Starred Assembly Question No. *56

Listed on 19.12.2023

Index of Information

To Supply Clean Potable Drinking Water

***56 Smt. GEETA BHUKAL (Jhajjar)**

Will the Public Health Engineering Minister be pleased to state:-

(a) Whether it is fact that there is problem of clean potable drinking water in villages Birohar, Noganwa, Salhawas, Birdhana, Mohanbari, Jhamri, Kaliwas and Birar of Jhajjar Assembly Constituency; and

(b) the time by which adequate clean drinking water is likely to be supplied in above said villages?

DR.BANWARI LAL
MINISTER, HARYANA
PUBLIC HEALTH ENGINEERING DEPARTMENT

Sir, all these villages are being supplied clean potable drinking water with a service level of 70 Litre Per Capita Per Day(LPCD). Further, ongoing works under JJM worth Rs. 92.75 lakh in Birohar, Rs. 31.10 lakh in Noganwa, Rs. 77.30 lakh in Salhawas and Rs. 136.89 lakh in Birdhana are likely to be completed by 30.03.2024 etc. Besides, clean potable water is being supplied in village Mohanbari, Jhamri, Kaliwas and Birar, though a separate canal based water works is under consideration for village Birar on public demand.

Executive Summary

The position of drinking water supply in the villages stated in the question is as follows:-

Birohar

The present population of village Birohar is 7981 persons. Potable drinking water supply to the village is being provided through a canal based water supply scheme with a service level @ 70 LPCD. In order to mitigate the raw water shortage in summer season, an estimate for lifting raw water from Badhwana Distributary amounting to Rs. 670.00 Lakh is under consideration.

Noganwa

The present population of village Noganwa is 3423 persons. Drinking water supply to the village is being provided through a canal based water supply scheme with waterworks in village Ruriawas. Apart from this, a tubewell has also been installed in village Noganwa to supplement the canal water supply and the present water allowance is 70 LPCD. As a long-lasting solution, a proposal is under consideration for providing independent canal based water works in village Noganwa for which there is a persistent demand by the Gram Panchayat of the village.

Salhawas

The present population of village Salhawas is 7393 persons. Drinking water supply to village Salhawas is being provided through a canal based water supply scheme which was commissioned during the year 2016 with a service level @ 70 LPCD.

Birdhana

The present population of village Birdhana is 6424 persons. Drinking water supply to the village is being provided through a canal based water supply scheme which was commissioned during the year 1983 with a service level @ 70 LPCD.

Mohanbari

The present population of village Mohanbari is 1623 persons. The water supply to the village is being provided through a canal based water supply scheme costing Rs. 134.25 lakh which was made functional in the month of November, 2023. The present drinking water supply service level of village Mohanbari is 70 LPCD.

Jhamri

The present population of village Jhamri is 2894 persons. Drinking water supply to the village is being provided through a canal based water supply scheme which was commissioned during 2018 with a service level @ 70 LPCD. In order to enhance the

existing storage capacity at the waterworks, a proposal to construct a RCC storage & sedimentation tank is under consideration.

Kaliawas

The present population of village Kaliawas is 2158 persons and drinking water is being provided through a canal based water supply scheme which was commissioned during the year 2014 with a service level @ 70 LPCD.

Birar

The present population of village Birar is 2728 persons. Drinking water is being supplied through a canal based water supply scheme Ladain with waterworks located in village Ladain. Besides, the canal water is also supplemented through a tubewell in village Birar. To meet the aspirations of the public, a proposal is under consideration to construct independent water works in village Birar, which would only materialize, subject to availability of sufficient raw water.

Note for the pad for Hon'ble Public Health Engineering Minister, Haryana in respect of Starred Assembly Question No. *56 asked by Smt. Geeta Bhukkal (Jhajjar).

The position of drinking water supply in the villages is as follows:

Birohar

The present population of village Birohar is 7981 persons. Drinking water supply to the village is being provided through a canal based water supply scheme with a service level @ 70 LPCD. One Boosting station has also been constructed in the village to maintain adequate pressure. The existing canal based water supply scheme is functioning satisfactorily and supplying clean potable water. The water sample report confirming the potability of water is at **Annexure-A**.

Further, an estimate amounting to Rs. 92.75 lakh has been approved under Jal Jeevan Mission(JJM) for strengthening the distribution network, providing functional household tap connections etc. The work against this estimate is likely to be completed by 31.03.2024.

In order to mitigate the raw water shortage in summer season, an estimate for lifting raw water from Badhwana Distributary amounting to Rs. 670.00 Lakh is under consideration. The work will be started after the estimate is accorded administrative approval and subject to availability of sufficient raw water.

Noganwa

The present population of village Noganwa is 3423 persons. Drinking water supply to the village is being provided through a canal based water supply scheme with waterworks in village Ruriawas. Apart from this, a tubewell has also been installed in village Noganwa to supplement the canal water supply and the present water allowance is 70 LPCD. Clean potable water supply is being supplied to the village which is corroborated by the water test report appended at **Annexure-B.**

Further, an estimate under Jal Jeevan Mission (JJM) amounting to Rs. 31.10 lakh has been approved for strengthening the distribution network, providing functional household tap connections etc. The work against this estimate is likely to be completed by 31.03.2024.

As a long-lasting solution, a proposal is under consideration for providing independent canal based water works in village Noganwa for which there is a persistent demand by the Gram Panchayat of the village.

Salhawas

The present population of village Salhawas is 7393 persons. Drinking water supply to village Salhawas is being provided through a canal based water supply scheme which was commissioned during the year 2016 with a service level @ 70 LPCD. The quality of drinking water is tested on regular basis and a copy of the test report is appended as **Annexure-C** which confirms the supply of clean potable water to village Salhawas.

Further, an estimate under Jal Jeevan Mission(JJM) amounting to Rs. 77.30 lakh has been approved for strengthening the distribution network, providing Functional household tap connections etc. The work against this estimate is likely to be completed by 31.03.2024.

Birdhana

The present population of village Birdhana is 6424 persons. Drinking water supply to the village is being provided through a canal based water supply scheme which was commissioned during the year 1983 with a service level @ 70 LPCD. Existing canal based water supply scheme is running smoothly and one Boosting station is also functional in the village to maintain pressure symmetries. The village is being supplied clean potable water and this fact is supported by the water test report at **Annexure-D**.

Further, an estimate under Jal Jeevan Mission(JJM) amounting to Rs. 136.89 lakh has been approved for strengthening the distribution network, providing functional household tap connections etc. The work against this estimate is likely to be completed by 31.03.2024.

Mohanbari

The present population of village Mohanbari is 1623 persons. The water supply to the village is being provided through a canal based water supply scheme costing Rs. 134.25 lakh which was made functional in the month of November, 2023. The present drinking water supply service level of village Mohanbari is 70 LPCD. The quality of drinking water is tested on regular basis and the test results are within the desired parameters the water test report appended as **Annexure-E.**

Jhamri

The present population of village Jhamri is 2894 persons. Drinking water supply to the village is being provided through a canal based water supply scheme which was commissioned during 2018 with a service level @ 70 LPCD. Clean potable water supply is being supplied to the village which is corroborated by the water test report appended as **Annexure-F.**

In order to enhance the existing storage capacity at the waterworks, a proposal to construct a RCC storage & sedimentation tank is under consideration. The work will commence after administrative approval is accorded and subject to availability of adequate raw water.

Kaliawas

The present population of village Kaliawas is 2158 persons and drinking water is being provided through a canal based water supply scheme which was commissioned during the year 2014 with a service level @ 70 LPCD. The water quality is tested on regular basis and a copy of the test report is attached as **Annexure-G**, to support the claim on the potability of water being supplied.

Birar

The present population of village Birar is 2728 persons. Drinking water is being supplied through a canal based water supply scheme Ladain with waterworks located in village Ladain. Besides, the canal water is also supplemented through a tubewell in village Birar. A boosting station is also functional in the village to ensure sufficient pressures. At present, drinking water supply to the village is being maintained with a service level @ 70 LPCD. Clean potable water supply is being supplied to the village and this fact is substantiated by the water test report appended as **Annexure-H**.

Notwithstanding the satisfactory supply of drinking water to village Birar with the present dispensation, the Gram Panchayat is persistently demanding a separate canal based waterworks. To meet the aspirations of the public, a proposal is under consideration to construct independent water works in village Birar, which would only materialize, subject to availability of sufficient raw water.

