

Functionality Assessment of Household Tap Connection under National Jal Jeevan Mission - 2022



District Report: North, Sikkim Survey Duration: March 2022

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Abbreviations

AWC	Aanganwadi Centre
FHTC	Functional Household Tap Connection
Gol	Government of India
GP	Gram Panchayat
HF	Health Facility
HH	Household
HGJ	Har Ghar Jal
JJM	Jal Jeevan Mission
LPCD	Litres per Capita per Day
MVS	Multi-village Scheme
NJJM	National Jal Jeevan Mission
RC	Residual Chlorine
O&M	Operation and Maintenance
OHT	Over Head Tank
PSU	Primary Sampling Unit
PWS	Piped Water Supply
SVS	Single Village Scheme
VAP	Village Action Plan
VWSC	Village Water and Sanitation Committee
WQMIS	Water Quality Monitoring and Information System



Glossary

- 1. Community Group of people living in one particular area or village/habitation
- Cross-sectional research A cross-sectional study is a type of research design in which data is collected from a relatively large and diverse group of people at a single point in time
- 3. **Drinking water source** Groundwater (open well, borewell, tube well, handpump, spring, etc.)/ surface water (river, lake, pond, reservoir, etc.)/rainwater, available for drinking and domestic use
- 4. Improved sources The following sources as considered improved by the National Family Health Survey definitions: Piped water into dwelling, yard/plot with a tap, piped water connected to public stand-posts, tube well or borewell, Hand pump, dug well– protected, Spring–protected, Rainwater, Water ATM/ Community RO plant/ Community Water Purification Plant (CWPP)
- 5. **Unimproved sources** The following sources as considered unimproved by the National Family Health Survey definitions: Unprotected spring, unprotected dug well, cart with small tank / drum, Tanker/ truck, Surface water (river/ dam/ lake/ pond/ canal), and bottled water
- 6. **Functional Household Tap Connection (FHTC)** A tap connection to a rural household for providing drinking water in adequate quantity of prescribed quality on regular basis.
- 7. **Functionality of FHTC** Functionality of a tap connection is defined as having infrastructure, i.e., household tap connection providing water in adequate quantity, as presented:

Definitions	Fully-functional	Partially-functional	Non-functional
Quantity	>= 55 LPCD	> 40 lpcd - < 55 LPCD	< 40 LPCD
Regularity	12 months or daily basis	9-12 months or < daily basis	< 9 months or < daily basis
Quality	Potable	Potable	Non potable

- 8. **Quantity (in litres)** of water received by households per person per day should meet the service level of 55 LPCD
- 9. **Functionality Assessment** An assessment of the functionality of rural household tap connections based on a sample survey
- 10. **Fully Regular –** Regularity of water is considered when a rural household receives water for 12 months on daily basis or as per schedule.
- 11. **Potability –** Potable water is water that is safe to be used as drinking water. Parameters of potable water are mentioned below:

Parameters for potable water tested in the survey				Permissible Limit in the absence of alternative sources
i.	pH (tested on site)	-	6.5 to 8.5	No relaxation
ii.	Free residual chlorine (tested on site)	Mg/litre	0.2	1
iii.	Turbidity	NTU	1	5
iv.	Total hardness	Mg/litre	200	600
٧.	Total alkalinity	Mg/litre	200	600
vi.	Chloride	Mg/litre	250	1000
vii.	Ammonia	Mg/litre	0.5	No relaxation
viii.	Phosphate	Mg/litre	0.3	1
ix.	Iron (in hotspots only)	Mg/litre	1	No relaxation
х.	Nitrate	Mg/litre	45	No relaxation
xi.	Sulphate	Mg/litre	200	400
xii.	Total dissolved solids	Mg/litre	500	2000



xiii.	Fluoride	Mg/litre	1	1.5
xiv.	Arsenic (in hotspots only)	Mg/litre	0.01	No relaxation
XV.			Shall not be detectable in	n any 100 ml sample

- 12. **Sampling** Selection of a subset of individuals from within a statistical population to estimate water service delivery among the population. In the current study, households have been sampled to estimate the representation of the village and subsequently of the district as well as of the state.
- 13. Types of schemes: Following are the piped water supply schemes that were assessed
 - a. Mini-solar based piped water supply scheme in isolated/tribal hamlets
 - b. Single Village Scheme (SVS) in villages having adequate groundwater that needs treatment
 - c. Single village scheme (having adequate groundwater/ spring water/ local or surface water source of prescribed Quality)
 - Retrofitting of ongoing schemes taken up under erstwhile NRDWP for the last mile connectivity/ retrofitting of completed rural water supply schemes to make it JJM compliant
 - e. Multi-village PWS scheme with water grids/ regional water supply schemes
- 14. Village Action Plan (VAP) Plan prepared by Gram Panchayat and/ or its sub-committee, i.e., VWSC/ Paani Samiti/ User Group, etc. based on baseline survey, resource mapping and felt needs of the village community to provide FHTC to every rural household, treat the generated greywater and plan its reuse, undertake surveillance activities, etc. VAP also indicates the fund requirement and timelines for completion of work under the Mission and will be approved by the Gram Sabha. Irrespective of the source of funding, all drinking water-related works in the village are taken up based on the VAP.
- 15. **Source Sustainability** includes measures such as aquifer recharge, rainwater harvesting, increased storage capacity of water bodies, reservoirs, de-silting, etc. improve the lifespan of water supply systems
- 16. **Har Ghar Jal (HGJ)** An administrative unit wherein all HHs are provided with water supply through FHTCs is called "Har Ghar Jal".
- 17. **Public Institutions** The public institutions in the survey include Aanganwadi Centre (AWC), Health Facilities, Schools, Gram Panchayat, and government buildings.
- 18. Working tap connection A tap connection supplied water at least one day in the week, preceding of survey
- 19. **Functional Scheme –** A scheme is said to be functional if it was reported to be working for all 12 months in a year.



1. Factsheet

Table 1: District level factsheet

Indicators	Sikkim	North
Functionality status of FHTC at households		
Households (HHs) which received water through FHTC at least once in last 7 days (%)	100	100
Fully functional (%)	48	64
Partially functional (%)	47	35
Non-functional (%)	5	0
Quantity of water received by households		
Adequate quantity (>55 LPCD) (%)	92	100
Partially adequate quantity (> 40 LPCD - < 55 LPCD) (%)	4	0
Inadequate quantity (<40 LPCD) (%)	4	0
Regularity of water received by households		
Fully Regular Supply (as per schedule) (%)	89	99
Partially Regular Supply (not as per schedule) (%)	9	0
Irregular Supply (less than 9 months' supply) (%)	3	1
Potable (Quality) water received by households		
Potable (%)	57	65
Non-potable (%)	43	35
Residual Chlorine (RCL) detected with in permissible limits (%)	1	0
Household level indicators		

Household level indicators		
Households receiving water supply daily-7 days a week (%)	88	100
Daily HH requirement of water being met by FHTC (%)	94	93
Households reported FHTC as a primary source of drinking water (%)	91	91
Households purifying water before drinking (%)	77	72
Households paying water service delivery charges (%)	9	16
Households having coping mechanisms during scarcity (%)	24	15
Households aware of grievance redressal mechanism for reporting	38	32
problems with FHTC (%)	30	52
Households reported incidence of water-borne diseases in the last year (%)	0	0
Households reported a reduction in time and effort in collecting water (%)	93	95
Overall user satisfaction at the household level		
Regularity (%)	86	94
Overall quality (%)	94	98



