

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



District Report: Sepahijala, Tripura Survey Duration: March to April 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
- 2. **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		l lm:4	A coontable I imit	Permissible Limit in
		Unit	Acceptable Limit	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
V.	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
X.	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.	xv. Bacteriological test for Total coliform		Shall not be detectable in any 100 ml sample	
	bacteria and E. coli or thermotolerant			
	coliform bacteria			

- 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	Tripura	Sepahijala
Functionality status of FHTC at households		
Households (HHs) which received water through FHTC at least once in last 7 days (%)	100	100
Fully functional (%)	41	23
Partially functional (%)	57	76
Non-functional (%)	2	1
Quantity of water received by households		
Adequate quantity (>55 LPCD) (%)	96	99
Partially adequate quantity (> 40 LPCD - < 55 LPCD) (%)	3	1
Inadequate quantity (<40 LPCD) (%)	1	0
Regularity of water received by households		
Fully Regular Supply (as per schedule) (%)	94	97
Partially Regular Supply (not as per schedule) (%)	4	3
Irregular Supply (less than 9 months' supply) (%)	2	1
Potable (Quality) water received by households		
Potable (%)	44	23
Non-potable (%)	56	77
Residual Chlorine (RCL) detected with in permissible limits (%)	41	52

Household level indicators		
Households receiving water supply daily-7 days a week (%)	99	100
Daily HH requirement of water being met by FHTC (%)	76	78
Households reported FHTC as a primary source of drinking water (%)	62	29
Households purifying water before drinking (%)	84	77
Households paying water service delivery charges (%)	3	1
Households having coping mechanisms during scarcity (%)	48	28
Households aware of grievance redressal mechanism for reporting problems with FHTC (%)	89	97
Households reported incidence of water-borne diseases in the last year (%)	1	0
Households reported a reduction in time and effort in collecting water (%)	78	41
Overall user satisfaction at the household level		
Regularity (%)	83	69
Overall quality (%)	62	33

Indicators	Tripura	Sepahijala
Village level indicators (based on village questionnaire)		
Schemes reported to be functional (%)	56	42
Villages with groundwater resource (%)	26	20
Villages having groundwater recharge structure ¹ (%)	2	3
Water supply and storage status in villages		
Average no. of times water is supplied in a day	1	1
Villages having OHT/ Sump for storage of water (%)	9	3
Water quality monitoring and surveillance in the villages		
Villages with Field Test Kits (%)	2	0
Villages in which bacteriological test was done in last 1 year by VWSC/ Pani Samiti (%)	5	0
Villages reported to have a mechanism for chlorination (%)	3	6
VWSC/Pani Samiti and PWS signage in villages		
Village reported having presence of VWSC/ Pani Samiti (%)	12	17
Villages in which VWSC/ Pani Samiti is responsible for Operation & Maintenance of PWS schemes (%)	1	0
Villages in which persons are trained to use Field Test Kits (%)	5	3
Villages in which signages about JJM were observed (%)	7	9
Operation and maintenance at village		
Villages levying water service delivery to households (%)	2	0
Convergence of JJM activities with other schemes in the villages (%)	3	0
Villages having skilled manpower for Operation & Maintenance of PWS schemes (%)	6	0
Community monitoring of water wastage in villages (%)	4	3

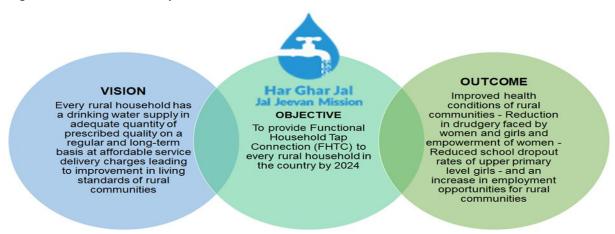
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 $^{^{\}rm 1}$ Out of villages who reported to have groundwater source (Nv=7)

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, GoI carried out a sample survey to assess the functionality of household tap connections. As part of this endeavour, NJJM, GoI 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: Sepahijala

District Sepahijala of Tripura has a population of 5,43,928. The district has 7 blocks. Out of 169 villages in the district, 24 are SC dominated and 60 are ST dominated villages. The district lies in Eastern Himalayan Region and receives an annual rainfall of About 2000mm.

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

Figure 1: District IMIS Status & Map

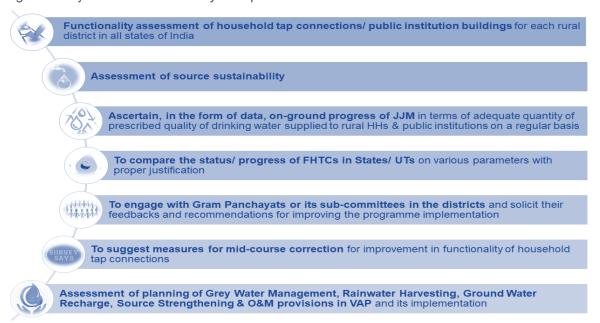
IMIS status:

- 6 (4% of all) villages are Har Ghar Jal
- 163 (96% of all) villages are Non-Har ghar Jal
- SC/ST dominated district
- Non JE/AES
- Yes- History of water contamination
- 153 (91% of all) villages with PWS more than 20 FHTC



2.2. FHTC Assessment Objectives

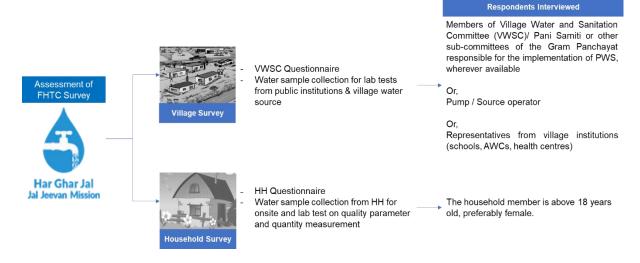
Figure 3: Objectives of Functionality of Tap Connections



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.