POSITION OF JHAJJAR CONSTITUENCY

There are **82** villages in Jhajjar Constituency and drinking water is being supplied to these village through **49** canal based water works and 44 tubewells. The water supply status of these villages is as under:-

Water Supply Status in Liters Per Capita per Day (LPCD)	**Nos. of villages**
Upto 20 LPCD	0
21-29 LPCD	0
30-39 LPCD	0
40-55 LPCD	0
55-70 LPCD	0
70 LPCD & ABOVE	82 villages
Total	**82 Villages**

There is no deficiency of drinking water in villages of Jhajjar Constituency. There are 29 major works for construction of new water works/ boosting station/ strengthening of distribution system/ arrangement of raw water through pumping etc. which are in progress, having an estimated cost of Rs. **4732.99** lakh against which an expenditure of Rs. **2413.06** lakh has been incurred till date. The scheme wise detail is given at **Annexure-I**.

Status of Water Supply Scheme in Jhajjar Town

There is one town, namely, Jhajjar in Jhajjar Constituency. There are three Water Works based on surface source having a total treatment capacity of 16.62 MLD through rapid sand technology i.e. (4.54 MLD Capacity at Gurugram Road, 4.54 MLD Capacity at Tehsil Road & 7.54 MLD Capacity at Chhara Road) and 1 Boosting Station exists at Delhi Gate in Jhajjar Town. The total Water Supply network has a length of 178.76 K.M. At present, there are no ongoing water supply works in hand in Jhajjar town.

Status of Sewerage in Jhajjar Town

There is one town, namely, Jhajjar in Jhajjar Constituency. Two Sewage Treatment Plants (STPs) have been constructed, based on MBBR Technology, having total treatment capacity of 10.5 MLD and a total sewerage network of 95.90 K.M. There are two ongoing works for up-gradation of existing STPs and Sewerage System in Jhajjar town at an estimated cost of Rs. **1760.09** lakh against which an expenditure of Rs. **1054.06** lakh has been incurred till date at **Annexure-J**

Status of Storm Water Drainage in Jhajjar Town

There are five Storm Water Disposals and sewerage network to drain out the storm water from the town. One work for strengthening the Storm Water Drainage System in Jhajjar town is in progress at an estimated cost of Rs. **225.14** lakh against which an expenditure of Rs. **51.89** lakh has been incurred till date.

The detail of works of Urban Sewerage and Storm Water which are in progress in Jhajjar Constituency are at **Annexure-K.**

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Annexure - A

WATER TESTING LABORATORY PUBLIC HEALTH ENGINEERING DEPARTMENT, JHAJJAR

E-mail :- chemistjjr@gmail.com

Test Report

Test Report No. :- CH-677/2023	ULR No. :- TC-93522300000672F
Issue To :- PHESD No. 2, Jhajjar	Issue Date : 15.11.2023
Memo No. :- 1855	Sample Description :- Drinking Water
Sample Type :- Chemical Analysis	Sample Received on Date :- 08.11.2023
Sample Submitted by :- Sh. Umed	
Sample Location :- **WW Birohar**	Date of Analysis Started :- 09.11.2023
Sample Quantity :- 2 Litre	Date of Analysis Completed :- 09.11.2023

RESULTS

Sr. No.	Parameter	Protocol Used	Result	IS:10500-2012 (Second Revision) (RA-2018)		Unit
				Desirable Limit	Max. Permissible Limit (in absence better alternate source)	
1	Total Dissolved Solids(TDS) at 180°C	APHA2540 C	431	500	2000	mg/L
2	Total Hardness as $CaCO_3$	APHA2340 C	288.65	200	600	mg/L
3	Calcium (as Ca)	APHA3500-Ca B	62.80	75	200	mg/L
4	Magnesium (as Mg)	APHA3500-Mg B	32.06	30	100	mg/L
5	Chloride (as Cl)	APHA4500-Cl B	66.36	250	1000	mg/L
6	Total Alkalinity as $CaCo_3$	APHA 2320 B	113.85	200	600	mg/L
7	Turbidity	APHA 2130 B	Less than 1	1	5	NTU
8	Colour	IS-3025 (Part 4)	2	5	15	Hz
9	pH at 25°C	APHA 4500-H+B	7.41	6.5-8.5	Not relaxation	-
10	Odour	IS-3025 (Part 5)	Agreeable	Agreeable	Agreeable	-
11	Taste	IS-3025(Part 8)	Agreeable	Agreeable	Agreeable	

Note :-

1. The result given above are related to the sample as received and tested in PHED Lab, JHAJJAR. Reliability of sample lies with the sender.
2. The test report can't be regenerated/re-produced in whole or in part without written permission of Laboratory.
3. The test report can't be used for any publicity or any legal purpose.
4. The test samples meant for chemical analysis will be disposed off after 15 days from the date of issue of test report unless untill specifically requested by the customer for retaining over a longer period.
5. Sample is not drawn by laboratory.

-Sd-
Authorized Signatory/Chemist
PHED Water Testing Laboratory,
Jhajjar

----------END OF TEST REPORT----------

Superintending Engineer
Public Health Engg. Circle
JHAJJAR

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Annexure - B

WATER TESTING LABORATORY PUBLIC HEALTH ENGINEERING DEPARTMENT, JHAJJAR

E-mail :- chemistjjr@gmail.com

Test Report

Test Report No. :- CH-344/2023	ULR No. :- TC-93522300000339F
Issue To :- PHESD No. 2, Jhajjar	Issue Date : 04.05.2023
Memo No. :- 601	Sample Description :- Drinking Water
Sample Type :- Chemical Analysis	Sample Received on Date :- 03.05.2023
Sample Submitted by :- Sh. Umed	
Sample Location :- TW Nogaowa 4	Date of Analysis Started :- 04.05.2023
Sample Quantity :- 2 Litre	Date of Analysis Completed :- 04.05.2023

RESULTS

Sr. No.	Parameter	Protocol Used	Result	IS:10500-2012 (Second Revision) (RA-2018)		Unit
				Desirable Limit	Max. Permissible Limit (in absence better alternate source)	
1	Total Dissolved Solids(TDS) at 180°C	APHA2540 C	1000	500	2000	mg/L
2	Total Hardness as $CaCO_3$	APHA2340 C	597.98	200	600	mg/L
3	Calcium (as Ca)	APHA3500-Ca B	102.02	75	200	mg/L
4	Magnesium (as Mg)	APHA3500-Mg B	83.45	30	100	mg/L
5	Chloride (as Cl)	APHA4500-Cl B	283.88	250	1000	mg/L
6	Total Alkalinity as $CaCo_3$	APHA 2320 B	224.12	200	600	mg/L
7	Turbidity	APHA 2130 B	2.19	1	5	NTU
8	Colour	IS-3025 (Part 4)	4	5	15	Hz
9	pH at 25°C	APHA 4500-H^+B	7.36	6.5-8.5	Not relaxation	-
10	Odour	IS-3025 (Part 5)	Agreeable	Agreeable	Agreeable	-
11	Taste	IS-3025(Part 8)	Agreeable	Agreeable	Agreeable	

Note :-

1. The result given above are related to the sample as received and tested in PHED Lab, JHAJJAR. Reliability of sample lies with the sender.
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3. The test report can't be used for any publicity or any legal purpose.
4. The test samples meant for chemical analysis will be disposed off after 15 days from the date of issue of test report unless untill specifically requested by the customer for retaining over a longer period.
5. Sample is not drawn by laboratory.

Sample analyzed by : Ashwani Kumar

-Sd-
Authorized Signatory/Chemist
PHED Water Testing Laboratory,
Jhajjar

----------END OF TEST REPORT----------

Superintending Engineer
Public Health Engg. Circle
JHAJJAR

अनुलग्नक : 'ग'

Annexure-C

WATER TESTING LABORATORY PUBLIC HEALTH ENGINEERING DEPARTMENT, JHAJJAR
E-mail :- chemistjjr@gmail.com

Test Report

Test Report No. :- CH-547/2023	ULR No. :- TC-93522300000542F
Issue To :- PHESD No. 5, Jhajjar	Issue Date : 13.10.2023
Memo No. :- 1683	Sample Description :- Drinking Water
Sample Type :- Chemical Analysis	Sample Received on Date :- 06.10.2023
Sample Submitted by :- Sh. Mahesh	
Sample Location :- W/W **Salhawas 2013**	Date of Analysis Started :- 11.10.2023
Sample Quantity :- 2 Litre	Date of Analysis Completed :- 11.10.2023

