	1.5	Nesselarization
11		Nitrate (mg/l)	–	50	UV Spectrophotometer Screening
12		Fluoride (mg/l)	–	0.5-1.5*	SPANDS Colorimeteric
13		Chloride (mg/l)	–	250	Argentometric Titration
14		Total Hardness (mg/l, as $CaCO_3$)	140	500	EDTA Titration
15		Calcium Hardness (mg/l)	110	200	EDTA Titration
16		Residual Chlorine (mg/l)	–	0.1-0.5*	Chlorine Comparator
17	Microbiologcal	Fecal coliform *E.coli* (CFU/100ml)	0	0	Membrane Filtration

- *These values show lower and upper limit.
- Values in ()parentheses refer the acceptable values only when alternative is not available
- NOTE:- The entire test was conducted as per the National Driking Water Quality Guide Line, (MPPW/GovN)
- TNTC :- Too Numerous Too Count

Analysed By
मनोज कुमार अधिकारी
असिस्टेन्ट केमिष्ट

Verified By
सुनिल चौधरी
केमिष्ट

****

Government of Nepal
Ministry of Water supply
Department of Water Supply And Sewerage Management
Federal Water Supply And Sewerage Mangement Project
Water Quality Testing Laboratory
Janakpurdham, Dhanusha

Water Quality Test Report

Name of Client :-26. Ranjita Kr. Ray
Sample Code :-26/ Mlng, Srlh
Sampled By :- MKA
Source of sample :- Tubewell
Type of Sample :- Drinking Water
Location :- Malangwa, Sarlahi

Date of Collection :-09/02/2080
Date of Analysis :-09/02/2080
Date of Completion :-11/02/2080

S.N.	Category	Parameter	Observed Value	NDWQS 2079 B.S.	Analysed Method
1	Physical	Turbidity	3.8	5	Nephelometeric
2		Temperature(°C)	34		Thermometric
3		Colour	–	Non Objectionable	
4		PH	7.7	6.5-8.5*	Instrumental
5		Electrical Conductivity(µs/cm)	378	1500	Instrumental
6		TDS (mg/l)	238	1000	Instrumental
7	Chemical	Iron (mg/l)	0.25	0.3	Phenanthroline Method
8		Manganese (mg/l)	–	0.2	Persulphate Method
9		Arsenic (mg/l)	0.01	0.05	Digital Arsenator
10		Ammonia (mg/l)	–	1.5	Nesselarization
11		Nitrate (mg/l)	–	50	UV Spectrophotometer Screening
12		Fluoride (mg/l)	–	0.5-1.5*	SPANDS Colorimeteric
13		Chloride (mg/l)	–	250	Argentometric Titration
14		Total Hardness (mg/l, as $CaCO_3$)	190	500	EDTA Titration
15		Calcium Hardness (mg/l)	130	200	EDTA Titration
16		Residual Chlorine (mg/l)	–	0.1-0.5*	Chlorine Comparator
17	Microbiologcal	Fecal coliform *E.coli* (CFU/100ml)	0	0	Membrane Filtration

- *These values show lower and upper limit.
- Values in ()parentheses refer the acceptable values only when alternative is not available
- NOTE:- The entire test was conducted as per the National Driking Water Quality Guide Line, (MPPW/GovN)
- TNTC :- Too Numerous Too Count

Analysed By
गणेश कुमार अधिकारी
असिस्टेन्ट केमिष्ट

Verified By
सुनिल चौधरी
केमिष्ट

****

Government of Nepal
Ministry of Water supply
Department of Water Supply And Sewerage Management
Federal Water Supply And Sewerage Mangement Project
Water Quality Testing Laboratory
Janakpurdham, Dhanusha

Water Quality Test Report

Name of Client :-27. Sitaram Ray
Sample Code :-27/ Mlng, Srlh
Sampled By :- MKA
Source of sample :- Tubewell
Type of Sample :- Drinking Water
Location :- Malangwa, Sarlahi

Date of Collection :-09/02/2080
Date of Analysis :-09/02/2080
Date of Completion :-11/02/2080