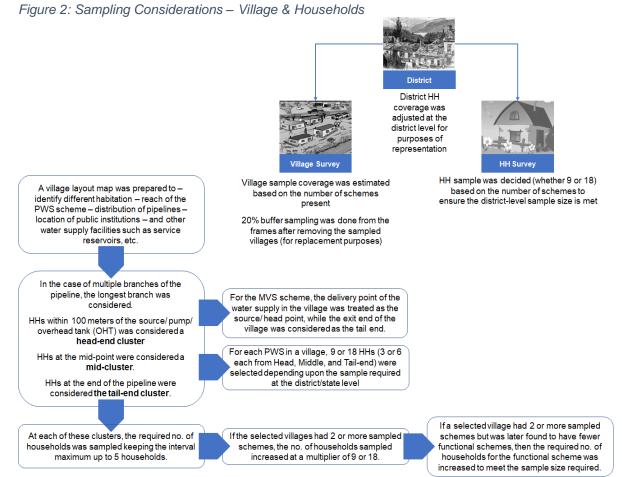
2.5. Sampling Methodology

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



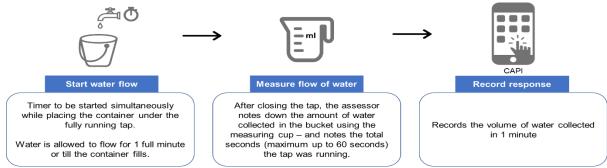
The key considerations for the village and household sampling were:



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:

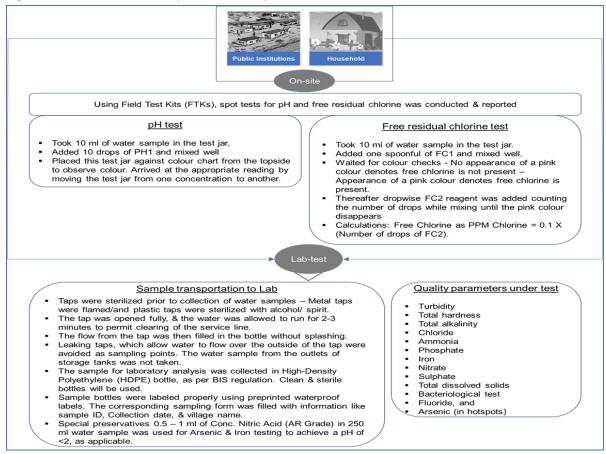
- Assessor first asked and recorded length, breadth, and height.
- Assessor dipped a 5 feet long rod, marked the level of the water table, and calculated the volume – length x breadth x-height of water.
- Next the assessor opened the valve of the connection and allowed the water to flow inside the storage 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.

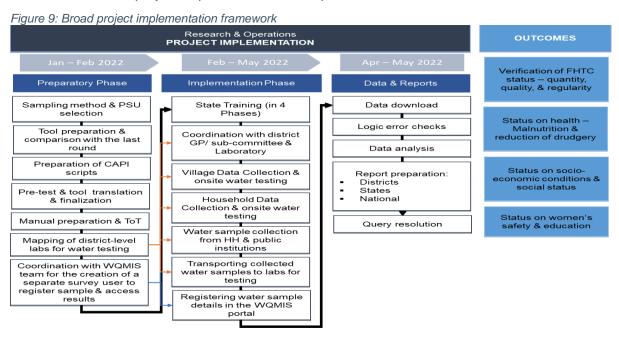
Figure 8: On-site & Laboratory Based Quality Test



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:



A total of 6 teams (comprising 6 supervisors, 36 assessors, and 6 water collection assistants) were recruited, trained, and deployed to complete the survey across the state of Tripura. 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
Tripura		6 Teams	3/1/2022	4/2/2022	32 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				
	Targete	d sample		Achieved sam	ple
District	Village	НН	Village	НН	Public Institutions
Sepahijala	35	918	35	917	11
Tripura	283	7,128	283	7,138	140

2.10. Sampled village and household profile

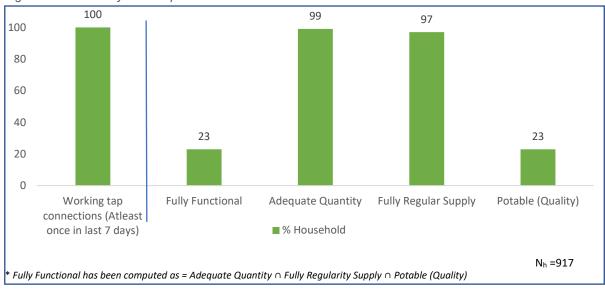
SAMPLED VILLAGES SAMPLED HOUSEHOLDS Total no. of villages covered in the district - 35 Total no. of households covered in the district Percentage of SC dominated villages covered in the district is 14% (which is slightly lower Proportion of General - 28%, SC 21%, ST% than the state average, i.e., 15%) 25, OBC 26% households Percentage of ST dominated villages covered 35% of the FHTC connections are under the in the district is 37% (which is lower than the name of a female member state average, i.e., 48%) Average household size - 4 Higher proportion of **pump operator** >75% positive user experience in 0/5 interviewed at the village level measures **Yes** 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 %)

Figure 3: Functionality of HH tap connection



It has been found that 100 percent of the sampled HHs (N=917) had working tap connections (i.e., received water at least once in last 7 days). Less than 1 out of four (23 percent) HHs had fully functional tap connection (i.e., HHs receiving adequate quantity of prescribed quality of water on a regular basis).

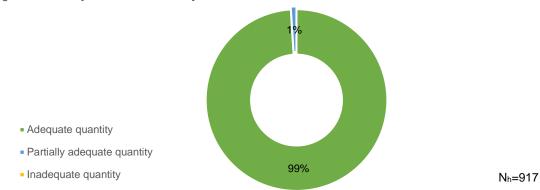
3.2. Quantity, Regularity, and Quality of Water

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)

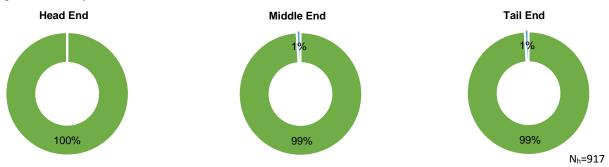
99% HHs reported receiving adequate quantity of water

Figure 4: Quantity of water received by households



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

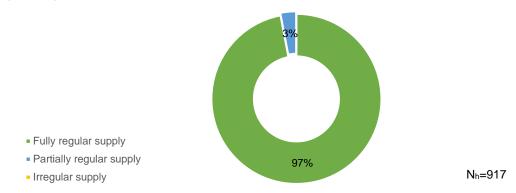
Figure 5: Quantity of water received across head, middle and tail end households