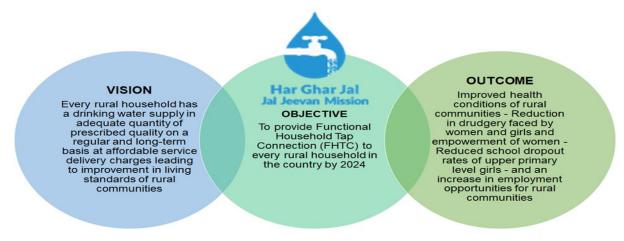
Indicators	Sikkim	North
Village level indicators (based on village questionnaire)		
Schemes reported to be functional (%)	62	81
Villages with groundwater resource (%)	4	0
Villages having groundwater recharge structure ¹ (%)	0	0
Water supply and storage status in villages		
Average no. of times water is supplied in a day	2	3
Villages having OHT/ Sump for storage of water (%)	25	4
Water quality monitoring and surveillance in the villages		
Villages with Field Test Kits (%)	7	10
Villages in which bacteriological test was done in last 1 year by VWSC/	1	0
Pani Samiti (%)	0	2
Villages reported to have a mechanism for chlorination (%)	2	2
VWSC/Pani Samiti and PWS signage in villages		0
Village reported having presence of VWSC/ Pani Samiti (%)	2	0
Villages in which VWSC/ Pani Samiti is responsible for Operation & Maintenance of PWS schemes (%)	0	0
Villages in which persons are trained to use Field Test Kits (%)	6	8
Villages in which signages about JJM were observed (%)	2	0
Operation and maintenance at village		
Villages levying water service delivery to households (%)	12	19
Convergence of JJM activities with other schemes in the villages (%)	0	0
Villages having skilled manpower for Operation & Maintenance of PWS schemes (%)	13	17
Community monitoring of water wastage in villages (%)	3	0

 $^{^{1}}$ Out of villages who reported to have groundwater source (N_v=0)

2. Context

Jal Jeevan Mission (JJM) was launched on the 15th of August 2019 with the objective to provide functional household tap connections (FHTCs) to all rural households.

Figure 1: Har Ghar Jal - Objective, Vision, & Outcome



In accordance with the overall objectives as specified in the Operational Guidelines for the implementation of the NJJM, Gol carried out a sample survey to assess the functionality of household tap connections. As part of this endeavour, NJJM, Gol engaged HTA Kantar Public to conduct the 'Functionality Assessment' of the household as well as public institution/ buildings such as schools, anganwadis, gram panchayat buildings, public health facilities, and wellness centers in all the rural districts for the fiscal year 2021-22.

2.1. District snapshot: North

District North of Sikkim has a population of 39,700. The district has 4 blocks. Out of 55 villages in the district, none are SC dominated and 54 are ST dominated villages. The district lies in Eastern Himalayan region and receives an annual rainfall of 2661.6mm.

Presented here are district level information collated from the DDWS-IMIS:

Figure 2: District IMIS Status & Map

IMIS status:

- 48 (87% of all) villages are Har Ghar Jal
- 7 (13% of all) villages are Non-Har ghar Jal
- SC/ST dominated district
- Non JE/AES
- No- History
- 54 (98% of all) villages with PWS more than 20 FHTC





2.2. FHTC Assessment Objectives

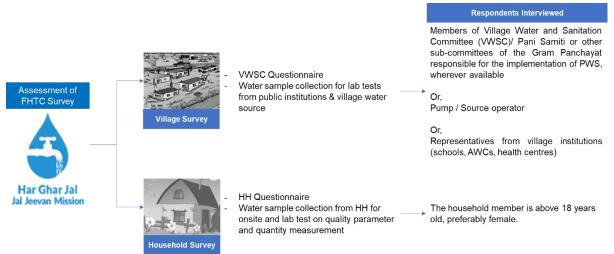
Figure 3: Objectives of Functionality of Tap Connections



2.3. Assessment Methodology

A cross-section research design has been used for this functionality assessment study. Quantitative data were collected from villages and households across all states/UTs using the CAPI (Computer Assisted Personal Interviewing) mode. The survey includes two components, village, and household.

Figure 4: Survey Components & Respondents



2.4. Sample Size

The sample size was calculated to provide estimates with a 95% confidence interval (CI) and 5% margin of error (MoE) after incorporating the correction factor for a finite population considering the total number of geographic units having FHTCs.

- Village sample is estimated to be representative at the state level
- HH sample estimated to be representative at the district level



- Number of Har Ghar Jal (HGJ) villages were proportionately sampled at the district level
- All PWS schemes (up to 4) were covered per village. Per scheme approximately 9 (3 each from the head, middle, and tail HHs) or 18 households (6 each from head, middle, and tail HHs) were sampled to achieve the desired sample at the district level.

2.5. Sampling Methodology

As per the design, all villages having a PWS scheme with 20 or more functional household tap connections were included in the sample frame. The probability proportionate to size (PPS) method was used for village selection in each district. The steps for random selection of villages using PPS are as presented:

Figure 5: Steps for Village Sampling



The key considerations for the village and household sampling were:

Figure 6: Sampling Considerations – Village & Households



The record of all district-wise village replacements is maintained and reported as part of the annexure.

2.6. Methodology for Water Quantity Measurement at Households

Figure 7: Steps for Measuring Flowrate from Supply-tap at HHs



The flow rate of the water supply was measured using a container with gradual markings (either 5 litres or 1 litre, based on the flow of the tap) and a stopwatch/timer-watch. The process followed is as described in Figure 7.

In the case of households where the FHTC is connected directly with the storage tank, the following steps were adopted to measure the quantity:

- Assessor first asked and recorded length, breadth, and height.
- Assessor dipped a 5 feet long rod, marked the level of the water table, and calculated the volume – length x breadth x-height of water.
- Next the assessor opened the valve of the connection and allowed the water to flow inside the storage for 10 minutes.
- After 10 mins, the valve was closed, and the assessor again dipped the rod and recorded the new height of the water inside the tank. Based on this new 'height' and the CAPI calculated the changed volume.
- The difference in the volume of water in 10 minutes divided by 10 provided the flow rate of the water supply per minute.

The water flow rate was not measured for village-level public institutions.

2.7. Methodology for Water Quality Measurement

Water quality was tested for all public institutions available in the villages, including schools, anganwadis, gram panchayat buildings, public health facilities, and wellness centers, and at the selected households. Two types of quality tests were carried out – a) spot test for pH and free residual chlorine, and b) water sample was collected and transported to labs for testing against 13 quality parameters (total 15) as specified in Figure 8.

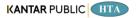
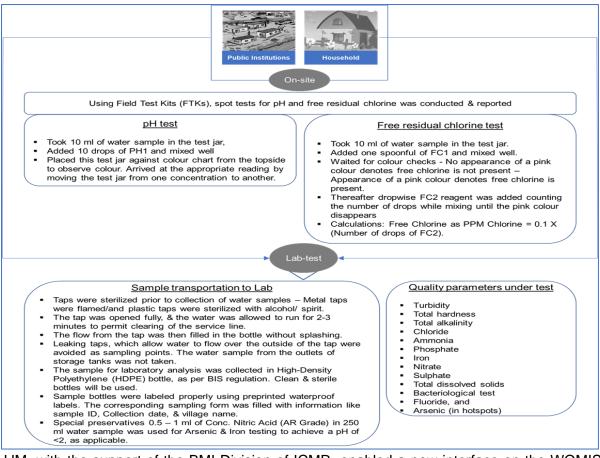


Figure 8: On-site & Laboratory Based Quality Test



JJM, with the support of the BMI Division of ICMR, enabled a new interface on the WQMIS portal for "Functionality Assessment (FA) User" to enable seamless harmonization of water sample registration, sample submission for testing, and sharing of results as per the applicable quality parameters.