S.N.	Category	Parameter	Observed Value	NDWQS 2079 B.S.	Analysed Method
1	Physical	Turbidity	2.1	5	Nephelometeric
2		Temperature(°C)	34		Thermometric
3		Colour	–	Non Objectionable	
4		PH	7.9	6.5-8.5*	Instrumental
5		Electrical Conductivity(µs/cm)	381	1500	Instrumental
6		TDS (mg/l)	240	1000	Instrumental
7	Chemical	Iron (mg/l)	0.25	0.3	Phenanthroline Method
8		Manganese (mg/l)	–	0.2	Persulphate Method
9		Arsenic (mg/l)	0.02	0.05	Digital Arsenator
10		Ammonia (mg/l)	–	1.5	Nesselarization
11		Nitrate (mg/l)	–	50	UV Spectrophotometer Screening
12		Fluoride (mg/l)	–	0.5-1.5*	SPANDS Colorimeteric
13		Chloride (mg/l)	–	250	Argentometric Titration
14		Total Hardness (mg/l, as $CaCO_3$)	160	500	EDTA Titration
15		Calcium Hardness (mg/l)	100	200	EDTA Titration
16		Residual Chlorine (mg/l)	–	0.1-0.5*	Chlorine Comparator
17	Microbiologcal	Fecal coliform *E.coli* (CFU/100ml)	**20**	0	Membrane Filtration

- *These values show lower and upper limit.
- Values in ()parentheses refer the acceptable values only when alternative is not available
- NOTE:- The entire test was conducted as per the National Driking Water Quality Guide Line, (MPPW/GovN)
- TNTC :- Too Numerous Too Count

Analysed By

Verified By
सुनिल चौधरी
कोमिष्ट

****

Government of Nepal
Ministry of Water supply
Department of Water Supply And Sewerage Management
Federal Water Supply And Sewerage Mangement Project
Water Quality Testing Laboratory
Janakpurdham, Dhanusha

Water Quality Test Report

Name of Client :-28. Shivlal Pandit
Sample Code :-28/ Mlng, Srlh
Sampled By :- MKA
Source of sample :- Tubewell(95ft)
Type of Sample :- Drinking Water
Location :- Malangwa-10, Malangwa, Sarlahi

Date of Collection :-09/02/2080
Date of Analysis :-09/02/2080
Date of Completion :-11/02/2080

S.N.	Category	Parameter	Observed Value	NDWQS 2079 B.S.	Analysed Method
1	Physical	Turbidity	3.3	5	Nephelometeric
2		Temperature(°C)	34		Thermometric
3		Colour	–	Non Objectionable	
4		PH	7.7	6.5-8.5*	Instrumental
5		Electrical Conductivity(µs/cm)	445	1500	Instrumental
6		TDS (mg/l)	280	1000	Instrumental
7	Chemical	Iron (mg/l)	**0.65**	0.3	Phenanthroline Method
8		Manganese (mg/l)	–	0.2	Persulphate Method
9		Arsenic (mg/l)	0.04	0.05	Digital Arsenator
10		Ammonia (mg/l)	–	1.5	Nesselarization
11		Nitrate (mg/l)	–	50	UV Spectrophotometer Screening
12		Fluoride (mg/l)	–	0.5-1.5*	SPANDS Colorimeteric
13		Chloride (mg/l)	–	250	Argentometric Titration
14		Total Hardness (mg/l, as $CaCO_3$)	200	500	EDTA Titration
15		Calcium Hardness (mg/l)	140	200	EDTA Titration
16		Residual Chlorine (mg/l)	–	0.1-0.5*	Chlorine Comparator
17	Microbiologcal	Fecal coliform *E.coli* (CFU/100ml)	**20**	0	Membrane Filtration

- *These values show lower and upper limit.
- Values in ()parentheses refer the acceptable values only when alternative is not available
- NOTE:- The entire test was conducted as per the National Driking Water Quality Guide Line, (MPPW/GovN)
- TNTC :- Too Numerous Too Count

Analysed By

Verified By
सुनिल चौधरी
कोमिष्ट

****

Government of Nepal
Ministry of Water supply
Department of Water Supply And Sewerage Management
Federal Water Supply And Sewerage Mangement Project
Water Quality Testing Laboratory
Janakpurdham, Dhanusha