B. Regularity of water supply to households

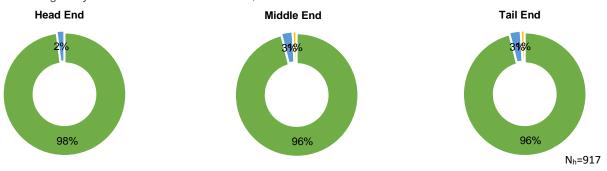
97% HHs receive a regular supply of water (as per agreed schedule)

Figure: Regularity of water received by households



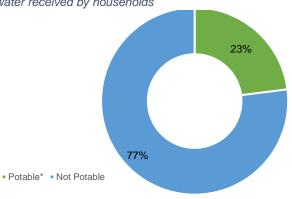
Regularity of water received across head, middle, and tail end

Figure 6: Regularity of water received across head, middle and tail end households



C. Water quality - Potability

Figure 7: Potable water received by households



 $N_h = 917$

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

	Water Samples Tested from Public Institutes				
Quality Parameters (NV=35)	Anganwadi Centre	Health Facility	Schools	Others	
pH (on-site)	50	100	0	0	
Turbidity	0	100	100		
Total Hardness	100	100	100		
Total Alkalinity	100	100	100		
Chloride	Not tested				
Ammonia	Not tested				
Iron	100	0	100		
Nitrate	Not tested				
Sulphate	Not tested				
Total Dissolved Solids	100	100	100		
Bacteriological Test	100	100	100		
Fluoride	No history				
Arsenic	No history				

^{*}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. 4: Household water quality parameters reported within permissible range

(in % sample within permissible range)

Quality Parameters	No of samples tested	% Households	
pH (on-site)	917	46	
Turbidity	887	94	
Total Hardness	886	100	
Total Alkalinity	886	100	
Chloride	Not tested		
Ammonia	Not tested		
Iron	886	47	
Nitrate	Not tested		
Sulphate	Not tested		
Total Dissolved Solids	886	100	
Bacteriological Test (Presence/Absence)	885	100	
Fluoride	No hist	ory	
Arsenic	No hist	ory	

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

The Residual Chlorine (RC) in the Sepahijala district was found in 52% samples. The remaining 48% of the samples had residual chlorine outside range. It may be mentioned that 100% of water samples passed the bacteriological contamination test but to assure the protection against bacteriological contamination, addition of RC is must in PWS system.

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.

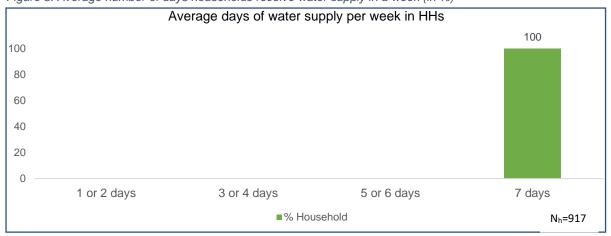
Comment on functioning of District Lab:

The district lab tested water samples for 6 water quality parameters. 928 water samples were submitted, and 890 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 samples during weekends and public holidays.

3.3. Average water supply days in a week

Figure 8: Average number of days households receive water supply in a week (in %)

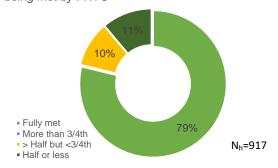


3.4. Household utilization of water for drinking and other activities

Fulfilment of requirement

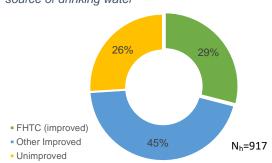
78% HHs reported that their daily requirement of water is being met by FHTCs

Figure 17: Daily household's requirement of water being met by FHTC

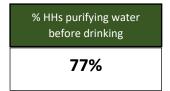


Primary source of drinking water 29% HHs reported HH tap connection as their primary source of drinking water

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



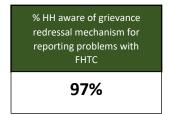
3.5. Status at HH level (Nh=917)



% HHs paying water service delivery charges

% HHs with booster pumps

% HHs having coping mechanism during scarcity



Channel for registering grievance (N_h=917*) Pump-operator

Key problems for reporting grievances (N=917)
Inadequate duration/Irregular supply

% Reported complaints resolved (N_h=11)

^{*}HHs who reported complaints in last 1 year

3.6. Source sustainability at the village level

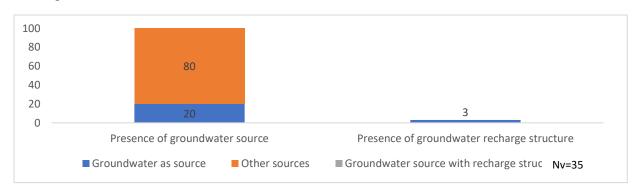
Schemes based on surface and ground water

None of the schemes are based either on surface water sources or on groundwater sources.

Villages reported having presence of a groundwater source

20% of villages reported the presence of groundwater sources like improved dug wells and borewells, and 3% were supported by recharging structures.

Figure 20: Villages reported the presence of groundwater sources and among those how many reported to have a recharge structure



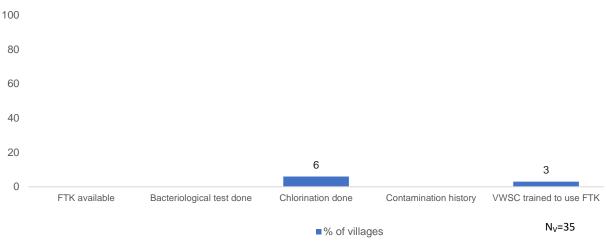
The top 3 other source sustainability measure taken by villages

Figure 21: Villages reported having taken other source sustainability measure



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 (N_v=35)

Presence of VWSC/Pani Samiti	VWSC/Pani Samiti responsible for O&M of PWS Schemes	% Villages – VWSC/PO trained to use FTKs	% Villages in which signages about JJM was observed	
17%	0%	3%		