2.8. Project implementation

An overview of the project implementation is as presented:

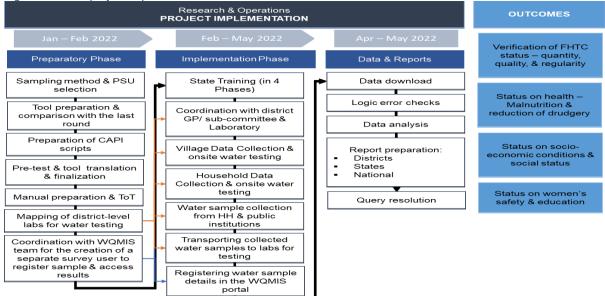


Figure 9: Broad project implementation framework



A total of 4 teams (comprising 4 supervisors, 24 assessors, and 4 water collection assistants) were recruited, trained, and deployed to complete the survey across the state of Sikkim. One survey team covered approximately 2 - 3 districts. The state-wise team deployment and fieldwork dates were as presented:

Table No. 1:	State-wise team deployment and data collection start & end dates				
State		Teams deployed	Start date	End date	Total data collection days
Sikkim		4 Teams	3/5/2022	3/31/2022	26 days

A four-tier quality control (QC) system was put in place. At the ground level, the data collection exercise was done using a computer-aided Personal Interview (CAPI) application which contained all logic and skip-checks inbuilt. Also, 5% of the total samples were accompanied by the supervisors. Sub-targeted QC was done by the state field managers (5%) and the central project management team (5%). Apart from this, the central research team monitored the data trend and as per requirement debriefed data collection teams to improve quality.

2.9. Sample coverage

Table No. 2: Sample covered						
	Targetee	d sample		Achieved sam	ple	
District	Village	НН	Village HH Public Institution			
North	48	1,044	48	1,041	0	
Sikkim	198	4,095	198	4,113	5	

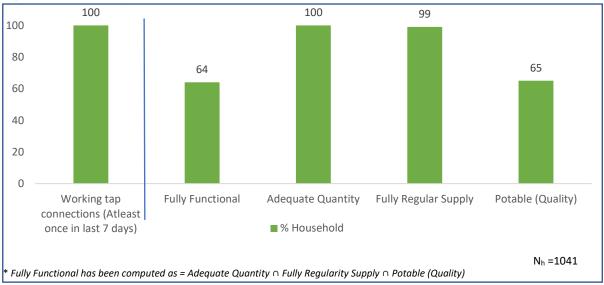
2.10. Sampled village and household profile

SAMPLED VILLAGES	SAMPLED HOUSEHOLDS
• Total no. of villages covered in the district – 48	Total no. of households covered in the district
Percentage of SC dominated villages covered	– 1041
in the district is 0% (which is slightly lower than	 Proportion of General - 29%, SC 16%, ST%
the state average, i.e., 2%)	53, OBC 2% households
Percentage of ST dominated villages covered	• 32% of the FHTC connections are under the
in the district is 98% (which is higher than the	name of a female member
state average, i.e., 42%)	 Average household size – 5
Higher proportion of SC/ST who panchayat	 >75% positive user experience in 5/5
members are not interviewed at the village level	measures
No the district reported to have any historical incidence of water contamination	



3. Findings

3.1. Functionality status of FHTC at household level A. Overall Functionality* (in %)





It has been found that 100 percent of the sampled HHs (N=1,041) had working tap connections (i.e., received water at least once in last 7 days). More than six out of ten (64 percent) HHs had fully functional tap connection (i.e., HHs receiving adequate quantity of prescribed quality of water on a regular basis).



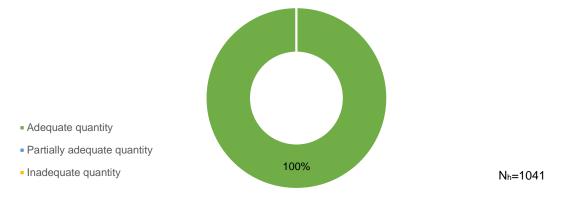
3.2. Quantity, Regularity, and Quality of Water

Under JJM, functionality is defined as having infrastructure, i.e., household tap connection providing water in adequate quantity (55 LPCD or more) of prescribed quality on regular basis (every day or as decided by GP and/ or its sub-committee) with adequate pressure. It will also include long-term source and system sustainability. Presented here are the findings in this respect.

A. Water quantity measured as LPCD (Litres per Capita per Day)

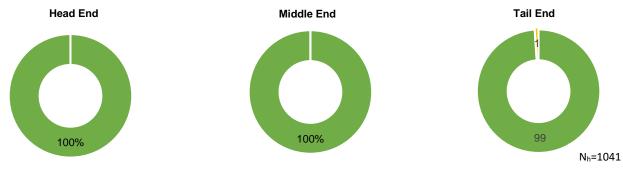
100% HHs reported receiving adequate quantity of water

Figure 11: Quantity of water received by households



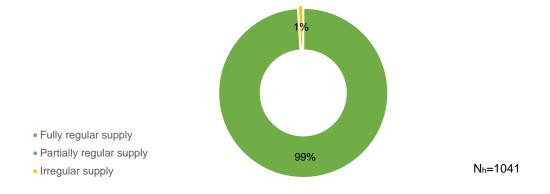
Quantity of water received across head, middle, and tail end HHs



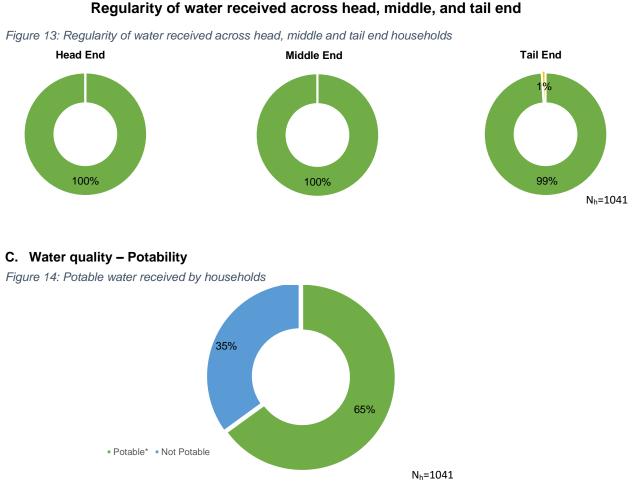


B. Regularity of water supply to households

99% HHs receive a regular supply of water (as per agreed schedule) *Figure: Regularity of water received by households*







*Potable water has been considered basis testing of water samples through laboratory tests for physical, chemical, and bacteriological as given in Table 4 parameters (within acceptable/permissible range) and onsite testing of pH. The details of laboratory test are mentioned in the table given above in the glossary.

Table No. 3: Village quality parameters reported within permissible range (% sample within permissible range)

No public institutes were found in any of the villages within the district.



Quality Parameters	No of samples tested	% Households	
pH (on-site)	1041	80	
Turbidity	1026	100	
Total Hardness	1019	100	
Total Alkalinity	1023	100	
Chloride	1	100	
Ammonia	Not tested		
Iron	No hist	ory	
Nitrate	990	100	
Sulphate	989	100	
Total Dissolved Solids	1023	100	
Bacteriological Test (Presence/Absence)	1016	77	
Fluoride	No history		
Arsenic	No history		

 Table No. 4: Household water quality parameters reported within permissible range (in % sample within permissible range)

Safeguarding piped water supply for unforeseen bacteriological contamination-Presence of Residual Chlorine (RC)

The Residual Chlorine (RC) in the North district was found in none of the samples. All the samples had no RC. It was found that in 23% of the samples bacteriological contamination was found, and all these samples had no residual chlorine.

The Residual Chlorine in piped water supply is one of the most important preventive actions to assure quality of water against bacteriological contamination from source to consumption. The presence of residual chlorine within permissible limits is indicator of well-maintained and healthy piped water supply system.

It is advised that behavioural change communication campaigns on appropriate dosage of residual chlorine is held in all villages and monitoring system for chlorine dosing is established. The FTK must have residual chlorine testing facility for effective WQM&S.

