

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



District Report: Janjgir-Champa, Chhattisgarh Survey Duration: February to April 2022

Contents

<u>Abbr</u>	eviations
<u>Glos</u>	<u>sary</u> 4
<u>1.</u>	Factsheet
<u>2.</u>	Context
<u>2.1.</u>	District snapshot:
<u>2.2.</u>	FHTC Assessment Objectives9
<u>2.3.</u>	Assessment Methodology9
<u>2.4.</u>	Sample Size9
<u>2.5.</u>	Sampling Methodology10
<u>2.6.</u>	Methodology for Water Quantity Measurement at Households11
<u>2.7.</u>	Methodology for Water Quality Measurement11
<u>2.8.</u>	Project implementation
<u>2.9.</u>	Sample coverage
<u>2.10</u>	<u>Sampled village and household profile</u> 13
<u>3.</u>	Findings
<u>3.1.</u>	Functionality status of FHTC at household level14
<u>3.2.</u>	Quantity, Regularity, and Quality of Water15
<u>3.3.</u>	Average water supply days in a week18
<u>3.4.</u>	Household utilization of water for drinking and other activities18
<u>3.5.</u>	Status at HH level (Nh=)
<u>3.6.</u>	Source sustainability at the village level19
<u>3.7.</u>	Water quality monitoring and surveillance in the villages20
<u>3.8.</u>	Status of JJM
<u>3.9.</u>	Perception of HHs on Outcome Indicators
<u>3.10</u>	<u>User satisfaction</u> 22
<u>4.</u>	Annexures
<u>4.</u> 2	1. <u>Summary of villages</u>
4.2	2. Functionality – 55 LPCD vs regularity vs potability vs working tap connection
4.3	3. <u>Villages not meeting the quality parameters</u> 23



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		Unit	Acceptable Limit	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.	Bacteriological test for Total bacteria and E. coli or therm coliform bacteria		Shall not be detectable in 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	Chattisgarh	Jangir- Champa
Functionality status of FHTC at households		
Households (HHs) which received water through FHTC at least once in last 7 days (%)	55	52
Fully functional (%)	71	28
Partially functional (%)	22	66
Non-functional (%)	7	6
Quantity of water received by households		
Adequate quantity (>55 LPCD) (%)	89	83
Partially adequate quantity (> 40 LPCD - < 55 LPCD) (%)	5	11
Inadequate quantity (<40 LPCD) (%)	6	6
Regularity of water received by households		
Fully Regular Supply (as per schedule) (%)	85	42
Partially Regular Supply (not as per schedule) (%)	10	57
Irregular Supply (less than 9 months' supply) (%)	5	1
Potable (Quality) water received by households		
Potable (%)	89	90
Non-potable (%)	11	10
Residual Chlorine (RCL) detected with in permissible limits (%)	33	11

Household level indicators		
Households receiving water supply daily-7 days a week (%)	90	72
Daily HH requirement of water being met by FHTC (%)	74	42
Households reported FHTC as a primary source of drinking water (%)	24	15
Households purifying water before drinking (%)	65	32
Households paying water service delivery charges (%)	40	39
Households having coping mechanisms during scarcity (%)	67	33
Households aware of grievance redressal mechanism for reporting	66	39
problems with FHTC (%)		
Households reported incidence of water-borne diseases in the last year (%)	0	0
Households reported a reduction in time and effort in collecting water (%)	73	51
Overall user satisfaction at the household level		
Regularity (%)	74	36
Overall quality (%)	74	55



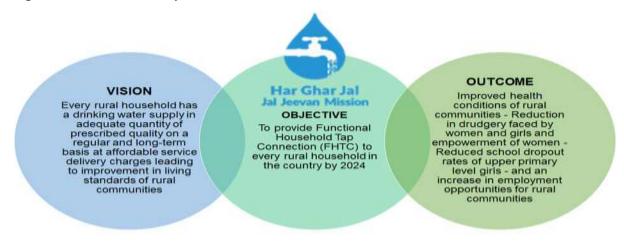
Indicators	Chattisgarh	Jangir- Champa
Village level indicators (based on village questionnaire)		
Schemes reported to be functional (%)	40	50
Villages with groundwater resource (%)	66	69
Villages having groundwater recharge structure ¹ (%)	36	62
Water supply and storage status in villages		
Average no. of times water is supplied in a day	1	1
Villages having OHT/ Sump for storage of water (%)	47	56
Water quality monitoring and surveillance in the villages		
Villages with Field Test Kits (%)	20	6
Villages in which bacteriological test was done in last 1 year by VWSC/ Pani Samiti (%)	8	0
Villages reported to have a mechanism for chlorination (%)	3	0
VWSC/Pani Samiti and PWS signage in villages		
Village reported having presence of VWSC/ Pani Samiti (%)	24	0
Villages in which VWSC/ Pani Samiti is responsible for Operation & Maintenance of PWS schemes (%)	4	0
Villages in which persons are trained to use Field Test Kits (%)	20	0
Villages in which signages about JJM were observed (%)	2	0
Operation and maintenance at village		
Villages levying water service delivery to households (%)	32	38
Convergence of JJM activities with other schemes in the villages (%)	2	0
Villages having skilled manpower for Operation & Maintenance of PWS schemes (%)	17	6
Community monitoring of water wastage in villages (%)	9	0

 $^{^{1}}$ Out of villages who reported to have groundwater source (N_v=11)

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: Janjgir-champa

District Janjgir-champa of Chhattisgarh has a population of 1687931. The district has 9 blocks. Out of 882 villages in the district, 192 are SC dominated and 130 are ST dominated villages. The district lies in Eastern Plateau and Hill Region and receives an annual rainfall of 1595.8mm.