RESULTS

Sr. No.	Parameter	Protocol Used	Result	IS:10500-2012 (Second Revision) (RA-2018)		Unit
				Desirable Limit	Max. Permissible Limit (in absence better alternate source)	
1	Total Dissolved Solids(TDS) at 180°C	APHA2540 C	160	500	2000	mg/L
2	Total Hardness as $CaCO_3$	APHA2340 C	111.34	200	600	mg/L
3	Calcium (as Ca)	APHA3500-Ca B	24.79	75	200	mg/L
4	Magnesium (as Mg)	APHA3500-Mg B	12.03	30	100	mg/L
5	Chloride (as Cl)	APHA4500-Cl B	16.59	250	1000	mg/L
6	Total Alkalinity as $CaCo_3$	APHA 2320 B	81.65	200	600	mg/L
7	Turbidity	APHA 2130 B	Less than 1	1	5	NTU
8	Colour	IS-3025 (Part 4)	1	5	15	Hz
9	pH at 25°C	APHA 4500-H+B	7.71	6.5-8.5	Not relaxation	-
10	Odour	IS-3025 (Part 5)	Agreeable	Agreeable	Agreeable	-
11	Taste	IS-3025(Part 8)	Agreeable	Agreeable	Agreeable	

Note :-

1. The result given above are related to the sample as received and tested in PHED Lab, JHAJJAR. Reliability of sample lies with the sender.
2. The test report can't be regenerated/re-produced in whole or in part without written permission of Laboratory.
3. The test report can't be used for any publicity or any legal purpose.
4. The test samples meant for chemical analysis will be disposed off after 15 days from the date of issue of test report unless untill specifically requested by the customer for retaining over a longer period.
5. Sample is not drawn by laboratory.

Sample analyzed by : Ashwani Kumar

-Sd-
Authorized Signatory/Chemist
PHED Water Testing Laboratory,
Jhajjar

----------END OF TEST REPORT----------

Superintending Engineer
Public Health Engg. Circle
JHAJJAR

अनुलग्नक-'घ'

Annexure - D

WATER TESTING LABORATORY PUBLIC HEALTH ENGINEERING DEPARTMENT, JHAJJAR
E-mail :- chemistjjr@gmail.com

Test Report

Test Report No. :- CH-619/2023	ULR No. :- TC-93522300000614F
Issue To :- PHESD No. 1, Beri	Issue Date : 31.10.2023
Memo No. :- 1783	Sample Description :- Drinking Water
Sample Type :- Chemical Analysis	Sample Received on Date :- 27.10.2023
Sample Submitted by :- Sh. Rahul	
Sample Location :- WW Birdhana	Date of Analysis Started :- 30.10.2023
Sample Quantity :- 2 Litre	Date of Analysis Completed :- 30.10.2023

RESULTS

Sr. No.	Parameter	Protocol Used	Result	IS:10500-2012 (Second Revision) (RA-2018)		Unit
				Desirable Limit	Max. Permissible Limit (in absence better alternate source)	
1	Total Dissolved Solids(TDS) at 180°C	APHA2540 C	965	500	2000	mg/L
2	Total Hardness as $CaCO_3$	APHA2340 C	432.98	200	600	mg/L
3	Calcium (as Ca)	APHA3500-Ca B	41.32	75	200	mg/L
4	Magnesium (as Mg)	APHA3500-Mg B	80.16	30	100	mg/L
5	Chloride (as Cl)	APHA4500-Cl B	313.38	250	1000	mg/L
6	Total Alkalinity as $CaCo_3$	APHA 2320 B	119.6	200	600	mg/L
7	Turbidity	APHA 2130 B	Less than 1	1	5	NTU
8	Colour	IS-3025 (Part 4)	4	5	15	Hz
9	pH at 25°C	APHA 4500-H+B	7.77	6.5-8.5	Not relaxation	-
10	Odour	IS-3025 (Part 5)	Agreeable	Agreeable	Agreeable	-
11	Taste	IS-3025(Part 8)	Agreeable	Agreeable	Agreeable	

Note :-

1 The result given above are related to the sample as received and tested in PHED Lab, JHAJJAR. Reliability of sample lies with the sender.
2 The test report can't be regenerated/re-produced in whole or in part without written permission of Laboratory.
3 The test report can't be used for any publicity or any legal purpose.
4 The test samples meant for chemical analysis will be disposed off after 15 days from the date of issue of test report unless untill specifically requested by the customer for retaining over a longer period.
5 Sample is not drawn by laboratory.

Sample analyzed by : Ashwani Kumar

-Sd-
Authorized Signatory/Chemist
PHED Water Testing Laboratory,
Jhajjar

----------END OF TEST REPORT----------

Superintending Engineer
Public Health Engg. Circle
JHAJJAR

अनुलग्नक-'ङ'

Annexure-E

WATER TESTING LABORATORY PUBLIC HEALTH ENGINEERING DEPARTMENT, JHAJJAR
E-mail :- chemistjjr@gmail.com

Test Report

Test Report No. :- CH-799/2023	ULR No. :- TC-93522300000794F
Issue To :- PHESD No. 5, Jhajjar	Issue Date : 11.12.2023
Memo No. :- 2041	Sample Description :- Drinking Water
Sample Type :- Chemical Analysis	Sample Received on Date :- 11.12.2023
Sample Submitted by :- Sh. Sandeep	
Sample Location :- W/W **Mohanbari (newly constructed WW)**	Date of Analysis Started :- 11.12.2023
Sample Quantity :- 2 Litre	Date of Analysis Completed :- 11.12.2023

RESULTS

Sr. No.	Parameter	Protocol Used	Result	IS:10500-2012 (Second Revision) (RA-2018)		Unit
				Desirable Limit	Max. Permissible Limit (in absence better alternate source)	
1	Total Dissolved Solids(TDS) at 180°C	APHA2540 C	170	500	2000	mg/L
2	Total Hardness as $CaCO_3$	APHA2340 C	144.33	200	600	mg/L
3	Calcium (as Ca)	APHA3500-Ca B	42.97	75	200	mg/L
4	Magnesium (as Mg)	APHA3500-Mg B	9.02	30	100	mg/L
5	Chloride (as Cl)	APHA4500-Cl B	5.53	250	1000	mg/L
6	Total Alkalinity as $CaCo_3$	APHA 2320 B	80.5	200	600	mg/L
7	Turbidity	APHA 2130 B	3.61	1	5	NTU
8	Colour	IS-3025 (Part 4)	1	5	15	Hz
9	pH at 25°C	APHA 4500-H*B	7.8	6.5-8.5	Not relaxation	-
10	Odour	IS-3025 (Part 5)	Agreeable	Agreeable	Agreeable	-
11	Taste	IS-3025(Part 8)	Agreeable	Agreeable	Agreeable	

Note :-

1. The result given above are related to the sample as received and tested in PHED Lab, JHAJJAR. Reliability of sample lies with the sender.
2. The test report can't be regenerated/re-produced in whole or in part without written permission of Labority.
3. The test report can't be used for any publicity or any legal purpose.
4. The test samples meant for chemical analysis will be disposed off after 15 days from the date of issue of test report unless untill specifically requested by the customer for retaining over a longer period.
5. Sample is not drawn by laboratory.

-Sd-
Authorized Signatory/Chemist
PHED Water Testing Labority,
Jhajjar

----------END OF TEST REPORT----------

Superintending Engineer
Public Health Engg. Circle
JHAJJAR

अनुलग्नक :-च'

Annexure - F

WATER TESTING LABORATORY PUBLIC HEALTH ENGINEERING DEPARTMENT, JHAJJAR
E-mail :- chemistjjr@gmail.com

Test Report

Test Report No. :- CH-138/2023	ULR No. :- TC-93522300000133F
Issue To :- PHESD No. 2, Jhajjar	Issue Date : 07.04.2023
Memo No. :-339	Sample Description :- Drinking Water
Sample Type :- Chemical Analysis	Sample Received on Date :- 28.03.2023
Sample Submitted by :- Sh. Umed	
Sample Location :- **Water Works Jhamri**	Date of Analysis Started :- 03.04.2023
Sample Quantity :- 2 Litre	Date of Analysis Completed :- 03.04.2023

RESULTS

Sr. No.	Parameter	Protocol Used	Result	IS:10500-2012 (Second Revision) (RA-2018)		Unit
				Desirable Limit	Max. Permissible Limit (in absence better alternate source)	
1	Total Dissolved Solids(TDS) at 180°C	APHA2540 C	769	500	2000	mg/L
2	Total Hardness as $CaCO_3$	APHA2340 C	274.75	200	600	mg/L
3	Calcium (as Ca)	APHA3500-Ca B	80.97	75	200	mg/L
4	Magnesium (as Mg)	APHA3500-Mg B	17.67	30	100	mg/L
5	Chloride (as Cl)	APHA4500-Cl B	182.64	250	1000	mg/L
6	Total Alkalinity as $CaCo_3$	APHA 2320 B	239.73	200	600	mg/L
7	Turbidity	APHA 2130 B	1.30	1	5	NTU
8	Colour	IS-3025 (Part 4)	3	5	15	Hz
9	pH at 25°C	APHA 4500-H+B	7.30	6.5-8.5	Not relaxation	-
10	Odour	IS-3025 (Part 5)	Agreeable	Agreeable	Agreeable	-
11	Taste	IS-3025(Part 8)	Agreeable	Agreeable	Agreeable	

Note :-

1. The result given above are related to the sample as received and tested in PHED Lab, JHAJJAR. Reliability of sample lies with the sender.
2. The test report can't be regenerated/re-produced in whole or in part without written permission of Laboratory.
3. The test report can't be used for any publicity or any legal purpose.
4. The test samples meant for chemical analysis will be disposed off after 15 days from the date of issue of test report unless untill specifically requested by the customer for retaining over a longer period.
5. Sample is not drawn by laboratory.