Comment on functioning of District Lab:

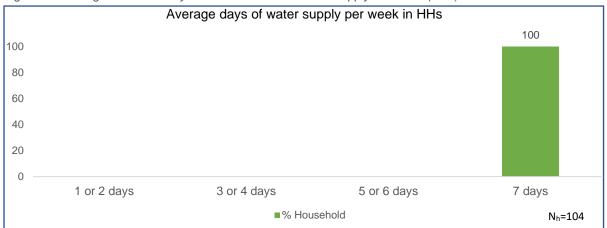
The district lab tested water samples for 8 water quality parameters. 1041 water samples were submitted, and 1027 water samples were tested, and reports made available. The turnaround time for testing was more than 48 hours in most cases.

The labs did not have any issue with testing the number of water samples submitted nor had any issues with human resources, reagents, etc. However, the only concern was the lab did not accept any amples during weekends and public holidays.

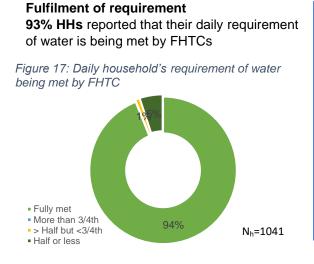


3.3. Average water supply days in a week

Figure 15: Average number of days households receive water supply in a week (in %)



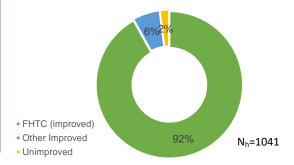
3.4. Household utilization of water for drinking and other activities

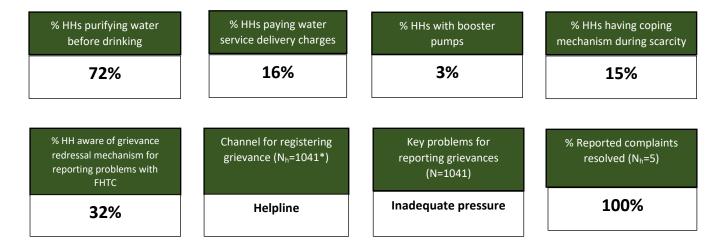


3.5. Status at HH level (Nh=1041)

Primary source of drinking water 91% HHs reported HH tap connection as their primary source of drinking water

Figure 18: Figure 18: Households reported FHTC as primary source of drinking water





*HHs who reported complaints in last 1 year



3.6. Source sustainability at the village level

Schemes based on surface and ground water

85% of schemes are reported to be based on surface water.





*'Surface Water Source' is Stream, Spring, Glacier, River, lake, pond etc. and Groundwater Source is open well, borewell, tube well, handpump, spring, etc

Villages reported having presence of a groundwater source

None of the villages in this district reported to have the presence of any groundwater sources.

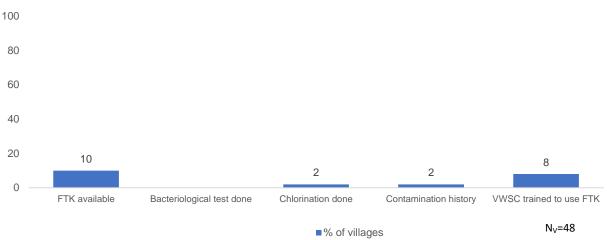
The top 3 other source sustainability measure taken by villages

No source sustainability measures were taken by any of the villages in this district.



3.7. Water quality monitoring and surveillance in the villages

Figure 22: Water quality monitoring and surveillance by villages



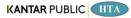
3.8. Status of JJM

A. VWSC/Pani Samiti and PWS signage in villages (Nv=48)

Presence of VWSC/Pani	VWSC/Pani Samiti	% Villages – VWSC/PO	% Villages in which signages about JJM was
Samiti	responsible for O&M of	trained to use FTKs	
0%	PWS Schemes 0%	8%	observed 0%

B. Water supply, storage and operation & maintenance at village level (N_v=48)

Average no. of supply in a day	% Villages levying water service delivery to HH	% Villages with skilled manpower for O&M	Community monitoring of water wastage in villages
3	19%	17%	None
% Villages having OHT/ Sump	% Villages having faced O&M challenges	Primary points for reporting grievances	Key problems for reporting grievances
4%	0%	Helpline	Pipeline leakage

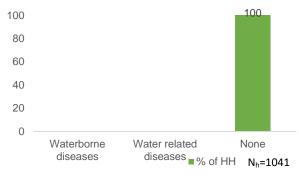


3.9. Perception of HHs on Outcome Indicators

a. Health

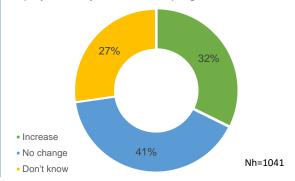
Incidence of water borne diseases at HH level in last one year as reported

Figure 23: Household reported incidence of water borne diseases in last one year

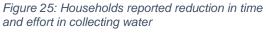


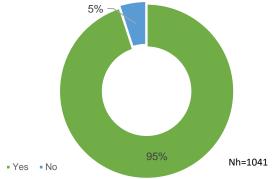
b. Economic Income Change in employment days since FHTC programmes/schemes

Figure 24: Household reported a change in employment days since FHTC programmes /schemes



c. Drudgery Reduction in time and effort in collecting water







3.10. User satisfaction

Table No	Table No. 5: User satisfaction - more than 75% happy with FHTC services					
S. No.	Parameter (N _h =1041) In %					
1	Regularity		94			
2	Overall quality		98			
3	Colour		98			
4	Taste		96			
5	Odour	\odot	97			

Note:

Base (N_v)=48 means all villages sampled and covered in North district

Base (N_H)=1041 means all households sampled and covered across the 48 villages in North district Base (N_H)=1041 means all households where female members used to fetch water before HH tap connection



4. Annexures

4.1. Summary of villages

S.No.	. 6: Village sumn Name of sample village	Sample HHs	Actual sample HHs (achieved)	No. of scheme	No of source of surface water	No of source of Ground water
1	Total	1044	1089	52	49	
2	Tsungthang	18	20	1	1	
3	Shipgyer	18	19	1	1	
4	Lachen	36	37	1	1	
5	Lachung	36	37	1	1	
6	Kabi	27	32	1	1	
7	Tingda	36	37	1	2	
8	Labi	18	19	1	1	
9	Men-Rongong	27	30	1	1	
10	Phamtam	9	11	1	1	
11	Chawang	36	34	1	1	
12	Tumlong	36	36	1	1	
13	Phodong	9	11	2	1	
14	Rongong	9	10	1	1	
15	Ramthamg	27	28	1	1	
16	Namok	9	10	1	1	
17	Upper Mangshila	36	37	1	1	
18	Lower Mangshila	27	28	1	1	
19	Tingchim	36	37	1	1	
20	Zimchung	18	19	1	1	
20	Nampatam	9	19	1	1	
21	Ringhim	9			1	
		-	10	1		
23	Singhik	27	28	1	1	
24	Pakshep	9	10	1	1	
25	Kazor	9	10	1	1	
26	Singhik Sentam	36	37	1	1	
27	Singchit	36	38	1	1	
28	Meyong	18	19	1	1	
29	Naga-Namgor	36	37	1	1	
30	Toong	18	19	1	1	
31	Salim Pakel	18	19	3	1	
32	Lingthem	36	37	1	1	
33	Lingdem	18	19	1	1	
34	Tingbong	36	37	1	1	
35	Lingzah-Tolung	9	10	1	1	
36	Sakyong- Pentong	9	10	1	1	
37	Lingdong	9	10	1	1	
38	Barfok	9	10	1	1	
39	Hee-Gyathang	36	37	1	1	
40	Gnon-Samdong	18	19	1	1	
	Gor Gor					
41		27	28	1	1	
42	Sangtok	18	19	1	1	
43	Lum	18	19	2	1	
44	Lingdok	36	38	1	1	
45	Nampong	18	18	1	1	
46	Navey	9	9	1	1	
47	Shotak	9	10	1	1	
48	Penlong	18	19	1	1	