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

Figure 1: District IMIS Status & Map

IMIS status:

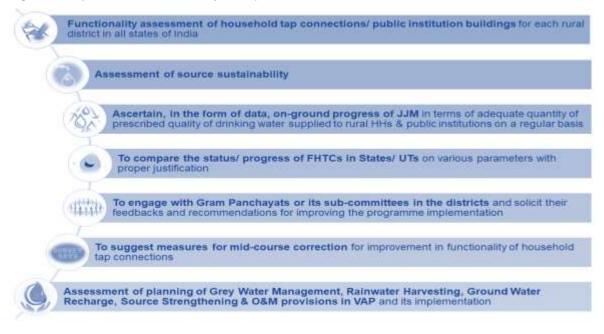
- 10 (1% of all) villages are Har Ghar Jal
- 872 (99% of all) villages are Non-Har ghar Jal
- SC/ST dominated district
- Non-JE/AES
- Yes, history of water contamination
- 519 (59% of all) villages with PWS more than 20 FHTC





2.2. FHTC Assessment Objectives

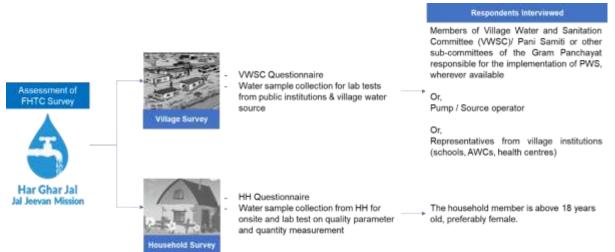
Figure 3: Objectives of Functionality of Tap Connections



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 state/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

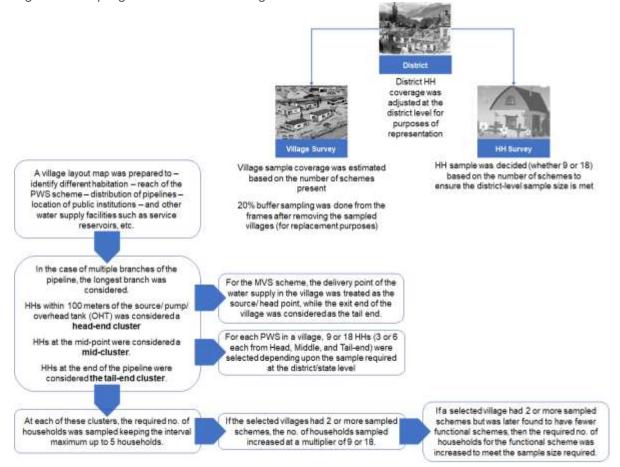
As per the design, all villages having a PWS scheme with 20 or more functional household tap connections were included in the sample frame. The probability proportionate to size (PPS) method was used for village selection in each district. The steps for random selection of villages using PPS are as presented:

Figure 5: Steps for Village Sampling



The key considerations for the village and household sampling were:

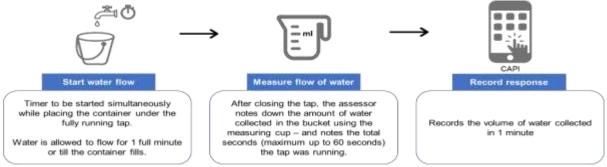
Figure 2: Sampling Considerations – Village & Households



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.

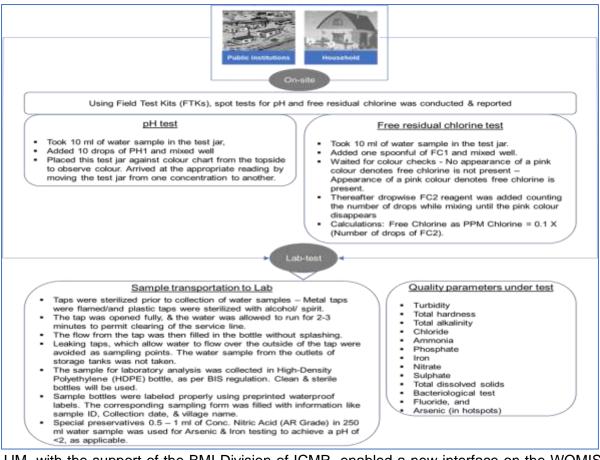
The water flow rate was not measured for village-level public institutions.

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:

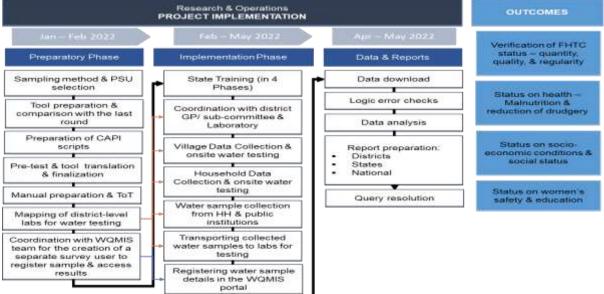


Figure 9: Broad project implementation framework



A total of 8 teams (comprising 8 supervisors, 48 assessors, and 8 water collection assistants) were recruited, trained, and deployed to complete the survey across the state of Chhattisgarh. 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
Chhattisgarh		8 Teams	2/28/2022	4/20/2022	50 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								
	Targeteo	d sample		Achieved sam	ple			
District	Village	НН	Village	НН	Public Institutions			
Janjgir- champa	16	378	16	381	2			
Chhattisgarh	383	10,611	383	10,711	312			

2.10. Sampled village and household profile

SAMPLED VILLAGES	SAMPLED HOUSEHOLDS
 Total no. of villages covered in the district – 16 Percentage of SC dominated villages covered in the district is 31% (which is higher than the state average, i.e., 8%) Percentage of ST dominated villages covered in the district is 6% (which is higher than the state average, i.e., 54%) Higher proportion of sarpanch interviewed at the village level Yes, the district reported to have any historical incidence of water contamination 	 Total no. of households covered in the district – 200 Proportion of General - 2%, SC 36%, ST% 21, OBC 41% households 23% of the FHTC connections are under the name of a female member Average household size – 6 >75% positive user experience in 0/5 measures



3. Findings

3.1. Functionality status of FHTC at household levelA. Functionality – Overall Functionality* (in %)

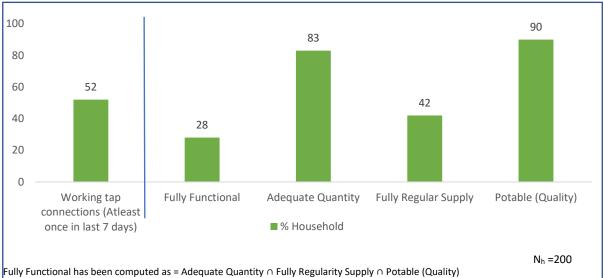


Figure 3: Functionality of HH tap connection

It has been found that 52 percent of the sampled HHs (N=200) had working tap connections (i.e., received water at least once in last 7 days). More than two out of ten (28 percent) HHs had fully functional tap connection (i.e., HHs receiving adequate quantity of prescribed quality of water on a regular basis).