Sample analyzed by : Ashwani Kumar

-Sd-
Authorized Signatory/Chemist
PHED Water Testing Laboratory,
Jhajjar

----------END OF TEST REPORT----------

Superintending Engineer
Public Health Engg. Circle
JHAJJAR

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Annexure-G

WATER TESTING LABORATORY PUBLIC HEALTH ENGINEERING DEPARTMENT, JHAJJAR
E-mail :- chemistjjr@gmail.com

Test Report

Test Report No. :- CH-584/2023	ULR No. :- TC-93522300000579F
Issue To :- PHESD No. 5, Jhajjar	Issue Date : 18.10.2023
Memo No. :- 1735	Sample Description :- Drinking Water
Sample Type :- Chemical Analysis	Sample Received on Date :- 12.10.2023
Sample Submitted by :- Sh. Mahesh	
Sample Location :- **W/W Kaliawas**	Date of Analysis Started :- 16.10.2023
Sample Quantity :- 2 Litre	Date of Analysis Completed :- 16.10.2023

RESULTS

Sr. No.	Parameter	Protocol Used	Result	IS:10500-2012 (Second Revision) (RA-2018)		Unit
				Desirable Limit	Max. Permissible Limit (in absence better alternate source)	
1	Total Dissolved Solids(TDS) at 180°C	APHA2540 C	305	500	2000	mg/L
2	Total Hardness as $CaCO_3$	APHA2340 C	197.93	200	600	mg/L
3	Calcium (as Ca)	APHA3500-Ca B	16.53	75	200	mg/L
4	Magnesium (as Mg)	APHA3500-Mg B	27.05	30	100	mg/L
5	Chloride (as Cl)	APHA4500-Cl B	49.77	250	1000	mg/L
6	Total Alkalinity as $CaCo_3$	APHA 2320 B	72.45	200	600	mg/L
7	Turbidity	APHA 2130 B	2.65	1	5	NTU
8	Colour	IS-3025 (Part 4)	2	5	15	Hz
9	pH at 25°C	APHA 4500-H⁺B	7.33	6.5-8.5	Not relaxation	-
10	Odour	IS-3025 (Part 5)	Agreeable	Agreeable	Agreeable	-
11	Taste	IS-3025(Part 8)	Agreeable	Agreeable	Agreeable	

Note :-

1 The result given above are related to the sample as received and tested in PHED Lab, JHAJJAR. Reliability of sample lies with the sender.
2 The test report can't be regenerated/re-produced in whole or in part without written permission of Labority.
3 The test report can't be used for any publicity or any legal purpose.
4 The test samples meant for chemical analysis will be disposed off after 15 days from the date of issue of test report unless untill specifically requested by the customer for retaining over a longer period.
5 Sample is not drawn by laboratory.

Sample analyzed by : Ashwani Kumar

(Sonia)
Authorized Signatory/Chemist
PHED Water Testing Labority,
Jhajjar

----------END OF TEST REPORT----------

Superintending Engineer
Public Health Engg. Circle
JHAJJAR

अनुलग्नक-'ज'

Annexure - H

WATER TESTING LABORATORY PUBLIC HEALTH ENGINEERING DEPARTMENT, JHAJJAR
E-mail :- chemistjjr@gmail.com

Test Report

Test Report No. :- CH-77/2023	ULR No. :- TC-93522300000072F
Issue To :- PHESD No. 2, Jhajjar	Issue Date : 05.04.2023
Memo No. :-277	Sample Description :- Drinking Water
Sample Type :- Chemical Analysis	Sample Received on Date :- 21.03.2023
Sample Submitted by :- Sh. Sandeep	
Sample Location :- **WW Ladain (Supply to Birar Booster)**	Date of Analysis Started :- 21.03.2023
Sample Quantity :- 2 Litre	Date of Analysis Completed :- 21.03.2023

RESULTS

Sr. No.	Parameter	Protocol Used	Result	IS:10500-2012 (Second Revision) (RA-2018)		Unit
				Desirable Limit	Max. Permissible Limit (in absence better alternate source)	
1	Total Dissolved Solids(TDS) at 180°C	APHA2540 C	176	500	2000	mg/L
2	Total Hardness as $CaCO_3$	APHA2340 C	113.13	200	600	mg/L
3	Calcium (as Ca)	APHA3500-Ca B	17.81	75	200	mg/L
4	Magnesium (as Mg)	APHA3500-Mg B	16.69	30	100	mg/L
5	Chloride (as Cl)	APHA4500-Cl B	5.96	250	1000	mg/L
6	Total Alkalinity as $CaCo_3$	APHA 2320 B	82.51	200	600	mg/L
7	Turbidity	APHA 2130 B	Less than 1	1	5	NTU
8	Colour	IS-3025 (Part 4)	1	5	15	Hz
9	pH at 25°C	APHA 4500-H+B	6.94	6.5-8.5	Not relaxation	-
10	Odour	IS-3025 (Part 5)	Agreeable	Agreeable	Agreeable	-
11	Taste	IS-3025(Part 8)	Agreeable	Agreeable	Agreeable	

Note :-

1 The result given above are related to the sample as received and tested in PHED Lab, JHAJJAR. Reliability of sample lies with the sender.
2 The test report can't be regenerated/re-produced in whole or in part without written permission of Laboratory.
3 The test report can't be used for any publicity or any legal purpose.
4 The test samples meant for chemical analysis will be disposed off after 15 days from the date of issue of test report unless untill specifically requested by the customer for retaining over a longer period.
5 Sample is not drawn by laboratory.

Sample analyzed by : Ashwani Kumar

-Sd-
Authorized Signatory/Chemist
PHED Water Testing Laboratory,
Jhajjar

----------END OF TEST REPORT----------

Superintending Engineer
Public Health Engg. Circle
JHAJJAR

Annexure-I

Detail of works for construction of new water works/ boosting station/ strengthening of distribution system/ arrangement of raw water through pumping etc. which are in progress in Jhajjar Constituency.

(Rs. in lakh)

Sr. No.	Name of Scheme	Name of Villages Covered	Estimated cost	Expenditure Upto November 2023	% work done	Likely Date of completion
1	**BAHU:-** Estimate for Augmentation Water Supply scheme by Providing Boosting Station, FHTC, Renovation is structures of waterworks, under JAL JEEVAN MISSION(JJM).	Bahu	397.65	290.99	60 % Work Completed	31.03.2024
2	**DADRI TOE-** Estimate for Providing FHTC, laying of balance 4` pipeline and washing/ cleaning filter media under JAL JEEVAN MISSION(JJM)	Dadri Toe	39.30	8.64	90 % Work Completed	31.03.2024
3	**Dhani Salahawas-** Estimate for Providing functional household tap connection under the JAL JEEVAN MISSION (JJM) in village Dhani Salhawas	Dhani Salhawas	17.88	6.55	90 % Work Completed	31.03.2024
4	**GORIA-** Estimate for Providing FHTC and laying of 4" DI pipeline under the JAL JEEVAN MISSION(JJM)	Goria	50.85	35.38	95 % Work Completed	31.03.2024
5	**GWALISON**- Estimate for Providing FHTC connection and laying of balance/ strengthening of pipeline under JAL JEEVAN MISSION(JJM)	Gwalison	68.16	53.56	90 % Work Completed	31.03.2024
6	**KHORDA-** Estimate for Providing FHTC laying of 4" DI pipeline , Providing and Fixing Floating Arms under JAL JEEVAN MISSION(JJM)	Khorda	30.94	8.95	95 % Work Completed	31.03.2024
7	**KOYALPUR-** Estimate for Providing functional household tap connection laying of 4" DI pipeline under JAL JEEVAN MISSION(JJM)	Koyalpur	32.30	15.91	90 % Work Completed	31.03.2024
8	**Salhawas-** Estimate for Providing FHTC and laying of balance 4" pipeline under JAL JEEVAN MISSION(JJM)	Salhawas	77.30	40.67	80 % Work Completed	31.03.2024
9	**SUNDREHTI-** Estimate for Providing functional household tap connection laying of 4" DI pipeline under the JAL JEEVAN MISSION(JJM)	Sundreheti	100.59	68.56	60 % Work Completed	31.03.2024