Table No.	Table No. 6: Village summary							
S.No.	Name of sample village	Sample HHs	Actual sample HHs (achieved)	No. of scheme	No of source of surface water	No of source of Ground water		
49	Navey	18	11	1	1			

4.2. Functionality – 55 LPCD vs regularity vs potability vs working tap connection

Table	No. 7: Func	tionality of HH tap co	onnection			
S. No.	Village	Fully Functional* (% HH)	Adequate Quantity (% HH)	Fully Regular Supply (% HH)	Potable (Quality) (% HH)	Working tap connections (%HH)
1	Total	64.4	99.8	99.4	65.0	100.0
2	Tsungthang	94.7	100.0	100.0	94.7	100.0
3	Shipgyer	83.3	100.0	94.4	88.9	100.0
4	Lachen	61.1	100.0	100.0	61.1	100.0
5	Lachung	97.2	100.0	100.0	97.2	100.0
6	Kabi	58.1	100.0	100.0	58.1	100.0
7	Tingda	55.6	97.2	97.2	61.1	100.0
8	Labi	27.8	100.0	100.0	27.8	100.0
9	Men-Rongong	100.0	100.0	100.0	100.0	100.0
10	Phamtam	30.0	100.0	100.0	30.0	100.0
11	Chawang	63.6	100.0	100.0	63.6	100.0
12	Tumlong	40.0	100.0	100.0	40.0	100.0
13	Phodong	100.0	100.0	100.0	100.0	100.0
14	Rongong	0.0	100.0	100.0	0.0	100.0
15	Ramthamg	100.0	100.0	100.0	100.0	100.0
16	Namok	88.9	100.0	100.0	88.9	100.0
17	Upper Mangshila	58.3	100.0	100.0	58.3	100.0
18	Lower Mangshila	66.7	100.0	92.6	70.4	100.0
19	Tingchim	97.2	100.0	100.0	97.2	100.0
20	Zimchung	38.9	100.0	100.0	38.9	100.0
21	Nampatam	0.0	100.0	100.0	0.0	100.0
22	Ringhim	55.6	100.0	100.0	55.6	100.0
23	Singhik	100.0	100.0	100.0	100.0	100.0
24	Pakshep	55.6	100.0	100.0	55.6	100.0
25	Kazor	11.1	100.0	100.0	11.1	100.0
26	Singhik Sentam	22.2	100.0	100.0	22.2	100.0
27	Singchit	24.3	100.0	100.0	24.3	100.0
28	Meyong	5.6	100.0	100.0	5.6	100.0
29	Naga-Namgor	97.2	100.0	100.0	97.2	100.0
30	Toong	94.4	100.0	100.0	94.4	100.0
31	Salim Pakel	44.4	100.0	100.0	44.4	100.0
32	Lingthem	94.4	100.0	100.0	94.4	100.0
33	Lingdem	38.9	100.0	100.0	38.9	100.0
34	Tingbong	80.6	100.0	97.2	83.3	100.0
35	Lingzah- Tolung	100.0	100.0	100.0	100.0	100.0
36	Sakyong- Pentong	33.3	100.0	100.0	33.3	100.0
37	Lingdong	88.9	100.0	88.9	100.0	100.0
38	Barfok	100.0	100.0	100.0	100.0	100.0
39	Hee-Gyathang	97.2	100.0	100.0	97.2	100.0
40	Gnon- Samdong	94.4	100.0	100.0	94.4	100.0
41	Gor	96.3	100.0	100.0	96.3	100.0
42	Sangtok	33.3	100.0	100.0	33.3	100.0
43	Lum	5.6	100.0	100.0	5.6	100.0



Table	Table No. 7: Functionality of HH tap connection					
S. No.	Village	Fully Functional* (% HH)	Adequate Quantity (% HH)	Fully Regular Supply (% HH)	Potable (Quality) (% HH)	Working tap connections (%HH)
44	Lingdok	2.7	97.3	100.0	5.4	100.0
45	Nampong	11.8	100.0	100.0	11.8	100.0
46	Navey	75.0	100.0	100.0	75.0	100.0
47	Shotak	100.0	100.0	100.0	100.0	100.0
48	Penlong	88.9	100.0	100.0	88.9	100.0
49	Navey	100.0	100.0	100.0	100.0	100.0

* Fully Functional has been computed as = Adequate Quantity ∩ Fully Regularity Supply ∩ Potable (Quality)

4.3. Villages not meeting the quality parameters

Table I		lity parameters diss	atisfied at vill	age level	
		ange- 6.5 to 8.5)	-		
S.No.	Block Name	Panchayat Name	Villages	No. of HHs outside the acceptat	
1	Chungthang	Chungthang	Tsungthang		1
2		Lachen	Lachen		12
3		Shipgyer	Shipgyer		2
4	Kabi	Kabi Rongpa	Kabi		6
5		Lingchom Tingda	Tingda		12
6		Lingdok	Lingdok		17
7		Namphong	Nampong		10
8		Men Rongong	Phamtam		7
9			Chawang		8
10		Phensong	Labi		12
11		Rongong Tumlong	Rongong		9
12	Mangan	Mangshila Tibuk	Lower		1
	-		Mangshila		
13		Ringhim Nampatam	Nampatam		9
14		Singhik	Kazor		6
15			Singhik		15
			Sentam		
16		Tingchim Chadey	Zimchung		10
17		Tung Naga	Singchit		16
18			Meyong		10
19	Passingdang	Lingthem	Salim Pakel		10
20		Lingdem	Lingdem		9
21		Lum-Gor-Sangtok	Sangtok		12
22			Lum		10
23		Sakyong Pentong	Sakyong-		2
			Pentong		
24		Tingbong	Tingbong		2
2. Fre	ee residual chi	orine (Acceptable R	ange- 0.2 to 1		Lilla suddh
S.No.	Block Name	Panchayat Name	Villages	HHs outside the acceptable/permissible range	HHs with no chlorine
1	Chungthang	Chungthang	Tsungthang	0	19
2		Lachen	Lachen	0	36
3		Lachung	Lachung	0	36
4		Shipgyer	Shipgyer	0	18
5	Kabi	Kabi Rongpa	Kabi	0	31
6		Lingchom Tingda	Tingda	0	36
7		Lingdok	Lingdok	0	37
8	1	Namphong	Nampong	0	17
		Men Rongong	Men-	0	29
9			Rongong		
10			Phamtam	0	10
11			Chawang	0	33