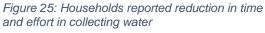
B. Water supply, storage and operation & maintenance at village level (N_v=35)

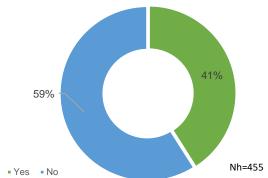
Average no. of supply in a day	% Villages levying water service delivery to HH	% Villages having skilled manpower for O&M for	Community monitoring of water wastage in villages	
1	0%	0%		
% Villages having OHT/ Sump	% Villages having faced O&M challenges	Primary points for reporting grievances	Key problems for reporting grievances	
3%	0%	Block functionary	Pipeline leakage	

3.9. Perception of HHs on Outcome Indicators

b. Economic Income a. Health Incidence of water borne diseases at HH level Change in employment days since FHTC programmes/schemes in last one year as reported Figure 24: Household reported a change in Figure 23: Household reported incidence of water employment days since FHTC programmes /schemes borne diseases in last one year 100 80 60 40 20 0 Increase Waterborne Water related None 86% No change diseases ■ % of HH diseases Nh=917 N_h=917 Don't know

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 =917) In %					
1	Regularity	Regularity				
2	Overall quality	33				
3	Colour		34			
4	Taste	38				
5	Odour	000	39			

Note:

Base (N_v)=35 means all villages sampled and covered in Sepahijala district

Base (N_H)=917 means all households sampled and covered across the 35 villages in Sepahijala district

Base (N_H) =917 means all households where female members used to fetch water before HH tap connection

4. Annexures

4.1. Summary of villages

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
1	Total	918	952	35	64	27
2	Madhya Para	27	28	1	2	
3	North Ghaniamura	27	28	1		
4	Barekmiah Para	27	28	1	5	
5	North Jangalia Part	27	28	1	2	
6	Ward No.1	27	28	1	5	5
7	Ward No.1	27	28	1	5	
8	Adibashi Coloney	27	28	1	1	
9	Purba Karaimura	27	28	1	1	
10	Jharjhari	18	19	1		
11	Radha Manik Para	27	28	1		5
12	Deb Charan Bairagi Para	27	28	1	5	
13	Takarjala Bazar	27	28	1	5	5
14	Kanuram Para	27	28	1	5	
15	Mahim Chowdhury Para	27	28	1	2	
16	S.C.Coloney	27	28	1	1	
17	Npurba Para	27	28	1		5
18	Uttar Para	18	19	1	5	
19	Barpathar Para	27	29	1	1	
20	Premtari Kamal Cho Para Bazar West	27	28	1		
21	Napar Para	27	28	1	1	
22	Batadola	27	28	1	1	
23	Putia	27	28	1	-	
24	Dhanpur Purba Para	27	28	1	1	
25	K.K. Nagar W. Para	27	28	1	-	
26	Lal Tilla	27	28	1	3	1
27	Jaminitilla Para	27	28	1		
28	Barmura (Uttar Paharpur)	27	28	1	3	
29	Kalikhala	18	19	1		
30	Kshilangrai Para	27	26	1		
31	Munnan Tilla Barigi Tilla	27	28	1		
32	Badhyar Dighi	27	28	1	2	4
33	Nepal Sarkar Para	27	28	1	1	<u> </u>
34	South Sarkar Para North	27	28	1	5	
35	Bagber Dakshin Para	27	28	1	1	
36	Uttarmura	27	28	1	1	2



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

rabie	No. 7: Functiona	lity of HH tap co	nnection	Fully		I
S. No.	Village	Fully Functional* (% HH)	Adequate Quantity (% HH)	Regular Supply (% HH)	Potable (Quality) (% HH)	Working tap connections (%HH)
1	Total	22.9	99.3	96.6	23.2	100.0
2	Madhya Para	0.0	100.0	100.0	0.0	100.0
3	North Ghaniamura	18.5	96.3	74.1	22.2	100.0
4	Barekmiah Para	0.0	100.0	100.0	0.0	100.0
5	North Jangalia Part	0.0	100.0	74.1	0.0	100.0
6	Ward No.1	0.0	100.0	100.0	0.0	100.0
7	Ward No.1	0.0	100.0	100.0	0.0	100.0
8	Adibashi Coloney	0.0	92.6	88.9	0.0	100.0
9	Purba Karaimura	0.0	100.0	100.0	0.0	100.0
10	Jharjhari	0.0	100.0	100.0	0.0	100.0
11	Radha Manik Para	0.0	100.0	100.0	0.0	100.0
12	Deb Charan Bairagi Para	0.0	100.0	100.0	0.0	100.0
13	Takarjala Bazar	0.0	100.0	100.0	0.0	100.0
14	Kanuram Para	0.0	100.0	100.0	0.0	100.0
15	Mahim Chowdhury Para	100.0	100.0	100.0	100.0	100.0
16	S.C.Coloney	92.6	92.6	100.0	100.0	100.0
17	Npurba Para	70.4	100.0	100.0	70.4	100.0
18	Uttar Para	100.0	100.0	100.0	100.0	100.0
19	Barpathar Para	50.0	100.0	100.0	50.0	100.0
20	Premtari Kamal Cho Para Bazar West	0.0	100.0	100.0	0.0	100.0
21	Napar Para	0.0	100.0	100.0	0.0	100.0
22	Batadola	92.6	100.0	100.0	92.6	100.0
23	Putia	0.0	96.3	100.0	0.0	100.0
24	Dhanpur Purba Para	100.0	100.0	100.0	100.0	100.0
25	K.K. Nagar W. Para	77.8	100.0	100.0	77.8	100.0
26	Lal Tilla	3.7	100.0	100.0	3.7	100.0
27	Jaminitilla Para	92.6	100.0	100.0	92.6	100.0
28	Barmura (Uttar Paharpur)	0.0	100.0	100.0	0.0	100.0
29	Kalikhala	11.1	100.0	100.0	11.1	100.0
30	Kshilangrai Para	4.0	100.0	100.0	4.0	100.0
31	Munnan Tilla Barigi Tilla	0.0	100.0	100.0	0.0	100.0
32	Badhyar Dighi	0.0	100.0	100.0	0.0	100.0
33	Nepal Sarkar Para	0.0	100.0	51.9	0.0	100.0
34	South Sarkar Para North	0.0	100.0	100.0	0.0	100.0
35	Bagber Dakshin Para	0.0	100.0	100.0	0.0	100.0
36	Uttarmura	0.0	100.0	96.3	0.0	100.0