Water Quality Test Report

Name of Client :-29. Ram Mandir, Malangwa-11
Sample Code :-29/ Mlng, Srlh
Sampled By :- MKA
Source of sample :- Tubewell(130ft)
Type of Sample :- Drinking Water
Location :- Malangwa-11, Gamhariya, Sarlahi

Date of Collection :-09/02/2080
Date of Analysis :-09/02/2080
Date of Completion :-11/02/2080

S.N.	Category	Parameter	Observed Value	NDWQS 2079 B.S.	Analysed Method
1	Physical	Turbidity	16	5	Nephelometeric
2		Temperature(°C)	34		Thermometric
3		Colour	–	Non Objectionable	
4		PH	7.2	6.5-8.5*	Instrumental
5		Electrical Conductivity(µs/cm)	526	1500	Instrumental
6		TDS (mg/l)	331	1000	Instrumental
7	Chemical	Iron (mg/l)	0.55	0.3	Phenanthroline Method
8		Manganese (mg/l)	–	0.2	Persulphate Method
9		Arsenic (mg/l)	<0.01	0.05	Digital Arsenator
10		Ammonia (mg/l)	–	1.5	Nesselarization
11		Nitrate (mg/l)	–	50	UV Spectrophotometer Screening
12		Fluoride (mg/l)	–	0.5-1.5*	SPANDS Colorimeteric
13		Chloride (mg/l)	–	250	Argentometric Titration
14		Total Hardness (mg/l, as $CaCO_3$)	170	500	EDTA Titration
15		Calcium Hardness (mg/l)	110	200	EDTA Titration
16		Residual Chlorine (mg/l)	–	0.1-0.5*	Chlorine Comparator
17	Microbiologcal	Fecal coliform *E.coli* (CFU/100ml)	0	0	Membrane Filtration

- *These values show lower and upper limit.
- Values in ()parentheses refer the acceptable values only when alternative is not available
- NOTE:- The entire test was conducted as per the National Driking Water Quality Guide Line, (MPPW/GovN)
- TNTC :- Too Numerous Too Count

Analysed By

Verified By
सुशिल चौधरी
कोमिष्ट

****

Government of Nepal
Ministry of Water supply
Department of Water Supply And Sewerage Management
Federal Water Supply And Sewerage Mangement Project
Water Quality Testing Laboratory
Janakpurdham, Dhanusha

Water Quality Test Report

Name of Client :-30A. Shree mati Laxmidevi Janata Ma. Vi., Malangwa-11(Old Tubewell)
Sample Code :-30A/ Mlng, Srlh
Sampled By :- MKA
Source of sample :- Tubewell(225ft)
Type of Sample :- Drinking Water
Location :- Malangwa-11, Gamhariya, Sarlahi

Date of Collection :-09/02/2080
Date of Analysis :-09/02/2080
Date of Completion :-11/02/2080

S.N.	Category	Parameter	Observed Value	NDWQS 2079 B.S.	Analysed Method
1	Physical	Turbidity	3.3	5	Nephelometeric
2		Temperature(°C)	34		Thermometric
3		Colour	–	Non Objectionable	
4		PH	7.6	6.5-8.5*	Instrumental
5		Electrical Conductivity(µs/cm)	438	1500	Instrumental
6		TDS (mg/l)	275	1000	Instrumental
7	Chemical	Iron (mg/l)	0.4	0.3	Phenanthroline Method
8		Manganese (mg/l)	–	0.2	Persulphate Method
9		Arsenic (mg/l)	0.01	0.05	Digital Arsenator
10		Ammonia (mg/l)	–	1.5	Nesselarization
11		Nitrate (mg/l)	–	50	UV Spectrophotometer Screening
12		Fluoride (mg/l)	–	0.5-1.5*	SPANDS Colorimeteric
13		Chloride (mg/l)	–	250	Argentometric Titration
14		Total Hardness (mg/l, as $CaCO_3$)	150	500	EDTA Titration
15		Calcium Hardness (mg/l)	110	200	EDTA Titration
16		Residual Chlorine (mg/l)	–	0.1-0.5*	Chlorine Comparator
17	Microbiologcal	Fecal coliform *E.coli* (CFU/100ml)	0	0	Membrane Filtration