Sr. No.	Name of Scheme	Name of Villages Covered	Estimated cost	Expenditure Upto November 2023	% work done	Likely Date of completion
10	**KABLANA-** Estimate for Providing functional household Tap connection and laying of balance 4" and 6" i/d D.I. pipe line.	KABLANA-	72.00	9.32	70% work completed	31.03.2024
11	**AKHERI MADANPUR**- Estimate for Repair of structures and Providing FHTC and laying of pipe line under the JAL JEEVAN MISSION(JJM).	AKHERI MADANPUR	285.05	257.00	90% work completed	31.12.2023
12	**Azad Nagar-** Estimate for Repair of structures and Providing FHTC and laying of pipe line under the Jal Jeevan Mission(JJM)	Azad nagar-	51.50	39.98	90% work completed	31.12.2023
13	**Bhadani**-Estimate for FHTC and laying of pipe line under JAL JEEVAN MISSION(JJM)(JJM)	Bhadani-	163.67	121.94	95% work completed	31.12.2023
14	**Bhurawas-** Independent canal based Water Works	Bhurawas	212.41	128.79	70% work completed	31.05.2024
15	**Birohar-** Estimate for Providing FHTC and laying of pipe line under JAL JEEVAN MISSION(JJM)	Birohar	92.75	75.25	90% work completed	31.12.2023
16	**DHANA**- Estimate for Repair of structures and Providing FHTC and laying of pipe line under the JAL JEEVAN MISSION(JJM).	Dhana	52.61	30.57	98% work completed	31.01.2024
17	**DHANIRWAS**- Estimate for providing functional household tap connection and laying of pipeline under JAL JEEVAN MISSION(JJM)	Dhanirwas-	55.14	3.74	98% work completed	31.01.2024
18	**DHOUR-**Estimate for Providing FHTC and laying of pipe line under the JAL JEEVAN MISSION(JJM) in village Nilaheri.	Dhour	99.65	43.21	85% work completed	31.01.2024
19	**GUDHA**- Estimate for Providing FHTC and laying of pipe line under the JAL JEEVAN MISSION(JJM) in village Gudha Nilaheri	Gudha	179.38	170.90	85% work completed	31.03.2024
20	**ISLAMGARH-**Estimate for Construction of Boosting Station Construction of 1No. additional S/S tank, 4 Nos. fitter bed, pumping Machinery FHTC JAL JEEVAN MISSION(JJM)	ISLAMGARH	356.25	129.22	85% work completed	31.03.2024
21	**JAMALPUR-** Estimate for Repair of structures and Providing FHTC and laying of pipe line under the JAL JEEVAN MISSION(JJM)	JAMALPUR-	72.85	44.97	95% work completed	31.01.2024

Sr. No.	Name of Scheme	Name of Villages Covered	Estimated cost	Expenditure Upto November 2023	% work done	Likely Date of completion
22	**JONDHI-** Estimate for Repair of structures and Prov. FHTC and laying of pipe line under the JAL JEEVAN MISSION(JJM)	Jondhi	85.00	79.33	95% work completed	31.01.2024
23	**KHATIWAS** - Estimate for Repair of structures and Providing FHTC and laying of pipe line under the JAL JEEVAN MISSION(JJM)	Khatiwas	205.06	118.45	95% work completed	31.12.2023
24	**KHATIWAS, KHERI KHUMAR AND TALAO**- Estimate for getting raw water by pumping from JLN canal by Providing DI rising main(Vidhan Sabha Matter)	Khatiwas, Kheri Khumar and Talao-	747.25	2.44	10% work completed	30.06.2024
25	**KHERI ASRA**- Estimate for Providing FHTC and laying of pipe line under the JAL JEEVAN MISSION(JJM) in village Nilaheri	KHERI ASRA-	86.40	78.30	95% work completed	31.12.2023
26	**LADAIN-** Estimate for Construction of MPS, Repair of structures and Providing FHTC and laying of pipe line under the JAL JEEVAN MISSION(JJM)	LADAIN	324.65	199.98	70% Work Completed	31.12.2023
27	**MATANHAIL-** Estimate for Upgradation of W/W Repair of structures and Providing FHTC and laying of pipe line under the JAL JEEVAN MISSION(JJM)	MATANHAIL-	204.60	166.15	80% Work Completed	31.12.2023
28	**MEHRANA -** Estimate for Repair of structures and Providing FHTC and laying of pipe line under the JAL JEEVAN MISSION(JJM)	MEHRANA	171.50	8.55	10% Work Completed	31.12.2024
29	**SURAKHPUR**- Estimate for Construction of Independent W/W and Providing FHTC Laying of pipe line under JAL JEEVAN MISSION (JJM)	SURAKHPUR	400.30	175.76	60% Work Completed	31.12.2023
	Total		**4732.99**	**2413.06**		

Annexure-J

Detail of works of Urban Sewerage which are in progress in Jhajjar Constituency

(Rs. In lakh)

Sr. No	Name of Work	Name of Town benefitted	Estimated Cost/Administratively Approved Cost	Expenditure upto November 2023	% Work done	Likely date of completion
1	**Jhajjar**-Up-gradation of existing 5.5 and 5 MLD STPs (MBBR tech) followed by TT and chlorination alongwith balance pipeline	Jhajjar Town	1099.79	476.76	70% Work Completed	31.05.2024
2	**Jhajjar Town**:- Estimate for Repair / Strengthening of existing Sewer line of (600 mm i/d) Near Bikaner Chowk to Yadav Dharamsala , Mata Gate to Sita Ram Gate , (700 mm i/d) Near Gaji Kamal Mandir to Community Centre and (900 mm i/d) Near Katcha Silani Road to STP 5.5 MLD and Yadav Dharamsala to Gurdwara Chowk , sewer line by using CIPP (cured in place pipe) Technology in Jhajjar Town and all other works contingent thereto.	Jhajjar Town	660.30	577.30	90% Work Completed	31.03.2024
		Total	**1760.09**	**1054.06**		

Annexure-K

Detail of works of Urban Storm Water which are in progress in Jhajjar Constituency

Sr. No	Name of Work	Name of Town benefitted	Estimated Cost/Administratively Approved Cost	Expenditure upto November 2023	% Work done	Likely date of completion
1	Jhajjar Town:- Estimate for upgradation of existing storm water disposal at various places in jhajjar town district jhajjar	Jhajjar	225.21	51.89	70% Work Completed	31.03.2024

स्वच्छ पेयजल की आपूर्ति करना

*56 **श्रीमती गीता भुक्कल (झज्जर) :**

क्या जन स्वास्थ्य अभियांत्रिकी मंत्री कृपया बताएंगे कि-

(क) क्या यह तथ्य है कि झज्जर विधान सभा निर्वाचनक्षेत्र के गांव बिरोहड़, नौगांवा, साल्हावास, बिरधाना, मोहनबाड़ी, झामरी, कालीवास और बिरड में स्वच्छ पेयजल की समस्या है; तथा

(ख) उपरोक्त गांवों में पर्याप्त स्वच्छ पेयजल की आपूर्ति कब तक किए जाने की संभावना है?