^{*} Fully Functional has been computed as = Adequate Quantity \cap Fully Regularity Supply \cap Potable (Quality)

4.3. Villages not meeting the quality parameters

Table I			satisfied at village level		
1. pH		Range- 6.5 to 8.5)			
S.No.	Block Name	Panchayat Name	Villages	No. of HHs outside the a range	cceptable
1	Bishalgarh	Badhyar Dighi	Badhyar Dighi		27
2		Ghaniamara	North Ghaniamura		21
3		Kaiyadepha	Barekmiah Para		8
4		Lembutali	Nepal Sarkar Para		15
5		Madhya Laxmibill	South Sarkar Para		26
		,	North		
6		Routhkhala	North Jangalia Part		19
7	Boxanagar	Kalashimura	Napar Para		27
8	_ = = = = = = = = = = = = = = = = = = =	Kamalnagar	Batadola		2
9		Putia	Putia		27
10	Charilam	Amtali	Purba Karaimura		27
11	Onaman	Aralia	Uttarmura		27
12		Brajapur	Madhya Para		8
13		Chelikhala	Jharjhari		18
14		Padmanagar	Adibashi Coloney		18
15			Ward No.1		11
	Jampuijala	Uttar Brajapur Chikancherra			
16	Jampuljala		Ward No.1		12
17		Hirapur	Radha Manik Para		21
18		Kendraicherra	Deb Charan Bairagi Para		18
19		Paschim Takarjala	Takarjala Bazar		4
20		Purba Takarjala	Kanuram Para		9
21	Kathalia	Kaichakhola	Munnan Tilla Barigi Tilla		27
22		Kalikhola	Kalikhala		16
23		Kalikrishna Nagar	K.K. Nagar W. Para		6
24		Nidaya	Lal Tilla		26
25		Nirvoypur	Jaminitilla Para		2
26		Thalibari	Kshilangrai Para		8
27		Uttar Paharpur	Barmura (Uttar Paharpur)		27
28	Mohanbhog	Urami	Barpathar Para		14
29		Uttar Taibandal	Premtari Kamal Cho Para Bazar West		17
30	Nalchar	Khas Chowmuhani	Npurba Para		8
2. Fre	ee residual ch		Range- 0.2 to 1 PPM)	1	
S.No.	Block Name	Panchayat Name	Villages	HHs outside the acceptable/permissible range	HHs with no chlorine
1	Bishalgarh	Badhyar Dighi	Badhyar Dighi	7	0
2		Ghaniamara	North Ghaniamura	8	0
3		Kaiyadepha	Barekmiah Para	9	0
4		Lembutali	Nepal Sarkar Para	11	0
		Madhya Laxmibill	South Sarkar Para	17	0
5		Davidal-11-	North	10	
6	Deve	Routhkhala	North Jangalia Part	13	0
7	Boxanagar	Bagber	Bagber Dakshin Para	11	0
8		Kalashimura	Napar Para	19	0
9		Kamalnagar	Batadola	10	0
10		Putia	Putia	24	0
11	Charilam	Amtali	Purba Karaimura	13	0
12		Aralia	Uttarmura	14	0
13		Brajapur	Madhya Para	11	0
14		Chelikhala	Jharjhari	15	0
15		Padmanagar	Adibashi Coloney	11	0
16		Uttar Brajapur	Ward No.1	21	0