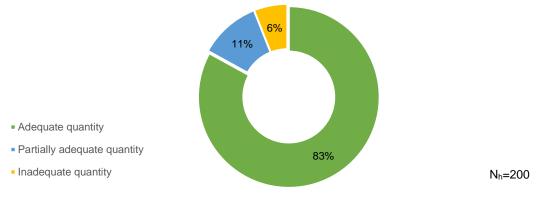
3.2. Quantity, Regularity, and Quality of Water

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)

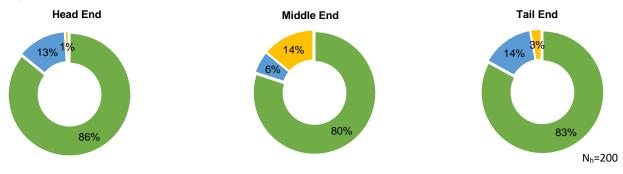
83% HHs reported receiving adequate quantity of water

Figure 4: Quantity of water received by households



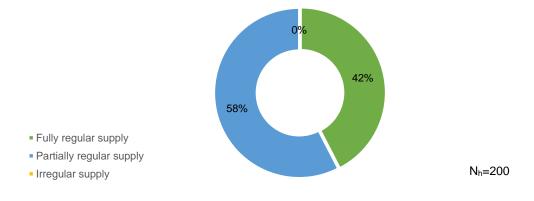
Quantity of water received across head, middle, and tail end HHs

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

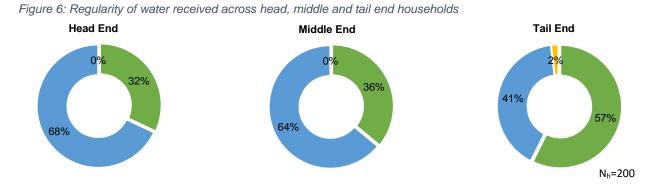


B. Regularity of water supply to households

42% HHs receive a regular supply of water (as per agreed schedule) *Figure: Regularity of water received by households*



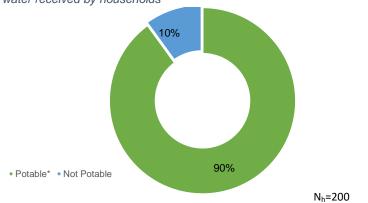




Regularity of water received across head, middle, and tail end

C. Water quality – Potability

Figure 7: Potable 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)

Quality Parameters (Nv=32)	Water Samples Tested from Public Institutes				
	Anganwadi	Health	School	Others	
	Centre	Facility			
pH (on-site)		100	100		
Turbidity	Not Tested				
Total Hardness	Not Tested				
Total Alkalinity	Not Tested				
Chloride	Not Tested				
Ammonia		Not T	ested		
Iron		Not T	ested		
Nitrate		Not T	ested		
Sulphate	Not Tested				
Total Dissolved Solids	Not Tested				
Bacteriological Test		Not T	ested		



Fluoride	No History
Arsenic	No History

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)	200	93		
Turbidity	198	100		
Total Hardness	184	99		
Total Alkalinity	193	100		
Chloride	190	100		
Ammonia	Not Tes	sted		
Iron	188	97		
Nitrate	190	100		
Sulphate	Not Tes	sted		
Total Dissolved Solids	161	100		
Bacteriological Test(Presence/Absence)	184	100		
Fluoride	Not Tested			
Arsenic	Not Tes	sted		

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

The Residual Chlorine (RC) in the Jangir-Champa district was found in 11% samples. Out of which 89% samples were having RC outside range whereas 0% samples, had no RC. 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 10 water quality parameters. 202 water samples were submitted, and 198 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 capacity to test more than 20 number of samples and had issues of human resource, regents and even another sample has been dispatched in other district lab set

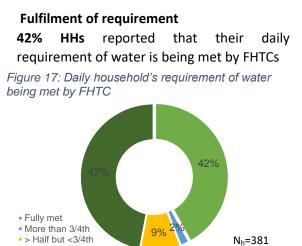


3.3. Average water supply days in a week



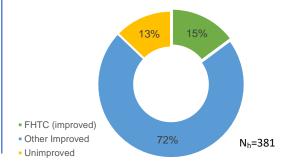


3.4. Household utilization of water for drinking and other activities



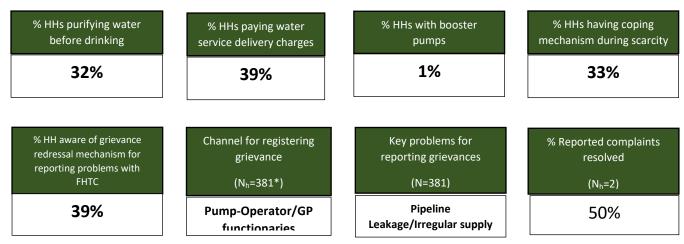
Primary source of drinking water15% HHs reported HH tap connection as their primary source of drinking water

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



3.5. Status at HH level (Nh=381)

Half or less



*HHs who reported complaints in last 1 year

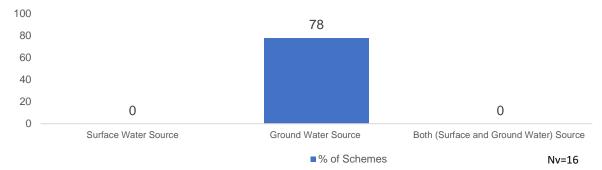


3.6. Source sustainability at the village level

Schemes based on surface and ground water

0% of schemes are reported to be based on surface water and 78% ground water.