- *These values show lower and upper limit.
- Values in ()parentheses refer the acceptable values only when alternative is not available
- NOTE:- The entire test was conducted as per the National Driking Water Quality Guide Line, (MPPW/GovN)
- TNTC :- Too Numerous Too Count

Analysed By

Verified By
सुगल चौधरी
कोमिष्ट

****

Government of Nepal
Ministry of Water supply
Department of Water Supply And Sewerage Management
Federal Water Supply And Sewerage Mangement Project
Water Quality Testing Laboratory
Janakpurdham, Dhanusha

Water Quality Test Report

Name of Client :-30B. Shree mati Laxmidevi Janata Ma. Vi., Malangwa-11(New Tubewell)
Sample Code :-30B/ Mlng, Srlh
Sampled By :- MKA
Source of sample :- Tubewell(215ft)
Type of Sample :- Drinking Water
Location :- Malangwa-11, Gamhariya, Sarlahi

Date of Collection :-09/02/2080
Date of Analysis :-09/02/2080
Date of Completion :-11/02/2080

S.N.	Category	Parameter	Observed Value	NDWQS 2079 B.S.	Analysed Method
1	Physical	Turbidity	2.1	5	Nephelometeric
2		Temperature(°C)	34		Thermometric
3		Colour	–	Non Objectionable	
4		PH	7.8	6.5-8.5*	Instrumental
5		Electrical Conductivity(µs/cm)	369	1500	Instrumental
6		TDS (mg/l)	232	1000	Instrumental
7	Chemical	Iron (mg/l)	**0.55**	0.3	Phenanthroline Method
8		Manganese (mg/l)	–	0.2	Persulphate Method
9		Arsenic (mg/l)	0.01	0.05	Digital Arsenator
10		Ammonia (mg/l)	–	1.5	Nesselarization
11		Nitrate (mg/l)	–	50	UV Spectrophotometer Screening
12		Fluoride (mg/l)	–	0.5-1.5*	SPANDS Colorimeteric
13		Chloride (mg/l)	–	250	Argentometric Titration
14		Total Hardness (mg/l, as $CaCO_3$)	160	500	EDTA Titration
15		Calcium Hardness (mg/l)	110	200	EDTA Titration
16		Residual Chlorine (mg/l)	–	0.1-0.5*	Chlorine Comparator
17	Microbiologcal	Fecal coliform *E.coli* (CFU/100ml)	0	0	Membrane Filtration

- *These values show lower and upper limit.
- Values in ()parentheses refer the acceptable values only when alternative is not available
- NOTE:- The entire test was conducted as per the National Driking Water Quality Guide Line, (MPPW/GovN)
- TNTC :- Too Numerous Too Count

Analysed By
अशोक कुमार अधिकारी
असिष्टन्ट केमिष्ट

Verified By
सुनिल चौधरी
केमिष्ट

****

Government of Nepal
Ministry of Water supply
Department of Water Supply And Sewerage Management
Federal Water Supply And Sewerage Mangement Project
Water Quality Testing Laboratory
Janakpurdham, Dhanusha

Water Quality Test Report

Name of Client :-31. Malangwa Ward No.11 Office & Health Post, Malangwa-11
Sample Code :-31/ Mlng, Srlh
Sampled By :- MKA
Source of sample :- Tubewell(180ft)
Type of Sample :- Drinking Water
Location :- Malangwa-11, Gamhariya, Sarlahi

Date of Collection :-09/02/2080
Date of Analysis :-09/02/2080
Date of Completion :-11/02/2080