Table I	No 8: Ou	ality narameters dis	satisfied at village level		
17	Jampuijala	Chikancherra	Ward No.1	1	0
18	Jampaijaia	Hirapur	Radha Manik Para	10	0
10	-	Kendraicherra	Deb Charan Bairagi	6	0
19		Rendratorierra	Para		O
		Paschim	Takarjala Bazar	9	0
20		Takarjala	· analysis = s=s:		· ·
21		Purba Takarjala	Kanuram Para	11	0
	1	Ujan Ghaniamara	Mahim Chowdhury	14	0
22		,	Para		
23	Kathalia	Bejimara	S.C.Coloney	18	0
24		Dhanpur	Dhanpur Purba Para	4	0
		Kaichakhola	Munnan Tilla Barigi	19	0
25			Tilla		
26		Kalikhola	Kalikhala	9	0
27		Kalikrishna Nagar	K.K. Nagar W. Para	15	0
28		Nidaya	Lal Tilla	17	0
29		Nirvoypur	Jaminitilla Para	15	0
30		Thalibari	Kshilangrai Para	13	0
		Uttar Paharpur	Barmura (Uttar	23	0
31			Paharpur)		
32	Mohanbhog	Urami	Barpathar Para	9	0
		Uttar Taibandal	Premtari Kamal Cho	14	0
33		1.0	Para Bazar West		
0.4	Nalchar	Khas	Npurba Para	9	0
34	-	Chowmuhani	Liu B		
35		Rangamati	Uttar Para	9	0
3. Tu		table Range- 1 to 5	NIU)		
S.No.	Block Name	Panchayat Name	Villages	HHs outside the acceptable/permissible	
	Bishalgarh	Madhya Laxmibill	South Sarkar Para		27
1		1 1	North		
			NOTUT		
2	Charilam	Amtali	Purba Karaimura		27
2					27
2 4. To	tal hardness (Acceptable Range-	Purba Karaimura 200 to 600 Milligram/litr	HHs outside the	
2 4. To S.No.	tal hardness (Block Name	Acceptable Range- Panchayat Name	Purba Karaimura 200 to 600 Milligram/litr Villages	HHs outside the acceptable/permissible ran	
2 4. To S.No.	tal hardness (Block Name NA	Acceptable Range- Panchayat Name	Purba Karaimura 200 to 600 Milligram/litr Villages NA	HHs outside the acceptable/permissible ran	
2 4. To S.No.	tal hardness (Block Name NA tal alkalinity (Acceptable Range- Panchayat Name	Purba Karaimura 200 to 600 Milligram/litr Villages	HHs outside the acceptable/permissible ran NA e)	
2 4. To S.No.	tal hardness (Block Name NA tal alkalinity (Block	Acceptable Range- Panchayat Name NA Acceptable Range-	Purba Karaimura 200 to 600 Milligram/litr Villages NA 200 to 600 Milligram/litr	HHs outside the acceptable/permissible ran NA e) HHs outside the	ge
2 4. To S.No. NA 5. To S.No.	tal hardness (Block Name NA tal alkalinity (Block Name	Acceptable Range- Panchayat Name NA Acceptable Range- Panchayat Name	Purba Karaimura 200 to 600 Milligram/litr Villages NA 200 to 600 Milligram/litre Villages	HHs outside the acceptable/permissible ran NA e) HHs outside the acceptable/permissible ran	ge
2 4. To S.No. NA 5. To S.No.	btal hardness (Block Name NA otal alkalinity (Block Name NA	Acceptable Range- Panchayat Name NA Acceptable Range- Panchayat Name NA	Purba Karaimura 200 to 600 Milligram/litr Villages NA 200 to 600 Milligram/litr Villages NA	HHs outside the acceptable/permissible ran NA e) HHs outside the	ge
2 4. To S.No. NA 5. To S.No.	tal hardness (Block Name NA tal alkalinity (Block Name NA Indicate (Acception	Acceptable Range- Panchayat Name NA Acceptable Range- Panchayat Name NA	Purba Karaimura 200 to 600 Milligram/litr Villages NA 200 to 600 Milligram/litre Villages	HHs outside the acceptable/permissible ran NA e) HHs outside the acceptable/permissible ran NA	ge
2 4. To S.No. NA 5. To S.No.	btal hardness (Block Name NA btal alkalinity (Block Name NA hloride (Accep	Panchayat Name NA Acceptable Range- Panchayat Name NA NA NA table Range- 250 to	Purba Karaimura 200 to 600 Milligram/litr Villages NA 200 to 600 Milligram/litr Villages NA 1000 Milligram/litre)	HHs outside the acceptable/permissible ran NA e) HHs outside the acceptable/permissible ran NA HHs outside the	ige ige
2 4. To S.No. NA 5. To S.No. NA 6. Cr S.No.	tal hardness (Block Name NA tal alkalinity (Block Name NA loride (Accep Block Name	Acceptable Range- Panchayat Name NA Acceptable Range- Panchayat Name NA table Range- 250 to Panchayat Name	Purba Karaimura 200 to 600 Milligram/litr Villages NA 200 to 600 Milligram/litre Villages NA 1000 Milligram/litre) Villages	HHs outside the acceptable/permissible ran NA e) HHs outside the acceptable/permissible ran NA HHs outside the acceptable/permissible ran	ige ige
2 4. To S.No. NA 5. To S.No. NA 6. Cr S.No.	btal hardness (Block Name NA btal alkalinity (Block Name NA loride (Accep Block Name NA	Acceptable Range- Panchayat Name NA Acceptable Range- Panchayat Name NA table Range- 250 to Panchayat Name	Purba Karaimura 200 to 600 Milligram/litr Villages NA 200 to 600 Milligram/litro Villages NA 1000 Milligram/litre) Villages NA	HHs outside the acceptable/permissible ran NA e) HHs outside the acceptable/permissible ran NA HHs outside the	ige ige
2 4. To S.No. NA 5. To S.No. NA 6. Ch S.No. NA 7. An	tal hardness (Block Name NA tal alkalinity (Block Name NA nloride (Accep Block Name NA name NA	Acceptable Range- Panchayat Name NA Acceptable Range- Panchayat Name NA table Range- 250 to Panchayat Name	Purba Karaimura 200 to 600 Milligram/litr Villages NA 200 to 600 Milligram/litro Villages NA 1000 Milligram/litre) Villages NA	HHs outside the acceptable/permissible ran NA e) HHs outside the acceptable/permissible ran NA HHs outside the acceptable/permissible ran NA	ige ige
2 4. To S.No. NA 5. To S.No. NA 6. Cr S.No.	tal hardness (Block Name NA tal alkalinity (Block Name NA nloride (Accep Block Name NA mmonia (Acce	Acceptable Range- Panchayat Name NA Acceptable Range- Panchayat Name NA table Range- 250 to Panchayat Name	Purba Karaimura 200 to 600 Milligram/litr Villages NA 200 to 600 Milligram/litro Villages NA 1000 Milligram/litre) Villages NA	HHs outside the acceptable/permissible ran NA e) HHs outside the acceptable/permissible ran NA HHs outside the acceptable/permissible ran NA HHs outside the acceptable/permissible ran NA	ige ige
2 4. To S.No. NA 5. To S.No. NA 6. Cr S.No. NA 7. An S.No.	tal hardness (Block Name NA tal alkalinity (Block Name NA nloride (Accep Block Name NA mmonia (Acce Block Name	Acceptable Range- Panchayat Name NA Acceptable Range- Panchayat Name NA table Range- 250 to Panchayat Name NA ptable Range- 0.5 M Panchayat Name	Purba Karaimura 200 to 600 Milligram/litr Villages NA 200 to 600 Milligram/litro Villages NA 1000 Milligram/litre) Villages NA illigram/litre) Villages	HHs outside the acceptable/permissible ran NA e) HHs outside the acceptable/permissible ran NA HHs outside the acceptable/permissible ran NA HHs outside the acceptable/permissible ran NA	ige ige
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2 4. To S.No. NA 5. To S.No. NA 6. Ch S.No. NA 7. An S.No. NA 8. Iro S.No.	tal hardness (Block Name NA tal alkalinity (Block Name NA hloride (Accep Block Name NA mmonia (Acce Block Name NA monia (Acce Block Name NA on (Acceptable Block Name	Panchayat Name NA Acceptable Range- Panchayat Name NA Panchayat Name NA table Range- 250 to Panchayat Name NA ptable Range- 0.5 M Panchayat Name NA Panchayat Name NA Panchayat Name Panchayat Name NA Panchayat Name Panchayat Name	Purba Karaimura 200 to 600 Milligram/litr Villages NA 200 to 600 Milligram/litre Villages NA 1000 Milligram/litre) Villages NA illigram/litre) Villages NA //litre) Villages	HHs outside the acceptable/permissible ran NA e) HHs outside the acceptable/permissible ran NA HHs outside the acceptable/permissible ran NA HHs outside the acceptable/permissible ran NA	ige ige ige
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2 4. To S.No. NA 5. To S.No. NA 6. Ch S.No. NA 7. An S.No. NA 8. Iro S.No.	tal hardness (Block Name NA tal alkalinity (Block Name NA hloride (Accep Block Name NA mmonia (Acce Block Name NA monia (Acce Block Name NA on (Acceptable Block Name	Panchayat Name NA Acceptable Range- Panchayat Name NA Panchayat Name NA table Range- 250 to Panchayat Name NA ptable Range- 0.5 M Panchayat Name NA Panchayat Name NA Range- 1 Milligram Panchayat Name Kaiyadepha Lembutali	Purba Karaimura 200 to 600 Milligram/litr Villages NA 200 to 600 Milligram/litro Villages NA 1000 Milligram/litre) Villages NA illigram/litre) Villages NA /litre) Villages NA /lages NA /lages NA /lages	HHs outside the acceptable/permissible ran NA e) HHs outside the acceptable/permissible ran NA	ige ige ige ige 27