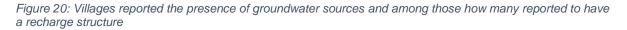
Figure 19: Schemes based on water source in village

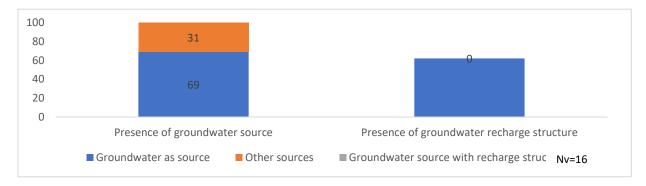


*'Surface Water Source' is Stream, Spring, Glacier, River, lake, pond etc. and Groundwater Source is open well, borewell, tube well, handpump, spring, etc

Villages reported having presence of a groundwater source

69% of villages reported the presence of groundwater sources like improved dug wells and borewells, and were supported by recharging structures.





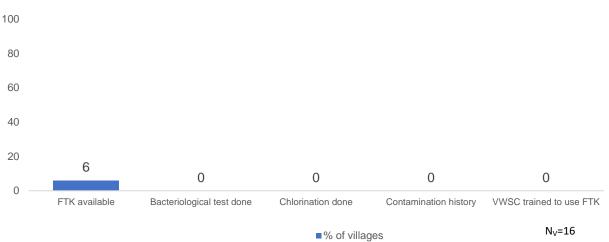
The top 3 other source sustainability measure taken by villages

No source sustainability measures taken by any village in the 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=16)

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
0%	0%	0%	0%

B. Water supply, storage and operation & maintenance at village level (N_v=16)

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	38%	6%	None
% Villages having OHT/ Sump	% Villages having faced O&M challenges	Primary points for reporting grievances	Key problems for reporting grievances
56%	0%	PHED	Pipeline leakage

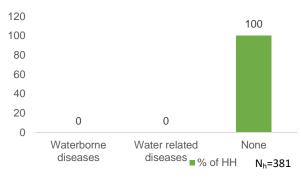


3.9. Perception of HHs on Outcome Indicators

a. Health

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

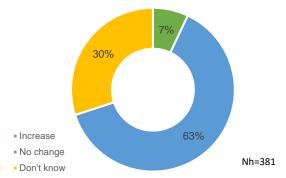
Figure 23: Household reported incidence of water borne diseases in last one year



b. Economic Income

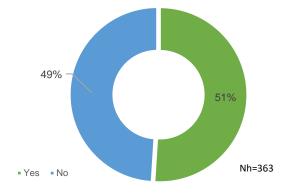
Change in employment days since FHTC programes/schemes

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



c. Drudgery Reduction in time and effort in collecting water

Figure 25: Households reported reduction in time and effort in collecting water





3.10. User satisfaction

Table No.5 User satisfaction - more than 75% happy with FHTC services					
S. No.	Parameter (Nh=381)		In %		
1	Regularity		36		
2	Overall quality	55			
3	Colour	(Poo)	57		
4	Taste	(p. 0)	58		
5	Odour	(p o)	58		

Note:

Base (N_v)=16 means all villages sampled and covered in Janjgir-champa district

Base (N_H)=381 means all households sampled and covered across the 16 villages in Janjgir-champa district

Base (N $_{\rm H}$)=381 means all households where female members used to fetch water before HH tap connection



4. Annexures

4.1. Summary of villages

Table No.	.6 Village	s 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
1	Total	378	397	16		13
2	Gaud	27	29	1		
3	Darri	18	19	1		1
4	Mauhadih (Gi)	18	19	1		2
5	Paladi Khurd	18	19	1		2
6	Beladula	18	19	1		1
7	Malani	36	37	1		1
8	Katghari	18	19	1		1
9	Tilai	18	19	1		1
10	Bargawan	36	38	1		1
11	Orai Kalan	18	19	1		
12	Parsabhata	18	20	1		1
13	Kosir	36	37	1		1
14	Khapri	18	19	1		1
15	Khemada	18	19	1		
16	Faguram	36	37	1		
17	Kotami	27	28	1		

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

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)
1	Total	27.5	83.0	42.0	90.0	100.0
2	Darri	38.9	100.0	38.9	100.0	100.0
3	Beladula	33.3	94.4	38.9	100.0	100.0
4	Malani	38.9	88.9	47.2	100.0	100.0
5	Katghari	0.0	66.7	0.0	94.4	100.0
6	Tilai	0.0	61.1	0.0	100.0	100.0
7	Bargawan	32.4	70.3	51.4	94.6	100.0
8	Parsabhata	0.0	84.2	0.0	100.0	100.0
9	Kosir	44.4	94.4	94.4	52.8	100.0

* Functionality has been computed as = Adequate Quantity \cap Fully Regularity Supply \cap Potable (Quality)"

4.3 Villages not meeting the quality parameters

Table I	Table No.8: Quality parameters dissatisfied at village level							
1. pH	(Acceptable F	Range- 6.5 to 8.5)						
S.No.	Block Name Panchayat Name Villages No. of HHs outside the acceptable range							
1	Akaltara	Barganwa	Bargawan		2			
2	Pamgarh	Koshir	Kosir		13			
2. Fre	ee residual chl	orine (Acceptable Rai	nge- 0.2 to 1 P	PM)				
S.No.	Block Name	Panchayat Name	Villages	HHs outside the acceptable/permissible range	HHs with no chlorine			
1	Akaltara	Barganwa	Bargawan	37	0			
2		Katghari	Katghari	18	0			
3		Tilai	Tilai	18	0			