S.N.	Category	Parameter	Observed Value	NDWQS 2079 B.S.	Analysed Method
1	Physical	Turbidity	1.1	5	Nephelometeric
2		Temperature(°C)	34		Thermometric
3		Colour	–	Non Objectionable	
4		PH	7.6	6.5-8.5*	Instrumental
5		Electrical Conductivity(µs/cm)	442	1500	Instrumental
6		TDS (mg/l)	278	1000	Instrumental
7	Chemical	Iron (mg/l)	**0.7**	0.3	Phenanthroline Method
8		Manganese (mg/l)	–	0.2	Persulphate Method
9		Arsenic (mg/l)	0.05	0.05	Digital Arsenator
10		Ammonia (mg/l)	–	1.5	Nesselarization
11		Nitrate (mg/l)	–	50	UV Spectrophotometer Screening
12		Fluoride (mg/l)	–	0.5-1.5*	SPANDS Colorimeteric
13		Chloride (mg/l)	–	250	Argentometric Titration
14		Total Hardness (mg/l, as $CaCO_3$)	160	500	EDTA Titration
15		Calcium Hardness (mg/l)	114	200	EDTA Titration
16		Residual Chlorine (mg/l)	–	0.1-0.5*	Chlorine Comparator
17	Microbiologcal	Fecal coliform *E.coli* (CFU/100ml)	0	0	Membrane Filtration

- *These values show lower and upper limit.
- Values in ()parentheses refer the acceptable values only when alternative is not available
- NOTE:- The entire test was conducted as per the National Driking Water Quality Guide Line, (MPPW/GovN)
- TNTC :- Too Numerous Too Count

Analysed By

Verified By
सुनिलाल चौधरी
केमिष्ट

****

Government of Nepal
Ministry of Water supply
Department of Water Supply And Sewerage Management
Federal Water Supply And Sewerage Mangement Project
Water Quality Testing Laboratory
Janakpurdham, Dhanusha

Water Quality Test Report

Name of Client :-32.Community Tubewell Gamhariya Chowk, Mahesh Sah Ghar agadi, Malangwa-11
Sample Code :-32/ Mlng, Srlh
Sampled By :- MKA
Source of sample :- Tubewell(222ft)
Type of Sample :- Drinking Water
Location :- Malangwa-11, Gamhariya Chowk, Sarlahi

Date of Collection :-09/02/2080
Date of Analysis :-09/02/2080
Date of Completion :-11/02/2080

S.N.	Category	Parameter	Observed Value	NDWQS 2079 B.S.	Analysed Method
1	Physical	Turbidity	1.8	5	Nephelometeric
2		Temperature(°C)	34		Thermometric
3		Colour	–	Non Objectionable	
4		PH	7.7	6.5-8.5*	Instrumental
5		Electrical Conductivity(µs/cm)	377	1500	Instrumental
6		TDS (mg/l)	237	1000	Instrumental
7	Chemical	Iron (mg/l)	**0.3**	0.3	Phenanthroline Method
8		Manganese (mg/l)	–	0.2	Persulphate Method
9		Arsenic (mg/l)	0.02	0.05	Digital Arsenator
10		Ammonia (mg/l)	–	1.5	Nesselarization
11		Nitrate (mg/l)	–	50	UV Spectrophotometer Screening
12		Fluoride (mg/l)	–	0.5-1.5*	SPANDS Colorimeteric
13		Chloride (mg/l)	–	250	Argentometric Titration
14		Total Hardness (mg/l, as $CaCO_3$)	190	500	EDTA Titration
15		Calcium Hardness (mg/l)	120	200	EDTA Titration
16		Residual Chlorine (mg/l)	–	0.1-0.5*	Chlorine Comparator
17	Microbiologcal	Fecal coliform *E.coli* (CFU/100ml)	**70**	0	Membrane Filtration

- *These values show lower and upper limit.
- Values in ()parentheses refer the acceptable values only when alternative is not available
- NOTE:- The entire test was conducted as per the National Driking Water Quality Guide Line, (MPPW/GovN)
- TNTC :- Too Numerous Too Count

Analysed By

Verified By
सुनिल चौधरी
केमिष्ट

****

Government of Nepal
Ministry of Water supply
Department of Water Supply And Sewerage Management
Federal Water Supply And Sewerage Mangement Project
Water Quality Testing Laboratory
Janakpurdham, Dhanusha

Water Quality Test Report

Name of Client :-33. Shree Mai Sthan Janata aadharbhut Vi., Malangwa-12
Sample Code :-33/ Mlng, Srlh
Sampled By :- MKA
Source of sample :- Tubewell
Type of Sample :- Drinking Water
Location :- Malangwa-12, Gamhariya , Sarlahi