2 4. To S.No. NA 5. To S.No. NA 6. Ch S.No. NA 7. An S.No. NA 8. Iro S.No. 1 2 3	tal hardness (Block Name NA tal alkalinity (Block Name NA nloride (Accep Block Name NA nmonia (Acce Block Name NA nmonia (Acce Block Name NA Dn (Acceptable Block Name Block Name Block Name NA Dn (Acceptable Block Name Block Name Block Name Block Name Block Name	Panchayat Name NA Acceptable Range- Panchayat Name NA Range- 250 to Panchayat Name NA Panchayat Name NA Panchayat Name NA Panchayat Name NA Range- 1 Milligram Panchayat Name Kaiyadepha Lembutali Routhkhala	Purba Karaimura 200 to 600 Milligram/litr Villages NA 200 to 600 Milligram/litro Villages NA 1000 Milligram/litre) Villages NA illigram/litre) Villages NA /litre) Villages Barekmiah Para Nepal Sarkar Para North Jangalia Part	HHs outside the acceptable/permissible ran NA e) HHs outside the acceptable/permissible ran NA	ige ige ige ige 27 27
2 4. To S.No. NA 5. To S.No. NA 6. Ch S.No. NA 7. An S.No. NA 8. Iro S.No. 1 2 3 4	tal hardness (Block Name NA tal alkalinity (Block Name NA nloride (Accep Block Name NA nmonia (Acce Block Name NA nmonia (Acce Block Name NA Dn (Acceptable Block Name	Panchayat Name NA Acceptable Range- Panchayat Name NA Range- 250 to Panchayat Name NA Panchayat Name NA Panchayat Name NA Panchayat Name NA Range- 1 Milligram Panchayat Name Kaiyadepha Lembutali Routhkhala Bagber	Purba Karaimura 200 to 600 Milligram/litr Villages NA 200 to 600 Milligram/litro Villages NA 1000 Milligram/litre) Villages NA illigram/litre) Villages NA /litre) Villages Barekmiah Para Nepal Sarkar Para North Jangalia Part Bagber Dakshin Para	HHs outside the acceptable/permissible ran NA e) HHs outside the acceptable/permissible ran NA	age age age 27 27 27
2 4. To S.No. NA 5. To S.No. NA 6. Ch S.No. NA 7. An S.No. NA 8. Iro S.No. 1 2 3 4 5	tal hardness (Block Name NA tal alkalinity (Block Name NA nloride (Accep Block Name NA nmonia (Acce Block Name NA nmonia (Acce Block Name NA Dn (Acceptable Block Name Block Name Block Name NA Dn (Acceptable Block Name Block Name Block Name Block Name Block Name	Panchayat Name NA Acceptable Range- Panchayat Name NA Range- 250 to Panchayat Name NA table Range- 250 to Panchayat Name NA ptable Range- 0.5 M Panchayat Name NA Range- 1 Milligram Panchayat Name Kaiyadepha Lembutali Routhkhala Bagber Amtali	Purba Karaimura 200 to 600 Milligram/litr Villages NA 200 to 600 Milligram/litro Villages NA 1000 Milligram/litre) Villages NA illigram/litre) Villages NA /litre) Villages Barekmiah Para Nepal Sarkar Para North Jangalia Part Bagber Dakshin Para Purba Karaimura	HHs outside the acceptable/permissible ran NA e) HHs outside the acceptable/permissible ran NA	age age age 27 27 27 27
2 4. To S.No. NA 5. To S.No. NA 6. Ch S.No. NA 7. An S.No. NA 8. Iro S.No. 1 2 3 4 5 6	tal hardness (Block Name NA tal alkalinity (Block Name NA nloride (Accep Block Name NA nmonia (Acce Block Name NA nmonia (Acce Block Name NA Dn (Acceptable Block Name	Panchayat Name NA Acceptable Range- Panchayat Name NA table Range- 250 to Panchayat Name NA ptable Range- 0.5 M Panchayat Name NA Panchayat Name NA Range- 1 Milligram Panchayat Name Kaiyadepha Lembutali Routhkhala Bagber Amtali Brajapur	Purba Karaimura 200 to 600 Milligram/litr Villages NA 200 to 600 Milligram/litro Villages NA 1000 Milligram/litre) Villages NA illigram/litre) Villages NA /litre) Villages Barekmiah Para Nepal Sarkar Para North Jangalia Part Bagber Dakshin Para Purba Karaimura Madhya Para	HHs outside the acceptable/permissible ran NA e) HHs outside the acceptable/permissible ran NA	age age age 27 27 27 27 27
2 4. To S.No. NA 5. To S.No. NA 6. Ch S.No. NA 7. An S.No. NA 8. Iro S.No. 1 2 3 4 5 6 7	tal hardness (Block Name NA tal alkalinity (Block Name NA nloride (Accep Block Name NA nmonia (Acce Block Name NA nmonia (Acce Block Name NA Dn (Acceptable Block Name	Panchayat Name NA Acceptable Range- Panchayat Name NA table Range- 250 to Panchayat Name NA table Range- 0.5 M Panchayat Name NA Panchayat Name NA Range- 1 Milligram Panchayat Name Kaiyadepha Lembutali Routhkhala Bagber Amtali Brajapur Chelikhala	Purba Karaimura 200 to 600 Milligram/litr Villages NA 200 to 600 Milligram/litro Villages NA 1000 Milligram/litre) Villages NA illigram/litre) Villages NA /litre) Villages Barekmiah Para Nepal Sarkar Para North Jangalia Part Bagber Dakshin Para Purba Karaimura Madhya Para Jharjhari	HHs outside the acceptable/permissible ran NA e) HHs outside the acceptable/permissible ran NA	age age age 27 27 27 27 27 18
2 4. To S.No. NA 5. To S.No. NA 6. Cr S.No. NA 7. An S.No. 1 2 3 4 5 6 7 8	tal hardness (Block Name NA tal alkalinity (Block Name NA nloride (Accep Block Name NA nmonia (Acce Block Name NA nmonia (Acce Block Name NA Dn (Acceptable Block Name	Panchayat Name NA Acceptable Range- Panchayat Name NA table Range- 250 to Panchayat Name NA table Range- 0.5 M Panchayat Name NA Panchayat Name NA Range- 1 Milligram Panchayat Name Kaiyadepha Lembutali Routhkhala Bagber Amtali Brajapur Chelikhala Padmanagar	Purba Karaimura 200 to 600 Milligram/litr Villages NA 200 to 600 Milligram/litro Villages NA 1000 Milligram/litre) Villages NA illigram/litre) Villages NA /litre) Villages NA /litre) Villages A /litre Purba Karaimura Purba Karaimura Madhya Para Jharjhari Adibashi Coloney	HHs outside the acceptable/permissible ran NA e) HHs outside the acceptable/permissible ran NA	age age age 27 27 27 27 27 27 27 27 27 27 27 27 27
2 4. To S.No. NA 5. To S.No. NA 6. Cr S.No. NA 7. An S.No. 1 2 3 4 5 6 7 8 9	tal hardness (Block Name NA tal alkalinity (Block Name NA nloride (Accep Block Name NA mmonia (Acce Block Name NA on (Acceptable Bishalgarh Boxanagar Charilam	Panchayat Name NA Acceptable Range- Panchayat Name NA table Range- 250 to Panchayat Name NA table Range- 0.5 M Panchayat Name NA Panchayat Name NA Panchayat Name NA Range- 1 Milligram Panchayat Name Kaiyadepha Lembutali Routhkhala Bagber Amtali Brajapur Chelikhala Padmanagar Uttar Brajapur	Purba Karaimura 200 to 600 Milligram/litr Villages NA 200 to 600 Milligram/litro Villages NA 1000 Milligram/litre) Villages NA illigram/litre) Villages NA /litre) Villages Barekmiah Para Nepal Sarkar Para North Jangalia Part Bagber Dakshin Para Purba Karaimura Madhya Para Jharjhari Adibashi Coloney Ward No.1	HHs outside the acceptable/permissible ran NA e) HHs outside the acceptable/permissible ran NA	age age age 27 27 27 27 27 18 27 27
2 4. To S.No. NA 5. To S.No. NA 6. Cr S.No. NA 7. An S.No. 1 2 3 4 5 6 7 8	tal hardness (Block Name NA tal alkalinity (Block Name NA nloride (Accep Block Name NA nmonia (Acce Block Name NA nmonia (Acce Block Name NA Dn (Acceptable Block Name	Panchayat Name NA Acceptable Range- Panchayat Name NA table Range- 250 to Panchayat Name NA table Range- 0.5 M Panchayat Name NA Panchayat Name NA Range- 1 Milligram Panchayat Name Kaiyadepha Lembutali Routhkhala Bagber Amtali Brajapur Chelikhala Padmanagar	Purba Karaimura 200 to 600 Milligram/litr Villages NA 200 to 600 Milligram/litro Villages NA 1000 Milligram/litre) Villages NA illigram/litre) Villages NA /litre) Villages NA /litre) Villages A /litre Purba Karaimura Purba Karaimura Madhya Para Jharjhari Adibashi Coloney	HHs outside the acceptable/permissible ran NA e) HHs outside the acceptable/permissible ran NA	age age age 27 27 27 27 27 27 27 27 27 27 27 27 27