12 Navey Shotak Navey 0 8 13 14 Parlong 0 18 16 Peniong 0 19 16 Peniong 0 18 16 Ramthang 0 19 17 Tangyak Ramthang 0 27 18 Rongong Tumiong 0 35 19 Tumiong Phodong 0 36 20 Mangan Mangshila Tibuk Wape shila 0 27 21 Mangan Namok Sweyam Namok and Sweyam Namok and Sweyam Namok and Sweyam 0 9 22 Namok Sweyam Namok and Sweyam Namok and Sweyam 0 27 23 Singhik Pasishep 0 29 36 24 Tingchim Chady Tingchim 0 36 34 Tingchim Chady Tingchim 0 36 34 Tingchim 0 36 <	Table N	No. 8: Qual	ity parameters diss	atisfied at vill	age level	
13 Shotak 0 9 14 Peniong 0 18 16 Navey 0 10 16 Phensong Labi 0 18 17 Rongong Tumlong 0 35 19 Tumlong Phong 0 35 19 Tumlong Phong 0 35 20 Mangan Mangshila Tibuk Upper 0 36 21 Namok Sweyam Namgshila 0 9 22 Namok Sweyam Namgshila 0 9 23 Namok Sweyam Namgatam 0 9 24 Singhik Pakshep 0 27 26 Singhik Pakshep 0 36 31 Tingchim Chadey Tingchim 0 36 33 Tingchim Chadey Tingchim 0 36 34 Group 0 18 36 36						8
141 15 16 16 16 17 17 18 18 19 19 10 10 10 10 10 10 10 10 10 10 10 10 10			Navey Onotak			
15 Navey 0 10 16 Phensong Labi 0 16 17 Ramhang Ramhang 0 27 18 Tumlong Photong 0 36 19 Tumlong Photong 0 9 20 Mangan Mangshila Tibuk Upper 0 36 21 Namok Sweyam Namgshila 0 9 22 Namok Sweyam Namgshila 0 9 23 Namok Sweyam Namok 0 9 24 Namok Sweyam Namgshila 0 27 25 Namok Sweyam Namgshila 0 27 26 Namok Sweyam Namgshila 0 27 27 Singhik Pakshep 0 36 31 Tingchim Chadey Tingchim 0 36 33 Tingchim Chadey Tingchim 0 37 33 Singhik 0 <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td>					-	
16 Phensong Labi 0 18 17 Tangyak Ramthang 0 27 18 Tangyak Tumlong 0 35 19 Tumlong Phodong 0 36 20 Mangan Magshila Tibuk Upper 0 36 21 Namok Upper 0 36 22 Namok Sweyam Namok 0 9 23 Namok Sweyam Namok 0 9 24 Ringhim Nampatam Ringhin Nampatam 8/inghik 0 9 26 Singhik Paskshep 0 9 36 9 36 29 Tingchim Chadey Tingchim 0 36 36 36 36 37 36 36 36 36 36 36 36 36 36 36 36 36 36 36 36 36 36 36 36 3					-	
Tr Ramthang Ramthang 0 27 16 Tumiong Tumiong Tumiong Phodong 0 35 19 Tumiong Phodong 0 35 20 Mangan Mangshila Tibuk Upper 0 36 21 Mangshila Tibuk Upper 0 36 22 Namok Sweyam Namgshila 0 9 23 Namok Sweyam Nampatam 0 9 24 Namok Sweyam Nampatam 0 9 25 Singhik Pakshep 0 27 26 Singhik Pakshep 0 9 33 Tingchim Chadey Tingchim 0 36 34 Tung Naga Singchit 0 37 35 Passingdang Barlok Lingdong Lingdong 0 18 36 Hee-Gyathang Ciroar- 0 18 37 Sakyong Pentong Lingdem						
17 Tangyak Turmlong 0 18 Rongong 0 35 19 Mangan Mangshila Tibuk 0 9 20 Mangan Mangshila Tibuk 0 9 21 Mangshila Tibuk 0 9 23 Namok Sweyam Mangshila 0 9 23 Namok Sweyam Namok 0 9 24 Namok Sweyam Nampatam 0 9 25 Namok Sweyam Nampatam 0 9 26 Nampatam 0 9 9 27 Singhik Pakshep 0 9 30 Tingchim Chadey Tingchim 0 36 31 Tung Naga Singhik 0 37 33 Tung Naga Singchit 0 36 34 Tung Naga Singchit 0 36 36 Passingdang Barlok Lingdong Lingdong 0 <t< td=""><td>16</td><td></td><td></td><td></td><td>0</td><td>18</td></t<>	16				0	18
18 Rongong Tumlong Phodong 0 35 19 Mangan Mangshila Tibuk Upper Mangshila 0 9 21 Mangshila Tibuk Upper Mangshila 0 9 22 Namok Sweyam Namok 0 9 23 Namok Sweyam Namok 0 9 24 Ringhim Nampatam 0 9 25 Nampatam Ringhim 0 9 26 Singhik 0 27 0 9 27 Singhik 0 27 0 9 28 Singhik 0 27 0 9 29 Singhik 0 36 36 36 36 31 Tung Naga Singchit 0 37 36 36 36 36 36 36 36 36 36 36 36 36 36 36 36 36 36 36 <td></td> <td></td> <td></td> <td>Ramthamg</td> <td>0</td> <td>27</td>				Ramthamg	0	27
19 Tumiong Phodong 0 10 20 Mangan Mangshila Tibuk Upper Mangshila 0 9 21 Mangshila Tibuk Upper Mangshila 0 27 22 Namok Sweyam Namok 0 9 23 Namok Sweyam Namok 0 9 24 Namok Sweyam Namok 0 9 25 Namok Sweyam Namok 0 9 26 Namok Sweyam Namok 0 9 27 Singhik Pakshep 0 0 9 28 Singhik Pakshep 0 36 36 30 Tingchim Chadey Tingchim 0 18 36	17		Tangyak			
19 Tumiong Phodong 0 10 20 Mangan Mangshila Tibuk Upper Mangshila 0 9 21 Mangshila Tibuk Upper Mangshila 0 27 22 Namok Sweyam Namok 0 9 23 Namok Sweyam Namok 0 9 24 Namok Sweyam Namok 0 9 25 Namok Sweyam Namok 0 9 26 Namok Sweyam Namok 0 9 27 Singhik Pakshep 0 0 9 28 Singhik Pakshep 0 36 36 30 Tingchim Chadey Tingchim 0 18 36	18		Rongong	Tumlong	0	35
20 Rongong 0 9 21 Mangan Mangshila Tibuk Upper 0 36 22 Namok 0 27 36 23 Namok Sweyam Namok 0 9 24 Ringhim Namok 0 9 25 Namok Sweyam Namok 0 9 26 Singhik O 27 27 Singhik Pakshep 0 9 28 Singhik 0 36 9 30 Tingchim Chadey Finghim 0 36 31 Tung Naga Singhik 0 36 32 Tung Naga Singchit 0 37 33 Tung Naga Singchit 0 36 34 Lingdong 0 18 Namgor 35 Lingdong 0 18 Namgor 36 36 Passingdang Barlok Lingdong Lingdon	19				0	
Mangan Mangshila Tibuk Upper Mangshila 0 36 22 Namok Sweyam Namok 0 27 23 Namok Sweyam Namok 0 9 24 Namok Sweyam Namok 0 9 25 Namok Sweyam Nampatam 0 9 26 Nampatam 0 9 9 27 Singhik 0 27 0 9 28 Singhik 0 27 0 9 29 Singhik 0 0 9 30 Tingchim Chadey Tingchim 0 36 31 Tury Naga Singchit 0 37 33 Tury Naga Singchit 0 37 34 Europhic Gonon 0 18 39 Hee-Gyathang Hee-Gyathang Hee-Gyathang 0 36 40 Lingdem Lingdem 0 36 36 36<			5		-	
21 Mangshila	20	Mangan	Mangshila Tibuk		-	-
22 Namok Sweyam Namok 0 27 23 Namok Sweyam Namok 0 9 24 Ringhim Nampatam 0 9 25 Nampatam 0 9 26 Nampatam 0 9 27 Singhik Pakshep 0 9 28 Singhik Pakshep 0 9 30 Tingchim Chadey Tingchim 0 36 31 Tung Naga Singchit 0 37 33 Tung Naga Singchit 0 36 34 Tung Naga Singchit 0 37 37 Toong 0 18 Nagar 0 36 38 Hee-Gyathang Hee-Gyathang 0 36 36 39 Lingthem Saimorg 0 18 36 40 Lingthem Saigtok 0 18 36 36 36 37 </td <td>21</td> <td>Mangan</td> <td>Mangshila Tibuk</td> <td></td> <td>0</td> <td>50</td>	21	Mangan	Mangshila Tibuk		0	50
223 Ammok Sweyam Namok Amok 0 9 224 Ringhim Nampatam 0 9 225 Nampatam Ringhim 0 9 226 Singhik 0 9 227 Singhik Passhep 0 9 230 Tingchim Chadey Tingchim 0 36 30 Tingchim Chadey Tingchim 0 36 31 Tung Naga 0 36 37 33 Tung Naga 0 36 37 34 Tung Naga 0 38 38 36 Passingdang Bartok Lingdong 0 37 37 Hee-Gyathang Hee-Gyathang 1 36 38 Conn- 0 36 36 39 Lingthem Samong 0 36 40 Lingthem Santok 0 18 41 Lingdem 1 36 9	21				0	27
23 Namok Sweyam Namok 0 9 24 Ringhim Nampatam 0 9 26 Nampatam 0 9 27 Singhik Pakshep 0 9 28 Singhik 0 9 30 Tingchim Chadey Singhik 0 36 31 Tingchim Chadey Tingchim 0 36 33 Tung Naga Singchit 0 37 34 Tung Naga Singchit 0 36 35 Passingdang Barlok Lingdong Maga- 0 36 36 Passingdang Barlok Lingdong Lingdong 0 39 40 Lingthem Salim Pakel 0 36 41 Lingthem Salim Pakel 0 36 42 Lum-Gor-Sangtok Gon 0 37 44 Sakyong-Pentong Total Maga 0 36 5.0 Block Name<	22				0	21
24 Ringhim 0 9 25 Singhik 0 9 26 Singhik 0 27 27 Singhik 0 27 27 Singhik 0 29 30 Singhik 0 9 31 Factor 0 9 32 Tingchim Chadey Tingcrim 0 36 34 Singhik 0 37 36 34 Tung Naga Singchit 0 37 36 Passingdang Barfok Lingdong 0 36 38 Gono- 0 18 36 39 Hee-Gyathang Hee- 0 36 40 Lingthem Salim Pakel 0 18 41 Lingdem Lingdem 0 36 42 Lum-Gor-Sangtok Gono- 0 18 10gdem Lingdem 0 36 44 Sak						