Date of Collection :-09/02/2080
Date of Analysis :-09/02/2080
Date of Completion :-11/02/2080

S.N.	Category	Parameter	Observed Value	NDWQS 2079 B.S.	Analysed Method
1	Physical	Turbidity	5	5	Nephelometeric
2		Temperature(°C)	34		Thermometric
3		Colour	–	Non Objectionable	
4		PH	7.5	6.5-8.5*	Instrumental
5		Electrical Conductivity(µs/cm)	394	1500	Instrumental
6		TDS (mg/l)	248	1000	Instrumental
7	Chemical	Iron (mg/l)	**0.95**	0.3	Phenanthroline Method
8		Manganese (mg/l)	–	0.2	Persulphate Method
9		Arsenic (mg/l)	0.02	0.05	Digital Arsenator
10		Ammonia (mg/l)	–	1.5	Nesselarization
11		Nitrate (mg/l)	–	50	UV Spectrophotometer Screening
12		Fluoride (mg/l)	–	0.5-1.5*	SPANDS Colorimeteric
13		Chloride (mg/l)	–	250	Argentometric Titration
14		Total Hardness (mg/l, as $CaCO_3$)	150	500	EDTA Titration
15		Calcium Hardness (mg/l)	98	200	EDTA Titration
16		Residual Chlorine (mg/l)	–	0.1-0.5*	Chlorine Comparator
17	Microbiologcal	Fecal coliform *E.coli* (CFU/100ml)	0	0	Membrane Filtration

- *These values show lower and upper limit.
- Values in ()parentheses refer the acceptable values only when alternative is not available
- NOTE:- The entire test was conducted as per the National Driking Water Quality Guide Line, (MPPW/GovN)
- TNTC :- Too Numerous Too Count

Analysed By

Verified By
सुनिल चौधरी
कोमिष्ट

****

Government of Nepal
Ministry of Water supply
Department of Water Supply And Sewerage Management
Federal Water Supply And Sewerage Mangement Project
Water Quality Testing Laboratory
Janakpurdham, Dhanusha

Water Quality Test Report

Name of Client :-35. Community Tubewell Near Maisthan School., Malangwa-12
Sample Code :-35/ Mlng, Srlh
Sampled By :- MKA
Source of sample :- Tubewell (225ft)
Type of Sample :- Drinking Water
Location :- Malangwa-12, Gamhariya , Sarlahi

Date of Collection :-09/02/2080
Date of Analysis :-09/02/2080
Date of Completion :-11/02/2080

S.N.	Category	Parameter	Observed Value	NDWQS 2079 B.S.	Analysed Method
1	Physical	Turbidity	7.6	5	Nephelometeric
2		Temperature(°C)	34		Thermometric
3		Colour	–	Non Objectionable	
4		PH	7.3	6.5-8.5*	Instrumental
5		Electrical Conductivity(µs/cm)	467	1500	Instrumental
6		TDS (mg/l)	294	1000	Instrumental
7	Chemical	Iron (mg/l)	0.6	0.3	Phenanthroline Method
8		Manganese (mg/l)	–	0.2	Persulphate Method
9		Arsenic (mg/l)	0.02	0.05	Digital Arsenator
10		Ammonia (mg/l)	–	1.5	Nesselarization
11		Nitrate (mg/l)	–	50	UV Spectrophotometer Screening
12		Fluoride (mg/l)	–	0.5-1.5*	SPANDS Colorimeteric
13		Chloride (mg/l)	–	250	Argentometric Titration
14		Total Hardness (mg/l, as $CaCO_3$)	240	500	EDTA Titration
15		Calcium Hardness (mg/l)	140	200	EDTA Titration
16		Residual Chlorine (mg/l)	–	0.1-0.5*	Chlorine Comparator
17	Microbiologcal	Fecal coliform *E.coli* (CFU/100ml)	80	0	Membrane Filtration

- *These values show lower and upper limit.
- Values in ()parentheses refer the acceptable values only when alternative is not available
- NOTE:- The entire test was conducted as per the National Driking Water Quality Guide Line, (MPPW/GovN)
- TNTC :- Too Numerous Too Count

Analysed By

Verified By
सुनिल चौधरी
केमिष्ट

****

धन्यवाद