5 Jaijaipur Bela Dula Beladula 18 0. 6 Maini Malni Malani 36 0. 7 Nawagath Darri Darri 18 0. 8 Parngarh Koshir Kosnir 15 0. 3 Turbidity (Acceptable Range-1 to 5 NU) 0. 0. 0. 0. S.No. Name Panchayat Name Villages HHs outside the acceptable/permissible range NA NA NA NA NA NA NA 4. Total hardness (Acceptable Range-200 to 600 Milligram/litre) 1. 5. No. Block Panchayat Name Villages HHs outside the acceptable/permissible range NA NA NA NA NA NA 6. Choride (Acceptable Range-250 to 1000 Milligram/litre) 5. S.No. Block Panchayat Name Villages HHs outside the acceptable/permissible range NA NA NA NA NA NA S.	4	Balauda	Oraikhurd	Parsabhata	18	0
6 Matri Malani 36 0 7 Nawagarh Darri Darri 18 0 8 Parngarh Koshir Kosir 15 0 3. Turbidity (Acceptable Range- 1 to 5 NTU) 5 0 5 0 S.No. Block Panchayat Name Villages HHs outside the acceptable/permissible range NA NA NA NA NA NA 4. Total hardness (Acceptable Range- 200 to 600 Milligram/litre) 5 1 S.No. Block Panchayat Name Villages HHs outside the acceptable/permissible range 1 Akatara Katghari 1 1 5 Total alkinity (Acceptable Range- 200 to 600 Milligram/litre) 5 5 5.No. Block Panchayat Name Villages HHs outside the acceptable/permissible range 7 Ammonia (Acceptable Range- 0.5 Milligram/litre) 5 5 5 8.No Block Panchayat Name Villages HHs outside the acceptable/permi	5	Jaijaipur	Bela Dula	Beladula	18	0
8 Pangarh Koshir Kosir 15 0 3. Turbidity (Acceptable Range-1 to 5 NTU) Hts outside the acceptable/permissible range 0 S.No. Block Name Panchayat Name Villages Hts outside the acceptable/permissible range S.No. Name Panchayat Name Villages Hts outside the acceptable/permissible range S.No. Name Panchayat Name Villages Hts outside the acceptable/permissible range 1 Akatara Katghari 1 1 5.No. Block Panchayat Name Villages Hts outside the acceptable/permissible range NA NA NA NA NA NA S.No. Block Panchayat Name Villages Hts outside the acceptable/permissible range NA NA NA NA NA NA NA S.No. Block Panchayat Name Villages Hts outside the acceptable/permissible range NA NA NA NA NA NA S.No. <	6		Malni	Malani	36	0
3. Turbidity (Acceptable Range- 1 to 5 NTU) S.No. Name Panchayat Name Villages HHs outside the acceptable/permissible range NA NA NA NA NA NA 4. Total Indendess (Acceptable Range- 200 to 600 Milligram/litre) Slock Panchayat Name Villages 1 Akatara Katghari Katghari 1 5. No. Block Panchayat Name Villages 1 Akatara Katghari Katghari 1 5. No. Block Panchayat Name Villages HHs outside the acceptable/permissible range S.No. Block Panchayat Name Villages HHs outside the acceptable/permissible range S.No. Name Panchayat Name Villages HHs outside the acceptable/permissible range S.No. Block Panchayat Name Villages HHs outside the acceptable/permissible range S.No. Block Panchayat Name Villages HHs outside the acceptable/permissible range S.No. Block Panchayat Name Villages HHs outside the acceptable/permissible range S.No. Block Panch	7	Nawagarh	Darri	Darri	18	0
S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range NA NA NA NA NA NA 1 Ardness (Acceptable Range- 200 to 600 Milligram/litre) 1 Akaltara Katghari 1 5.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range 1 Akaltara Katghari 1 1 Akaltara Katghari 1 5.Total alkalinity (Acceptable Range- 200 to 600 Milligram/litre) SNo. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range NA NA NA NA NA NA 6. Chloride (Acceptable Range- 250 to 1000 Milligram/litre) SNo. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range S.No. Block Na	8	Pamgarh	Koshir	Kosir	15	0
S.NO. Name Panchayat Name Villages Hirs outside the acceptable/permissible range NA NA NA NA NA NA A Total hardness (Acceptable Range-200 to 600 Milligram/litre) 1 1 S.No. Block Panchayat Name Villages HHs outside the acceptable/permissible range 1 Akatlara Katghari Katghari 1 5. Total alkalinity (Acceptable Range-200 to 600 Milligram/litre) 5 1 S.No. Block Panchayat Name Villages HHs outside the acceptable/permissible range NA NA NA NA NA 1 S.No. Block Panchayat Name Villages HHs outside the acceptable/permissible range NA NA NA NA NA NA S.No. Block Panchayat Name Villages HHs outside the acceptable/permissible range NA NA NA NA NA NA S.Ion Acceptable Range- 1 Milligram/litre) S.Ion (Acceptable Range- 1 Milligram/	3. Tu	rbidity (Accept	able Range- 1 to 5 N	TU)		
4. Total hardness (Acceptable Range- 200 to 600 Milligram/litre) S.No. Block Panchayat Name Villages HHs outside the acceptable/permissible range 1 Akatara Katghari Katghari 1 5. Total alkalinity (Acceptable Range- 200 to 600 Milligram/litre) 1 S.No. Block Panchayat Name Villages HHs outside the acceptable/permissible range NA NA NA NA NA NA 6. Chloride (Acceptable Range- 250 to 1000 Milligram/litre) S.No. Block Panchayat Name Villages HHs outside the acceptable/permissible range NA NA NA NA NA NA NA 7. Ammonia (Acceptable Range- 0.5 Milligram/litre) S.No. Block Panchayat Name Villages HHs outside the acceptable/permissible range NA NA NA NA NA NA NA S.No. Block Panchayat Name Villages HHs outside the acceptable/permissible range S.No. Block Panchayat Name Villages HHs outside the acceptable/permissible range NA <td>S.No.</td> <td></td> <td>Panchayat Name</td> <td>Villages</td> <td>HHs outside the acceptable/permissible ran</td> <td>ge</td>	S.No.		Panchayat Name	Villages	HHs outside the acceptable/permissible ran	ge
S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range 1 Akattara Katghari 1 5. Notal alkalinity (Acceptable Range- 200 to 600 Milligram/litre) 1 S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range NA NA NA NA NA 6. Chloride (Acceptable Range- 250 to 1000 Milligram/litre) S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range NA NA NA NA NA NA 7. Amme Panchayat Name Villages HHs outside the acceptable/permissible range NA NA NA NA NA NA 8. Iron (Acceptable Range- 1 Milligram/litre) S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range 1 Pangarh Koshir Kosir 5 S.No. Block Panchayat Name Villages HHs outside the acceptable/permissible range 1 Pandarh Koshir Kosir 5 </td <td>NA</td> <td>NA</td> <td>NA</td> <td>NA</td> <td>NA</td> <td></td>	NA	NA	NA	NA	NA	