Nampatam Ringhim 0 9 26 Singhik 0 27 28 Singhik Pakshep 0 9 28 Kazor 0 9 30 Singhik 0 36 31 Tingchim Chadey Tingchim 0 36 33 Tingchim Chadey Tingchim 0 36 34 Tung Naga Singchit 0 37 37 Tong Naga Singchit 0 18 36 Passingdang Barfok Lingdong Lingdong 0 18 37 Toong 0 18 0 36 38 Hee-Gyathang Hee- 0 36 39 Lingthem Samdong 0 18 40 Lingthem Samdong 0 18 41 Lingthem Samdong 0 18 44 Lingthem Sakyong- 0 9						
26 Singhik 0 27 27 Singhik Pakshep 0 9 30 Kazor 0 9 31 Singhik 0 36 32 Tingchim 0 36 33 Tung Naga Singchit 0 37 33 Tung Naga Singchit 0 37 36 Passingdang Barlok Lingdong 0 38 36 Passingdang Barlok Lingdong 0 9 37 Toong 0 18 38 Hee-Gyathang Hee- 0 36 39 Lingthem Salim Pakel 0 18 40 Lingdem Uingdem 0 18 41 Lingdem Lingdem 0 18 43 Lum-Gor-Sangtok Gor 0 18 44 Sakyong Pentong Lingzah- 0 18 5.0 Block Name Panchay						
27 Singhik Pakshep 0 9 28 Kazor 0 9 30 Tingchim Chadey Tingchim 0 36 31 Tingchim Chadey Tingchim 0 36 33 Tung Naga Singchit 0 37 34 Tung Naga Singchit 0 37 35 Tong 0 18 36 Passingdang Barfok Lingdong 0 18 37 Toong 0 18 38 Hee-Gyathang Hee 0 36 39 Hee-Gyathang Hee 0 36 40 Lingthem Saidong 36 41 Lingdem 0 18 42 Lingthem Saigtok 0 18 43 Lum-Gor-Sangtok Gor 0 27 44 Sakyong- 0 18 10 36 5.No. Block Name Panchayat	25		Nampatam		-	
27 Singhik Pakshep 0 9 28 Kazor 0 9 30 Tingchim Chadey Tingchim 0 36 31 Tingchim Chadey Tingchim 0 36 33 Tung Naga Singchit 0 37 34 Tung Naga Singchit 0 37 35 Tong 0 18 36 Passingdang Barfok Lingdong 0 18 37 Toong 0 18 38 Hee-Gyathang Hee 0 36 39 Hee-Gyathang Hee 0 36 40 Lingthem Saidong 36 41 Lingdem 0 18 42 Lingthem Saigtok 0 18 43 Lum-Gor-Sangtok Gor 0 27 44 Sakyong- 0 18 10 36 5.No. Block Name Panchayat	26			Singhik	0	27
28 Kazor 0 9 30 Singhik 0 36 31 Tingchim Chadey Tingchim 0 36 32 Tingchim Chadey Tingchim 0 37 33 Tung Naga Singchit 0 37 34 Tung Naga Singchit 0 37 35 Passingdang Barfok Lingdong Lingdong 0 9 36 Passingdang Barfok Lingdong Lingdong 0 9 37 Gnon- 0 18 9 9 18 40 Lingthem Samdong 0 18 18 18 41 Lingthem Samdong 0 18 18 18 18 18 18 18 18 19 18 19 18 18 18 18 18 18 19 18 19 18 19 18 19 18 19 18 19 18 19 18 19 19 19 19 18	27		Singhik		0	9
29 Singhik 0 36 30 Tingchim Chadey Tingchim 0 36 31 Tung Naga Singchit 0 37 33 Tung Naga Singchit 0 37 34 Tung Naga Lingdong 0 18 35 Toong 0 18 36 Passingdang Barfok Lingdong 0 9 37 Toong 0 18 38 Hee-Gyathang Hee-Gyathang Gron- 0 9 40 Lingthem Salim Pakel 0 18 41 Lingdem Lingthem 0 36 42 Lum-Gor-Sangtok Gor 0 17 44 Lum-Gor-Sangtok Gor 0 18 44 Sakyong- 0 9 9 46 Tingbong Tingbong 0 36 3. Turbidity (Acceptable Range-1 to 5 NTU) Sakyong- 0	28		0		0	
29 Tingchim Chadey Tingchim 0 36 31 Tung Naga Singchit 0 37 33 Tung Naga Singchit 0 37 34 Tung Naga Singchit 0 37 35 Toong 0 18 36 Passingdang Barfok Lingdong Lingdong 0 9 37 Barfok Gnon- 0 36 39 Hee-Gyathang Hee- 0 36 41 Lingthem Samdong 0 18 43 Lingthem Saim Pakel 0 18 44 Lingdem 0 36 27 44 Sangtok 0 18 36 45 Lum-Gor-Sangtok Gor 0 27 46 Sakyong-Pentong Lingzah- Tolung 0 36 37 Turbidity (Acceptable Range-1 to 5 NTU) Sakyong- Sakyong- 0 36 38 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td></td<>						
30 Tingchim Chadey Tingchim 0 36 31 Tung Naga Singchit 0 18 33 Tung Naga Singchit 0 37 36 Passingdang Barfok Lingdong 0 18 36 Passingdang Barfok Lingdong 0 18 37 Toong 0 18 38 Barfok Lingdong 0 9 40 Lingdong 0 9 40 Lingthem Salim Pakel 0 18 41 Lingthem Salim Pakel 0 18 42 Lingdem Lingthem 0 18 43 Lum-Gor-Sangtok Gor 0 18 44 Sakyong Pentong Lingzah- 0 18 5 Sakyong Pentong Tingbong Tingbong 0 36 44 Sakyong Pentong Tingbong 0 36 5 Total hardness (Acceptable Range-1 to 5 NTU) <td>20</td> <td></td> <td></td> <td></td> <td>0</td> <td>50</td>	20				0	50
31 Zimchung 0 18 32 Tung Naga Singchit 0 37 33 Meyong 0 18 Naga- 0 36 34 Toong 0 18 Naga- 0 36 35 Toong 0 18 Naga- 0 36 36 Passingdang Barfok Lingdong Lingdong 0 9 37 Hee-Gyathang Hee- 0 36 38 Gnon- 0 18 40 Lingthem Salim Pakel 0 18 41 Lingdem Lingdem 0 18 42 Lum-Gor-Sangtok Gor 0 18 43 Lum-Gor-Sangtok Gor 0 18 44 Sakyong Pentong Lingzah- 0 9 7 Tingbong Tingbong 0 36 3. Turbidity (Acceptable Range- 1 to 5 NU) Sakyong- 0			Tingchim Chaday		<u>^</u>	26
32 Tung Naga Singchit 0 37 33 Meyong 0 18 34 Naga- 0 36 36 Passingdang Barfok Lingdong 10 18 37 Barfok 0 9 37 38 Barfok Lingdong 10 9 37 Gron- 0 18 40 Lingdong 0 9 40 Lingthem Salim Pakel 0 18 41 Lingthem Salim Pakel 0 18 43 Lum-Gor-Sangtok Gor 0 18 44 Lum-Gor-Sangtok Gor 0 18 5 Satyong- 0 18 10 18 44 Lum-Gor-Sangtok Gor 0 36 7 Turbidity (Acceptable Range-1 to 5 NTU) Sakyong- 0 36 5. Total hardness (Acceptable Range-200 to 600 Milligram/litre) NA NA NA			ringchim Chadey			
33 Meyong 0 18 34 Naga- 0 36 35 Toong 0 18 36 Passingdang Barfok Lingdong 0 9 37 Barfok 0 9 38 Barfok 0 9 40 Hee-Gyathang Hee-Gonon- 0 18 41 Lingthem Samdong 0 18 42 Lingthem Sangtok 0 18 43 Lum-Gor-Sangtok Gor 0 18 44 Sakyong Pentong Lingzah- 0 18 45 Lum-Gor-Sangtok Gor 0 18 46 Sakyong- 0 9 9 47 Tingbong Tingbong 0 36 38 Tingbong Tingbong 0 36 39 NA NA NA NA NA 47 Sakyong- 0 <					-	
34 Naga- Namgor 0 36 35 Toong 0 18 36 Passingdang Barfok Lingdong 0 9 37 Barfok Lingdong 0 9 38 Hee-Gyathang Hee- Gyathang 0 9 40 Hee-Gyathang Gron- Gron- 0 18 41 Lingthem Salim Pakel 0 18 42 Lingthem Gor 0 27 44 Lingthem 0 18 18 43 Lum-Gor-Sangtok Gor 0 27 44 Sakyong Pentong Lingzah- Tolung 0 18 45 Tingbong Tingbong 0 9 46 Sakyong- Pentong 0 9 9 47 Tingbong Tingbong 0 36 37 Turbidity (Acceptable Range- 1 to 5 NTU) Sakyong- Pentong 0 36 38 NA NA NA			Tung Naga			
34 Namgor Namgor 36 Passingdang Barfok Lingdong Lingdong 0 9 37 Barfok 0 9 9 0 9 37 Barfok 0 9 9 0 9 38 Hee-Gyathang Hee-Gyathang 0 9 39 Gron- 0 18 40 Lingthem Salim Pakel 0 18 41 Lingdem Lingthem 0 36 42 Lum-Gor-Sangtok Gor 0 18 43 Lum-Gor-Sangtok Gor 0 18 44 Sakyong Pentong Lugzah- 0 18 46 Tingbong Tingbong 0 36 37 Turbidity (Acceptable Range-1 to 5 NTU) Sakyong- 0 9 5. No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range NA NA NA NA NA NA S. No. Block Name Panchayat Name Villa	33			Meyong	0	18
35 Toong 0 18 36 Passingdang Barfok Lingdong Lingdong 0 9 37 Barfok 0 9 38 Hee-Gyathang Hee- Gyathang 0 18 39 Samdong 0 18 40 Lingthem Salim Pakel 0 18 41 Lingdem 0 18 43 Lingdem 0 18 43 Lingdem 0 18 44 Lingdem 0 18 43 Lum-Gor-Sangtok Gor 0 27 44 Lum 0 18 45 Lum 0 18 46 Sakyong Pentong Lingzah- Tolung 0 9 47 Fingbong Tingbong 0 36 3. Turbidity (Acceptable Range- 1 to 5 NTU) Sakyong- Pentong 0 9 3. Sakyong Pentong Villages HHs outside the acceptable/permissible range NA NA NA NA NA 4. Total hardness (Acceptable Range- 200 to 600 Milligram/litre) Social Mare S. Block Name Panchayat Name Villages <td< td=""><td></td><td></td><td></td><td>Naga-</td><td>0</td><td>36</td></td<>				Naga-	0	36
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	7. An S.No.	Block Name	Panchayat Name			sible range
S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range	7. An S.No. NA	Block Name	Panchayat Name	NA		sible range
	7. An S.No. NA 8. Iro	Block Name NA n (Acceptable	Panchayat Name NA Range- 1 Milligram/	NA litre)	NA	