डा0 बनवारी लाल,
मंत्री, हरियाणा सरकार
जन स्वास्थ्य अभियान्त्रिकी विभाग

महोदय, इन सभी गांवों को 70 लीटर प्रति व्यक्ति प्रति दिन (एल. पी. सी. डी.) की दर के साथ स्वच्छ पीने के पानी की आपूर्ति की जा रही है। इसके अतिरिक्त, जल जीवन मिशन के अन्तर्गत बिरोहड़ में 92.75 लाख रूपये, नोगांवा में 31.10 लाख रूपये, साल्हावास में 77.30 लाख रूपये और बिरधाना में 136.89 लाख रूपये के कार्य चल रहे है और 30.03.2024 तक कार्य पूरा होने की संभावना है। इसके अतिरिक्त गांव मोहनबाड़ी, झामरी, कालीवास और बिरड में स्वच्छ पेयजल की आपूर्ति की जा रही है, यद्यपि जनता की मांग पर गांव बिरड के लिए एक स्वतंत्र नहर आधारित जल घर विचाराधीन है।

श्रीमती गीता भुक्कल (झज्जर) द्वारा पूछे गए तारांकित विधानसभा प्रश्न संख्या *56 के संबंध में माननीय जन स्वास्थ्य अभियान्त्रिकी मंत्रीं के पैड हेतु नोट।

गांवों में पेयजल की स्थिति इस प्रकार है:-

बिरोहड़

ग्राम बिरोहड़ की वर्तमान जनसंख्या 7981 है। गांव में जल आपूर्ति 70 लीटर प्रति व्यक्ति प्रति दिन की दर से नहर आधारित जल आपूर्ति योजना के माध्यम से प्रदान की जा रही है। पर्याप्त प्रैशर से पानी पहुंचाने के लिए गांव में एक बूस्टिंग स्टेशन का भी निर्माण किया गया है। मौजूदा नहर आधारित जल आपूर्ति योजना संतोषजनक कार्य कर रही है और स्वच्छ पीने के पानी की आपूर्ति की जा रही है। पीने योग्य पानी के सैम्पल की रिर्पोट **अनुलग्नक-क** पर है।

इसके अतिरिक्त जल वितरण प्रणाली को मजबूत करने एवं कार्यात्मक घरेलू नल कनैक्शन प्रदान करने के लिए जल जीवन मिशन के अन्तर्गत एक प्राकलन जिसकी अनुमानित राशि 92.75 लाख रूपये है जिसकी स्वीकृती प्रदान की गई है। इस अनुमान के अन्तर्गत कार्य 31.03.2024 तक पूरा होने की संभावना है।

गर्मी के मौसम में कच्चे पानी की कमी को दूर करने के लिए बधवाना डिस्ट्रीब्यूटरी से कच्चा पानी के उठान (लिफटिंग) का एक प्राकलन विचाराधीन है। जिसकी अनुमानित लागत 670.00 लाख रूपये है। प्राकलन को प्रशासनिक मंजूरी मिलने और पर्याप्त कच्चे पानी की उपलब्धता के आधार पर काम शुरू किया जाएगा।

नौगांवा

ग्राम नौगांवा की वर्तमान जनसंख्या 3423 है। गांव में जलघर द्वारा नहर आधारित जल आपूर्ति योजना के माध्यम से गांव में पेयजल आपूर्ति प्रदान की जा रही है। इसके अतिरिक्त नहरी पानी की पूर्ति के लिए ग्राम नौगांवा में एक टयूबवैल भी लगाया गया है तथा वर्तमान पेयजल स्तर 70 लीटर प्रति व्यक्ति प्रति दिन की दर से गांव में स्वच्छ पेयजल की आपूर्ति की जा रही है जिसकी पुष्टि **अनुलग्नक-ख** में सलंग्न जल परीक्षण रिर्पोट में की गई है।

इसके अतिरिक्त जल जीवन मिशन के अन्तर्गत जल वितरण प्रणाली को मजबूत करने, कार्यात्मक घरेलू नल कनैक्शन प्रदान करने के लिए 31.10 लाख रूपये की राशि का एक प्राकलन स्वीकृत किया गया है। इस प्राकलन के अन्तर्गत कार्य 31.03.2024 तक पूरा होने की सभांवना है।

दीर्धकालिन समाधान के रूप में, ग्राम नौगांवा में स्वतंत्र नहर आधारित जल घर उपलब्ध कराने का प्रस्ताव विचाराधीन है, जिसके लिए गांव की ग्राम पंचायत द्वारा लगातार मांग की जा रही है।

साल्हावास

ग्राम साल्हावास की वर्तमान जनसंख्या 7393 है। साल्हावास गांव में पेयजल आपूर्ति नहर आधारित जल योजना के माध्यम से प्रदान की जा रही है, जिसे वर्ष 2016 के दौरान 70 लीटर प्रति व्यक्ति प्रति दिन की दर के साथ चालू किया गया था। पीने के पानी की

गुणवता का नियमित आधार पर परीक्षण किया जाता है और परीक्षण रिपोर्ट की एक प्रति **अनुलग्नक-ग** के रूप में सलंग्न है जो गांव साल्हावास को स्वच्छ पीने के पानी की आपूर्ति की पुष्टि करती है।

इसके अतिरिक्त, जल जीवन मिशन के अन्तर्गत जल वितरण प्रणाली को मजबूत करने, कार्यात्मक घरेलू नल कनैक्शन प्रदान करने के लिए 77.30 लाख रूपये की राशि का एक प्राकलन स्वीकृत किया गया है। इस प्राकलन के अन्तर्गत कार्य 31.03.2024 तक पूरा होने की सम्भावना है।

बिरधाना

गांव बिरधाना की वर्तमान जनसंख्या 6424 है। गांव में पीने के पानी की आपूर्ति नहर आधारित जल आपूर्ति योजना के माध्यम से प्रदान की जा रही है जिसे वर्ष 1983 के दौरान 70 लीटर प्रति व्यक्ति प्रति दिन की दर के साथ चालू किया गया था। मौजूदा नहर आधारित जलापूर्ति योजना सुचारू रूप से चल रही है और पानी के प्रैशर में समरूपता बनाए रखने के लिए गांव में एक बूस्टिंग स्टेशन भी कार्यरत है। गांव में स्वच्छ पेयजल की आपूर्ति की जा रही है जिसकी पुष्टि **अनुलग्नक-घ** में सलंग्न जल परीक्षण रिर्पोट में की गई है।

इसके अतिरिक्त, जल जीवन मिशन के अन्तर्गत जल वितरण प्रणाली को मजबूत करने, कार्यात्मक घरेलू नल कनैक्शन प्रदान करने के लिए 136.89 लाख रूपये की राशि का एक प्राकलन स्वीकृत किया गया है। इस प्राकलन के अन्तर्गत कार्य 31.03.2024 तक पूरा होने की सम्भावना है।

मोहनबाडी

ग्राम मोहनबाडी की वर्तमान जनसंख्या 1623 है। गांव में पीने के पानी की आपूर्ति नहर आधारित जल आपूर्ति योजना के माध्यम से प्रदान की जा रही है जिसको चालू वित्तीय वर्ष के दौरान नवम्बर माह में 134.25 लाख रूपये की लागत से चालू किया गया है। ग्राम मोहनबाडी का वर्तमान पेयजल आपूर्ति स्तर 70 लीटर प्रति व्यक्ति प्रति दिन है। पीने के पानी की गुणवता का नियमित आधार पर परीक्षण किया जाता है और परीक्षण रिर्पोट की एक प्रति **अनुलग्नक-ड़** में सलंग्न जल परीक्षण रिर्पोट में की गई है।

झामरी

ग्राम झामरी की वर्तमान जनसंख्या 2894 है। गांव में पीने के पानी की आपूर्ति नहर आधारित जल आपूर्ति योजना के माध्यम से प्रदान की जा रही है जिसे 2018 के दौरान 70 लीटर प्रति व्यक्ति प्रति दिन की दर के साथ चालू किया गया था। गांव में स्वच्छ पेयजल आपूर्ति की जा रही है जिसकी पुष्टि **अनुलग्नक-च** में सलंग्न जल परीक्षण रिर्पोट में की गई है।

जलघर पर मौजूदा भंडारण क्षमता को बढाने के लिए, एक आर.सी.सी. भंडारण और अवसादन टैंक (एस एण्ड एस टैक) के निर्माण का प्रस्ताव विचाराधीन है जिस की

प्रशासनिक स्वीकृति प्राप्त होने के बाद और पर्याप्त कच्चे पानी की उपलब्धता के आधार पर कार्य शुरू किया जाऐगा।

कालियावास

ग्राम कालियावास की वर्तमान जनसंख्या 2158 है। गांव में पीने के पानी की आपूर्ति नहर आधारित जल आपूर्ति योजना के माध्यम से प्रदान की जा रही है जिसे 2014 के दौरान 70 लीटर प्रति व्यक्ति प्रति दिन की दर के साथ चालू किया गया था। पीने के पानी की गुणवता का नियमित आधार पर परीक्षण किया जाता है जिसकी पुष्टि **अनुलग्नक-छ** में सलंग्न जल परीक्षण रिर्पोट में की गई है।