S.No. Name Panchayat Name Villages HHs outside the acceptable/permissible range 1 Akattara Katghari 1 S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range NA NA NA NA NA NA 6. Chloride (Acceptable Range- 250 to 1000 Milligram/litre) HHs outside the acceptable/permissible range NA NA NA NA NA 7. Armonia (Acceptable Range- 0.5 Milligram/litre) HHs outside the acceptable/permissible range NA NA NA NA NA N.M NA NA NA NA 7. Armonia (Acceptable Range- 0.5 Milligram/litre) Stock Name S.No. Block Panchayat Name Villages HHs outside the acceptable/permissible range 1 Pamgah Koshir Kosir 5 Stitte (Acceptable Range-1 Milligram/litre) S.No. Block Panchayat Name Villages HHs outside the acceptable/permissible range 1 Pamgah Koshir Kosir 5 Stitte (A	4. To	tal hardness (A	Acceptable Range- 20	0 to 600 Millig	ram/litre)	
1 Akatara Katghari Katghari 1 5. Total alkalinity (Acceptable Range- 200 to 600 Milligram/litre) 1 S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range NA NA NA NA NA NA S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range NA NA NA NA NA NA S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range NA NA NA NA NA NA S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range S.No. Name Panchayat Name Villages HHs outside the acceptable/permissible range S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range S.No. Block Name Panchayat Name Villages HHs outside the accept	S.No.		Panchayat Name	Villages	HHs outside the acceptable/permissible range	
5. Total alkalinity (Acceptable Range- 200 to 600 Milligram/litre) S.No. Block Panchayat Name Villages HHs outside the acceptable/permissible range NA NA NA NA NA NA 6. Chloride (Acceptable Range- 250 to 1000 Milligram/litre) HHs outside the acceptable/permissible range S.No. Block Panchayat Name Villages HHs outside the acceptable/permissible range NA NA NA NA NA NA S.No. Block Panchayat Name Villages HHs outside the acceptable/permissible range NA NA NA NA NA NA S.No. Block Panchayat Name Villages HHs outside the acceptable/permissible range S.No. Name Panchayat Name Villages HHs outside the acceptable/permissible range S.No. Block Panchayat Name Villages HHs outside the acceptable/permissible range S.No. Block Panchayat Name Villages HHs outside the acceptable/permissible range S.No. Name Panchayat Name Villages HHs outside the acceptable/per	1		Katghari	Katghari		1
S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range NA NA NA NA NA NA 6. Chloride (Acceptable Range- 250 to 1000 Milligram/litre) Stock Panchayat Name Villages HHs outside the acceptable/permissible range NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range S.No. Name Panchayat Name Villages HHs outside the acceptable/permissible range S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range <t< td=""><td>5. To</td><td></td><td>¥</td><td></td><td>am/litre)</td><td></td></t<>	5. To		¥		am/litre)	
6. Chloride (Acceptable Range- 250 to 1000 Milligram/litre) S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range NA NA NA NA NA NA 7. Ammonia (Acceptable Range- 0.5 Milligram/litre) HHs outside the acceptable/permissible range S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range NA NA NA NA NA NA 8. Iron (Acceptable Range- 1 Milligram/litre) HHs outside the acceptable/permissible range 1 Pamgarh Koshir Kosir 5 9. Nitrate (Acceptable Range- 1 Milligram/litre) 5 S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range S.No. Bl		Block				
S.No. Block NA Panchayat Name Villages HHs outside the acceptable/permissible range NA NA NA NA NA NA 7. Arronia (Acceptable Range- 0.5 Milligram/litre) Standard	NA	NA	NA	NA	NA	,
S.No. Block NA Panchayat Name Villages HHs outside the acceptable/permissible range NA NA NA NA NA NA 7. Arronia (Acceptable Range- 0.5 Milligram/litre) Standard			able Range- 250 to 10	000 Milligram/l	itre)	
NA NA NA NA NA 7. Ammonia (Acceptable Range- 0.5 Milligram/litre) Fillingram/litre) Fillingram/litre) S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range NA NA NA NA NA NA 8. Iron (Acceptable Range- 1 Milligram/litre) Fillingram/litre) Fillingram/litre) S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range 1 Pamgarh Koshir Kosir 5 9. Nitrate (Acceptable Range- 1 Milligram/litre) Fillingram/litre) S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range NA NA NA NA NA NA 10. Sulphate (Acceptable Range- 200 to 400 Milligram/litre) Silon Mame Panchayat Name Villages NA NA NA NA NA NA 11. Total dissolved solids (Acceptable Range- 500 to 2000 Milligram/litre)		Block				
7. Ammonia (Acceptable Range- 0.5 Milligram/litre) S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range NA NA NA NA NA 8. Iron (Acceptable Range- 1 Milligram/litre) HHs outside the acceptable/permissible range 9. Name Panchayat Name Villages 1 Pamgarh Koshir Kosir 5 9. Nitrate (Acceptable Range- 1 Milligram/litre) 5 S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range NA NA NA NA NA NA S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range S.No. Block Name Panchayat Name Villages <t< td=""><td>NA</td><td></td><td>NA</td><td>NA</td><td>NA</td><td></td></t<>	NA		NA	NA	NA	
S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range NA NA NA NA NA 8. Iron (Acceptable Range- 1 Milligram/litre) S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range 1 Pamgarh Koshir Kosir 5 9. Nitrate (Acceptable Range- 1 Milligram/litre) 5 S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range <						