Table N		lity parameters diss	atisfied at vill	ade level
NA	NA	NA	NA	NA
		e Range- 1 Milligran		
S.No.	Block Name	Panchayat Name	Villages	HHs outside the acceptable/permissible range
NA	NA	NA	NA	NA
		able Range- 200 to		
S.No.		Panchayat Name		HHs outside the acceptable/permissible range
	Block Name		Villages	
NA		NA	NA	NA
		olids (Acceptable R		
S.No.	Block Name	Panchayat Name	Villages	HHs outside the acceptable/permissible range
	Passingdang	Lingthem	Lingthem	1
1		Lingdem		
				Hydrogen Sulphide producing organisms (H2S))
S.No.	Block Name	Panchayat Name	Villages	HHs outside the acceptable/permissible range
1	Chungthang	Lachen	Lachen	5
2		Lachung	Lachung	1
3	Kabi	Kabi Rongpa	Kabi	7
4		Lingchom Tingda	Tingda	5
5		Lingdok	Lingdok	28
6		Namphong	Nampong	13
7		Men Rongong	Phamtam	1
8		5 5	Chawang	5
9		Navey Shotak	Navey	2
10			Penlong	2
11		Phensong	Labi	5
12		Rongong	Tumlong	21
13		Tumlong	Rongong	4
15	Mangan	Mangshila Tibuk	Upper	15
14	Ivialiyali	Mangshila Tibuk	Mangshila	15
			Lower	7
15			Mangshila	1
15		Namal Swavam	Namok	1
16		Namok Sweyam		1
17		Ringhim	Nampatam	2
18		Nampatam	Ringhim	4
19		Singhik	Pakshep	4
20			Kazor	5
			Singhik	21
21		T	Sentam	
22		Tingchim Chadey	Tingchim	1
23			Zimchung	2
24		Tung Naga	Singchit	20
25			Meyong	14
			Naga-	1
26			Namgor	
27			Toong	1
T	Passingdang	Hee-Gyathang	Hee-	1
28		-	Gyathang	
			Gnon-	1
29			Samdong	
30		Lingthem	Salim Pakel	2
31		Lingdem	Lingthem	1
32		-	Lingdem	2
33		Lum-Gor-Sangtok	Gor	1
34			Sangtok	3
35			Lum	13
		Sakyong Pentong	Sakyong-	5
36		Suryong Fontong	Pentong	5
37		Tingbong	Tingbong	5
	uoride (Accort	able Range- 1 to 1.5	Milligram /lite	
S.No.	Block Name	Panchayat Name	Villages	HHs outside the acceptable/permissible range
NA	NA	NA	NA	NA
14. Ars	senic (in hotsp			
	senic (in hotsp Block Name NA	Panchayat Name	Villages NA	HHs outside the acceptable/permissible range



Functionality Assessment of Household Tap Connections under JJM