बिरड़

ग्राम बिरड़ की वर्तमान जनसंख्या 2728 है। ग्राम लडायन स्थित जलघर से नहर आधारित जलापूर्ति योजना लडायन के माध्यम से पेयजल आपूर्ति की जा रही है। इसके अतिरिक्त, गांव बिरड में एक टयूबवैल के माध्यम से भी नहर के पानी की आपूर्ति की जाती है। पर्याप्त प्रैशर से पानी सुनिश्चित करने के लिए गांव में एक बुस्टिंग स्टेशन भी कार्यरत है। वर्तमान में गांव में पेयजल आपूर्ति 70 लीटर प्रति व्यक्ति प्रति दिन की दर से बनाई रखी जा रही है गांव में स्वच्छ पानी की आपूर्ति की जा रही है और तथ्य **अनुलग्नंक-ज** के रूप में सलंग्न जल परीक्षण रिपोर्ट से प्रमाणित होता है।

वर्तमान व्यवस्था मे ग्राम बिरड मे पेयजल की संतोषजनक आपूर्ति के बावजूद, ग्राम पंचायत लगातार स्वतंत्र नहर आधारित जलघर की मांग कर रही है। ग्रामवासियों की मांग को पूरा करने के लिए, ग्राम बिरड में स्वतंत्र जल कार्यों के निर्माण का प्रस्ताव विचारधीन है, जो पर्याप्त कच्चे पानी की उपलब्धता के आधार पर ही पूरा हो पायेगा।

झज्जर निर्वाचन क्षेत्र की स्थिति

झज्जर विधानसभा क्षेत्र में 82 गांव हैं और इन गांवों मे 49 नहर आधारित जल परियोजनाओं और 44 टयूब्वैलों के माध्यम से पेयजल आपूर्ति की जा रही है। इन गांवों की जल आपूर्ति की स्थिति निम्नप्रकार है-

जल आपूर्ति की स्थिति (लीटर प्रति व्यक्ति प्रति दिन)	**गांवों की संख्या**
20 लीटर प्रति व्यक्ति प्रति दिन तक	0
21-29 लीटर प्रति व्यक्ति प्रति दिन तक	0
30-39 लीटर प्रति व्यक्ति प्रति दिन तक	0
40-55 लीटर प्रति व्यक्ति प्रति दिन तक	0
55-70 लीटर प्रति व्यक्ति प्रति दिन तक	0
70 लीटर प्रति व्यक्ति प्रति दिन और इससे ऊपर	82 गांव
कुल	**82 गांव**

झज्जर विधानसभा क्षेत्र के गांवों में पीने के पानी की कोई कमी नही है। नये जल घरों/बूस्टिंग स्टेशनों/वितरण प्रणाली को सुदृढ़ीकरण/पम्पिगं के माध्यम से कच्चे पानी की व्यवस्था आदि के 29 प्रमुख कार्य प्रगति पर हैं, जिन की अनुमानित लागत राशि **4732.99** लाख रूपये है जिसके अन्तर्गत अब तक **2413.06** लाख रूपये का व्यय किया गया है। योजनावार विवरण **अनुलग्ंनक-झ** में दिया गया है।

झज्जर शहर में जल आपूर्ति योजना की स्थिति

झज्जर निर्वाचन क्षेत्र में एक झज्जर शहर है। सतही स्रोत पर आधारित 3 जल घर हैं जिनकी रैपिड सैंडं टेक्नोलोजी से कुल उपचार क्षमता 16.62 मिलियन लीटर प्रतिदिन है (गुरूग्राम रोड पर 4.54 मिलियन लीटर प्रतिदिन क्षमता, तहसील रोड पर 4.54 मिलियन लीटर प्रतिदिन क्षमता एवं छारा रोड़ पर 7.54 मिलियन लीटर प्रतिदिन क्षमता) और झज्जर शहर में एक बूस्टिंग स्टेशन दिल्ली गेट पर मौजूद है। कुल जल आपूर्ति प्रणाली की लंबाई 178.76 किलोमीटर है। वर्तमान में झज्जर शहर में जल आपूर्ति का कोई कार्य नही चल रहा है।

झज्जर शहर में सीवरेज की स्थिति

झज्जर निर्वाचन क्षेत्र में एक झज्जर शहर है। एम.बी.बी.आर. टेक्नोलोजी पर आधारित 2 सीवेज ट्रीटमेंट प्लांट (एस.टी.पी.) (मल शोधन संयंत्र) का निर्माण किया गया है, जिन की कुल उपचार क्षमता 10.5 मिलियन लीटर प्रतिदिन और कुल सीवरेज प्रणाली 95.90 किलोमीटर है। झज्जर शहर में मौजूदा (एस.टी.पी.) (मल शोधन संयंत्र) और सीवरेज प्रणाली के बढावे के लिए 1760.09 लाख रूपये की अनुमानित लागत राशि के दो कार्य चल रहे हैं तथा इसके अन्तर्गत अब तक 1054.06 लाख रूपये का व्यय हो चुका है। जिसका विवरण **अनुलग्नक-ण** पर है।

झज्जर शहर में बरसाती पानी की निकासी की स्थिति

शहर में **बरसाती पानी** की निकासी के लिए 5 **बरसाती पानी** निपटान (डिस्पोजल) और सीवरेज प्रणाली हैं। झज्जर शहर में **बरसाती पानी** निकासी प्रणाली को मजबूत करने के लिए एक कार्य प्रगतिशील है जिस की अनुमानित लागत 225.14 लाख रूपये है। जिस के अन्तर्गत अब तक 51.89 लाख रूपये व्यय किए गये हैं। निर्वाचन क्षेत्र के झज्जर शहर में चल रहे शहरी सीवरेज एवं **बरसाती पानी** के निकास के कार्यों का विवरण **अनुलग्नक-त** पर है।

अनुलग्नक 'क'

Annexure - A

WATER TESTING LABORATORY PUBLIC HEALTH ENGINEERING DEPARTMENT, JHAJJAR

E-mail :- chemistjjr@gmail.com

Test Report

Test Report No. :- CH-677/2023	ULR No. :- TC-93522300000672F
Issue To :- PHESD No. 2, Jhajjar	Issue Date : 15.11.2023
Memo No. :- 1855	Sample Description :- Drinking Water
Sample Type :- Chemical Analysis	Sample Received on Date :- 08.11.2023
Sample Submitted by :- Sh. Umed	
Sample Location :- **WW Birohar**	Date of Analysis Started :- 09.11.2023
Sample Quantity :- 2 Litre	Date of Analysis Completed :- 09.11.2023

RESULTS

Sr. No.	Parameter	Protocol Used	Result	IS:10500-2012 (Second Revision) (RA-2018)		Unit
				Desirable Limit	Max. Permissible Limit (in absence better alternate source)	
1	Total Dissolved Solids(TDS) at 180°C	APHA2540 C	431	500	2000	mg/L
2	Total Hardness as $CaCO_3$	APHA2340 C	288.65	200	600	mg/L
3	Calcium (as Ca)	APHA3500-Ca B	62.80	75	200	mg/L
4	Magnesium (as Mg)	APHA3500-Mg B	32.06	30	100	mg/L
5	Chloride (as Cl)	APHA4500-Cl B	66.36	250	1000	mg/L
6	Total Alkalinity as $CaCo_3$	APHA 2320 B	113.85	200	600	mg/L
7	Turbidity	APHA 2130 B	Less than 1	1	5	NTU
8	Colour	IS-3025 (Part 4)	2	5	15	Hz
9	pH at 25°C	APHA 4500-H+B	7.41	6.5-8.5	Not relaxation	-
10	Odour	IS-3025 (Part 5)	Agreeable	Agreeable	Agreeable	-
11	Taste	IS-3025(Part 8)	Agreeable	Agreeable	Agreeable	

Note :-

1. The result given above are related to the sample as received and tested in PHED Lab, JHAJJAR. Reliability of sample lies with the sender.
2. The test report can't be regenerated/re-produced in whole or in part without written permission of Laboratory.
3. The test report can't be used for any publicity or any legal purpose.
4. The test samples meant for chemical analysis will be disposed off after 15 days from the date of issue of test report unless untill specifically requested by the customer for retaining over a longer period.
5. Sample is not drawn by laboratory.