NA NA NA NA NA 8. Iron (Acceptable Range- 1 Milligram/litre) Hs outside the acceptable/permissible range 1 Pamgarh Koshir Kosir 5 9. Nitrate (Acceptable Range- 1 Milligram/litre) 5 9. Nitrate (Acceptable Range- 1 Milligram/litre) 5 9. Nitrate (Acceptable Range- 1 Milligram/litre) 5 9. Name Panchayat Name Villages HHs outside the acceptable/permissible range NA NA NA NA NA 10. Sulphate (Acceptable Range- 200 to 400 Milligram/litre) 5 S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range NA NA NA NA NA NA 11. Total dissolved solids (Acceptable Range- 500 to 2000 Milligram/litre) 5 No. S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range NA NA NA NA <td< td=""><td></td><td>Block</td><td></td><td></td><td>HHs outside the acceptable/permissible range</td><td></td></td<>		Block			HHs outside the acceptable/permissible range	
8. Iron (Acceptable Range- 1 Milligram/litre) S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range 1 Pamgarh Koshir Kosir 5 9. Nitrate (Acceptable Range- 1 Milligram/litre) 5 S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range NA NA NA NA NA NA 10. Sulphate (Acceptable Range- 200 to 400 Milligram/litre) 5 S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range NA NA NA NA NA 11. Total dissolved solids (Acceptable Range- 500 to 2000 Milligram/litre) 5 S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range NA NA NA NA NA NA 12. Bacteriological test (Presence) 5 5 S.No. Block Name	NA		NA	NA	NA	
S.No.Block NamePanchayat NameVillagesHHs outside the acceptable/permissible range1PamgarhKoshirKosir59. Nitrate (Acceptable Range- 1 Milligram/litre)S.No.Block NamePanchayat NameVillagesHHs outside the acceptable/permissible rangeNANANANANA10. Sutphate (Acceptable Range- 200 to 400 Milligram/litre)S.No.Block NamePanchayat NameVillagesHHs outside the acceptable/permissible rangeNANANANANA10. Sutphate (Acceptable Range- 200 to 400 Milligram/litre)S.No.Block NamePanchayat NameVillagesNANANANANANA11. Total dissolved solids (Acceptable Range- 500 to 2000 Milligram/litre)S.No.Block NamePanchayat NameVillagesHHs outside the acceptable/permissible rangeNANANANA12. Bacteriological test (Presence)S.No.Block NamePanchayat NameVillagesHHs outside the acceptable/permissible rangeNANANANANANANANAS.No.Block NamePanchayat NameVillagesHHs outside the acceptable/permissible rangeS.No.Block NamePanchayat NameVillagesHHs outside the acceptable/permissible rangeS.No.Block NamePanchayat NameVillagesHHs outside the acceptable/permissible range <tr< td=""><td></td><td>n (Acceptable</td><td></td><td></td><td></td><td></td></tr<>		n (Acceptable				
9. Nitrate (Acceptable Range- 1 Milligram/litre) S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range NA NA NA NA NA NA 10. Sulphate (Acceptable Range- 200 to 400 Milligram/litre) NA NA S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range NA NA NA NA NA NA 11. Total dissolved solids (Acceptable Range- 500 to 2000 Milligram/litre) S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range <tr< td=""><td></td><td>Block</td><td></td><td></td><td>HHs outside the acceptable/permissible range</td><td></td></tr<>		Block			HHs outside the acceptable/permissible range	
S.No.Block NamePanchayat NameVillagesHHs outside the acceptable/permissible rangeNANANANANA10.Subhate (Acceptable Range- 200 to 400 Milligram/litre)S.No.Block NamePanchayat NameVillagesHHs outside the acceptable/permissible rangeS.No.Block NamePanchayat NameVillagesHHs outside the acceptable/permissible rangeNANANANANA11.Total dissolved solids (Acceptable Range- 500 to 2000 Milligram/litre)S.No.Block NamePanchayat NameVillagesHHs outside the acceptable/permissible rangeNANANANANANA12.Buck NamePanchayat NameVillagesS.No.Block NamePanchayat NameVillagesS.No.Block NamePanchayat NameVillagesS.No.Block NamePanchayat NameVillagesS.No.Block NamePanchayat NameVillagesS.No.Block NamePanchayat NameVillagesS.No.Block NamePanchayat NameVillagesHHs outside the acceptable/permissible rangeNANANANANANA14.Arsenic (in hotspots) (Acceptable Range- 0.01 Milligram /litre)S.No.Block NamePanchayat NameVillagesHHs outside the acceptable/permissible rangeNANANANANANANA<	1	Pamgarh	Koshir	Kosir		5
S.No.Block NamePanchayat NameVillagesHHs outside the acceptable/permissible rangeNANANANANA10.Subhate (Acceptable Range- 200 to 400 Milligram/litre)S.No.Block NamePanchayat NameVillagesHHs outside the acceptable/permissible rangeS.No.Block NamePanchayat NameVillagesHHs outside the acceptable/permissible rangeNANANANANA11.Total dissolved solids (Acceptable Range- 500 to 2000 Milligram/litre)S.No.Block NamePanchayat NameVillagesHHs outside the acceptable/permissible rangeNANANANANANA12.Buck NamePanchayat NameVillagesS.No.Block NamePanchayat NameVillagesS.No.Block NamePanchayat NameVillagesS.No.Block NamePanchayat NameVillagesS.No.Block NamePanchayat NameVillagesS.No.Block NamePanchayat NameVillagesS.No.Block NamePanchayat NameVillagesHHs outside the acceptable/permissible rangeNANANANANANA14.Arsenic (in hotspots) (Acceptable Range- 0.01 Milligram /litre)S.No.Block NamePanchayat NameVillagesHHs outside the acceptable/permissible rangeNANANANANANANA<	9. Nitra	ate (Acceptable	e Range- 1 Milligram/	litre)		
10. Sulphate (Acceptable Range- 200 to 400 Milligram/litre) S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range NA NA NA NA NA NA 11. Total dissolved solids (Acceptable Range- 500 to 2000 Milligram/litre) S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range NA NA NA NA NA NA 12. Bacteriological test (Presence) Villages HHs outside the acceptable/permissible range S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range	S.No.		Panchayat Name	Villages	HHs outside the acceptable/permissible range	