Table I	No. 8: Qua		satisfied at village level		
		Kendraicherra	Deb Charan Bairagi		27
12			Para		
		Paschim	Takarjala Bazar		27
13		Takarjala			
14		Purba Takarjala	Kanuram Para		27
	Kathalia	Kaichakhola	Munnan Tilla Barigi		26
15			Tilla		
16		Thalibari	Kshilangrai Para		24
		Uttar Paharpur	Barmura (Uttar		27
17			Paharpur)		
	Mohanbhog	Uttar Taibandal	Premtari Kamal Cho		27
18			Para Bazar West		
9. Nitr		le Range- 1 Milligra	m/litre)	,	
S.No.	Block	Panchayat Name	Villages	HHs outside the	
	Name	-		acceptable/permissible range	
NA	NA	NA	NA	NA NA	
10. Su		table Range- 200 to	400 Milligram/litre)	,	
S.No.	Block	Panchayat Name	Villages	HHs outside the	
	Name	-		acceptable/permissible range	
NA	NA	NA	NA	NA	
11. To	tal dissolved	solids (Acceptable I	Range- 500 to 2000 Milli	gram/litre)	
S.No.	Block	Panchayat Name	Villages	HHs outside the	
	Name	-		acceptable/permissible range	
NA	NA	NA	NA	NA	
12. Ba		est (Presence)		T	
S.No.	Block	Panchayat Name	Villages	HHs outside the	
	Name	-		acceptable/permissible range	
NA	NA	NA	NA	NA	
13. Flu		table Range- 1 to 1.	Milligram /litre)		
S.No.	Block	Panchayat Name	Villages	HHs outside the	
	Name	-		acceptable/permissible range	
NA	NA	NA	NA	NA	
14. Ar		pots) (Acceptable R	ange- 0.01 Milligram /lit		
S.No.	Block	Panchayat Name	Villages	HHs outside the	
	Name	-		acceptable/permissible range	
NA	NA	NA	NA	NA	