S.No.Block NamePanchayat NameVillagesHHs outside the acceptable/permissible rangeNANANANANANA11.Total dissolved solids (Acceptable Range- 500 to 2000 Milligram/litre)S.No.Block NamePanchayat NameVillagesHHs outside the acceptable/permissible rangeNANANANANANA12.Bacteriological test (Presence)S.No.Block NamePanchayat NameVillagesHHs outside the acceptable/permissible rangeS.No.Block NamePanchayat NameVillagesHHs outside the acceptable/permissible rangeS.No.Block NamePanchayat NameVillagesHHs outside the acceptable/permissible rangeS.No.Block NamePanchayat NameVillagesHHs outside the acceptable/permissible rangeNANANANANA13.Flucride (Acceptable Range- 1 to 1.5 Milligram /litre)S.No.Block NamePanchayat NameVillagesHHs outside the acceptable/permissible rangeNANANANA14.Arsenic (in hotspots) (Acceptable Range- 0.01 Milligram /litre)S.No.Block NamePanchayat NameVillagesHHs outside the acceptable/permissible rangeS.No.Block NamePanchayat NameVillagesHHs outside the acceptable/permissible rangeS.No.Block NamePanchayat NameVillagesHHs outside the acceptable/permissible range <td>NA</td> <td>NA</td> <td>NA</td> <td>NA</td> <td>NA</td> <td></td>	NA	NA	NA	NA	NA	
S.No.NamePanchayat NameVillagesHHs outside the acceptable/permissible rangeNANANANANA11. Total dissolved solids (Acceptable Range- 500 to 2000 Milligram/litre)S.No.Block NamePanchayat NameVillagesHHs outside the acceptable/permissible rangeNANANANANA12. Bacteriological test (Presence)S.No.Block NamePanchayat NameVillagesHHs outside the acceptable/permissible rangeS.No.Block NamePanchayat NameVillagesHHs outside the acceptable/permissible rangeNANANANANA14. Arsenic (in hotspots) (Acceptable Range- 0.01 Milligram /litre)S.No.Block NamePanchayat NameS.No.Block NamePanchayat NameVillagesHHs outside the acceptable/permissible range	10. Su	Iphate (Accept	table Range- 200 to 4	00 Milligram/lit	re)	
11. Total dissolved solids (Acceptable Range- 500 to 2000 Milligram/litre) S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range NA NA NA NA NA NA 12. Bacteriological test (Presence) S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range NA NA NA NA NA NA 13. Fluoride (Acceptable Range- 1 to 1.5 Milligram /litre) S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range NA NA NA NA NA NA NA NA NA NA NA S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range	S.No.		Panchayat Name	Villages	HHs outside the acceptable/permissible range	
S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range NA NA NA NA NA NA 12. Bacteriological test (Presence) Iter (Presence) Iter (Presence) S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range NA NA NA NA NA NA 13. Fluoride (Acceptable Range- 1 to 1.5 Milligram /litre) Ites outside the acceptable/permissible range S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range NA NA NA NA NA NA S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range NA NA NA NA NA NA 14. Arsenic (in hotspots) (Acceptable Range- 0.01 Milligram /litre) S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range	NA	NA	NA	NA	NA	
S.No. Name Panchayat Name Villages HHs outside the acceptable/permissible range NA NA NA NA NA NA 12. Bacteriological test (Presence) Images HHs outside the acceptable/permissible range S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range NA NA NA NA NA NA 13. Fluoride (Acceptable Range- 1 to 1.5 Milligram /litre) Images HHs outside the acceptable/permissible range S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range NA NA NA NA NA NA S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range NA NA NA NA NA NA 14. Arsenic (in hotspots) (Acceptable Range- 0.01 Milligram /litre) S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range	11. To	tal dissolved s	olids (Acceptable Rar	nge- 500 to 200	00 Milligram/litre)	
12. Bacteriological test (Presence) S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range NA NA NA NA NA NA 13. Fluoride (Acceptable Range- 1 to 1.5 Milligram /litre) S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range NA NA NA NA NA 14. Arsenic (in hotspots) (Acceptable Range- 0.01 Milligram /litre) S.No. Block Name Panchayat Name Villages S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range	S.No.		Panchayat Name	Villages	HHs outside the acceptable/permissible range	
S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range NA NA NA NA NA NA 13. Fluoride (Acceptable Range- 1 to 1.5 Milligram /litre) The soutside the acceptable/permissible range S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range				NA	NA	
S.No. Name Panchayat Name Villages HHs outside the acceptable/permissible range NA NA NA NA NA NA 13. Fluoride (Acceptable Range- 1 to 1.5 Milligram /litre) S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range NA NA NA NA NA NA A NA NA NA NA NA NA NA NA NA NA NA NA NA NA S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range	12. Ba	cteriological te	st (Presence)			
13. Fluoride (Acceptable Range- 1 to 1.5 Milligram /litre) S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range NA NA NA NA NA 14. Arsenic (in hotspots) (Acceptable Range- 0.01 Milligram /litre) S.No. Block Name Panchayat Name Villages S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range	S.No.		Panchayat Name	Villages	HHs outside the acceptable/permissible range	
S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range NA NA NA NA NA 14. Arsenic (in hotspots) (Acceptable Range- 0.01 Milligram /litre) S.No. Block Name Panchayat Name Villages Villages HHs outside the acceptable/permissible range					NA	
S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range NA NA NA NA NA 14. Arsenic (in hotspots) (Acceptable Range- 0.01 Milligram /litre) S.No. Block Name Panchayat Name Villages Villages HHs outside the acceptable/permissible range	13. Flu	oride (Accepta	able Range- 1 to 1.5 M	/lilligram /litre)		
14. Arsenic (in hotspots) (Acceptable Range- 0.01 Milligram /litre) S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range	S.No.		Panchayat Name	Villages	HHs outside the acceptable/permissible range	
S.No. Block Name Panchayat Name Villages HHs outside the acceptable/permissible range	NA	NA	NA	NA	NA	
Name Panchayat Name Villages HHS outside the acceptable/permissible range	14. Ars	senic (in hotsp	ots) (Acceptable Rang	ge- 0.01 Milligr	am /litre)	
		Block				
	NA		NA	NA	NA	