-Sd-
Authorized Signatory/Chemist
PHED Water Testing Laboratory,
Jhajjar

----------END OF TEST REPORT----------

Superintending Engineer
Public Health Engg. Circle
JHAJJAR

अनुलग्नक-'ख'

Annexure - B

WATER TESTING LABORATORY PUBLIC HEALTH ENGINEERING DEPARTMENT, JHAJJAR

E-mail :- chemistjjr@gmail.com

Test Report

Test Report No. :- CH-344/2023	ULR No. :- TC-93522300000339F
Issue To :- PHESD No. 2, Jhajjar	Issue Date : 04.05.2023
Memo No. :- 601	Sample Description :- Drinking Water
Sample Type :- Chemical Analysis	Sample Received on Date :- 03.05.2023
Sample Submitted by :- Sh. Umed	
Sample Location :- TW Nogaowa 4	Date of Analysis Started :- 04.05.2023
Sample Quantity :- 2 Litre	Date of Analysis Completed :- 04.05.2023

RESULTS

Sr. No.	Parameter	Protocol Used	Result	IS:10500-2012 (Second Revision) (RA-2018)		Unit
				Desirable Limit	Max. Permissible Limit (in absence better alternate source)	
1	Total Dissolved Solids(TDS) at 180°C	APHA2540 C	1000	500	2000	mg/L
2	Total Hardness as $CaCO_3$	APHA2340 C	597.98	200	600	mg/L
3	Calcium (as Ca)	APHA3500-Ca B	102.02	75	200	mg/L
4	Magnesium (as Mg)	APHA3500-Mg B	83.45	30	100	mg/L
5	Chloride (as Cl)	APHA4500-Cl B	283.88	250	1000	mg/L
6	Total Alkalinity as $CaCo_3$	APHA 2320 B	224.12	200	600	mg/L
7	Turbidity	APHA 2130 B	2.19	1	5	NTU
8	Colour	IS-3025 (Part 4)	4	5	15	Hz
9	pH at 25°C	APHA 4500-H^+B	7.36	6.5-8.5	Not relaxation	-
10	Odour	IS-3025 (Part 5)	Agreeable	Agreeable	Agreeable	-
11	Taste	IS-3025(Part 8)	Agreeable	Agreeable	Agreeable	

Note :-

1. The result given above are related to the sample as received and tested in PHED Lab, JHAJJAR. Reliability of sample lies with the sender.
2. The test report can't be regenerated/re-produced in whole or in part without written permission of Laboratory.
3. The test report can't be used for any publicity or any legal purpose.
4. The test samples meant for chemical analysis will be disposed off after 15 days from the date of issue of test report unless untill specifically requested by the customer for retaining over a longer period.
5. Sample is not drawn by laboratory.

Sample analyzed by : Ashwani Kumar

-Sd-
Authorized Signatory/Chemist
PHED Water Testing Laboratory,
Jhajjar

----------END OF TEST REPORT----------

Superintending Engineer
Public Health Engg. Circle
JHAJJAR

अनुलग्नक 'ग'

Annexure-C

WATER TESTING LABORATORY PUBLIC HEALTH ENGINEERING DEPARTMENT, JHAJJAR
E-mail :- chemistjjr@gmail.com

Test Report

Test Report No. :- CH-547/2023	ULR No. :- TC-93522300000542F
Issue To :- PHESD No. 5, Jhajjar	Issue Date : 13.10.2023
Memo No. :- 1683	Sample Description :- Drinking Water
Sample Type :- Chemical Analysis	Sample Received on Date :- 06.10.2023
Sample Submitted by :- Sh. Mahesh	
Sample Location :- W/W **Salhawas 2013**	Date of Analysis Started :- 11.10.2023
Sample Quantity :- 2 Litre	Date of Analysis Completed :- 11.10.2023

RESULTS

Sr. No.	Parameter	Protocol Used	Result	IS:10500-2012 (Second Revision) (RA-2018)		Unit
				Desirable Limit	Max. Permissible Limit (in absence better alternate source)	
1	Total Dissolved Solids(TDS) at 180°C	APHA2540 C	160	500	2000	mg/L
2	Total Hardness as $CaCO_3$	APHA2340 C	111.34	200	600	mg/L
3	Calcium (as Ca)	APHA3500-Ca B	24.79	75	200	mg/L
4	Magnesium (as Mg)	APHA3500-Mg B	12.03	30	100	mg/L
5	Chloride (as Cl)	APHA4500-Cl B	16.59	250	1000	mg/L
6	Total Alkalinity as $CaCo_3$	APHA 2320 B	81.65	200	600	mg/L
7	Turbidity	APHA 2130 B	Less than 1	1	5	NTU
8	Colour	IS-3025 (Part 4)	1	5	15	Hz
9	pH at 25°C	APHA 4500-H+B	7.71	6.5-8.5	Not relaxation	-
10	Odour	IS-3025 (Part 5)	Agreeable	Agreeable	Agreeable	-
11	Taste	IS-3025(Part 8)	Agreeable	Agreeable	Agreeable	

Note :-

1 The result given above are related to the sample as received and tested in PHED Lab, JHAJJAR. Reliability of sample lies with the sender.
2 The test report can't be regenerated/re-produced in whole or in part without written permission of Laboratory.
3 The test report can't be used for any publicity or any legal purpose.
4 The test samples meant for chemical analysis will be disposed off after 15 days from the date of issue of test report unless untill specifically requested by the customer for retaining over a longer period.
5 Sample is not drawn by laboratory.

Sample analyzed by : Ashwani Kumar

-Sd-
Authorized Signatory/Chemist
PHED Water Testing Laboratory,
Jhajjar

----------END OF TEST REPORT----------

Superintending Engineer
Public Health Engg. Circle
JHAJJAR

अनुलग्नक-'घ'

Annexure - D

WATER TESTING LABORATORY PUBLIC HEALTH ENGINEERING DEPARTMENT, JHAJJAR
E-mail :- chemistjjr@gmail.com

Test Report

Test Report No. :- CH-619/2023	ULR No. :- TC-93522300000614F
Issue To :- PHESD No. 1, Beri	Issue Date : 31.10.2023
Memo No. :- 1783	Sample Description :- Drinking Water
Sample Type :- Chemical Analysis	Sample Received on Date :- 27.10.2023
Sample Submitted by :- Sh. Rahul	
Sample Location :- WW Birdhana	Date of Analysis Started :- 30.10.2023
Sample Quantity :- 2 Litre	Date of Analysis Completed :- 30.10.2023

RESULTS

Sr. No.	Parameter	Protocol Used	Result	IS:10500-2012 (Second Revision) (RA-2018)		Unit
				Desirable Limit	Max. Permissible Limit (in absence better alternate source)	
1	Total Dissolved Solids(TDS) at 180°C	APHA2540 C	965	500	2000	mg/L
2	Total Hardness as $CaCO_3$	APHA2340 C	432.98	200	600	mg/L
3	Calcium (as Ca)	APHA3500-Ca B	41.32	75	200	mg/L
4	Magnesium (as Mg)	APHA3500-Mg B	80.16	30	100	mg/L
5	Chloride (as Cl)	APHA4500-Cl B	313.38	250	1000	mg/L
6	Total Alkalinity as $CaCo_3$	APHA 2320 B	119.6	200	600	mg/L
7	Turbidity	APHA 2130 B	Less than 1	1	5	NTU
8	Colour	IS-3025 (Part 4)	4	5	15	Hz
9	pH at 25°C	APHA 4500-H+B	7.77	6.5-8.5	Not relaxation	-
10	Odour	IS-3025 (Part 5)	Agreeable	Agreeable	Agreeable	-
11	Taste	IS-3025(Part 8)	Agreeable	Agreeable	Agreeable	

Note :-

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3 The test report can't be used for any publicity or any legal purpose.
4 The test samples meant for chemical analysis will be disposed off after 15 days from the date of issue of test report unless untill specifically requested by the customer for retaining over a longer period.
5 Sample is not drawn by laboratory.

Sample analyzed by : Ashwani Kumar

-Sd-
Authorized Signatory/Chemist
PHED Water Testing Laboratory,
Jhajjar

----------END OF TEST REPORT----------

Superintending Engineer
Public Health Engg. Circle
JHAJJAR

अनुलग्नक-'ड'

Annexure-E

WATER TESTING LABORATORY PUBLIC HEALTH ENGINEERING DEPARTMENT, JHAJJAR
E-mail :- chemistjjr@gmail.com

Test Report

Test Report No. :- CH-799/2023	ULR No. :- TC-93522300000794F
Issue To :- PHESD No. 5, Jhajjar	Issue Date : 11.12.2023
Memo No. :- 2041	Sample Description :- Drinking Water
Sample Type :- Chemical Analysis	Sample Received on Date :- 11.12.2023
Sample Submitted by :- Sh. Sandeep	
Sample Location :- W/W **Mohanbari (newly constructed WW)**	Date of Analysis Started :- 11.12.2023
Sample Quantity :- 2 Litre	Date of Analysis Completed :- 11.12.2023

RESULTS

Sr. No.	Parameter	Protocol Used	Result	IS:10500-2012 (Second Revision) (RA-2018)		Unit
				Desirable Limit	Max. Permissible Limit (in absence better alternate source)	
1	Total Dissolved Solids(TDS) at 180°C	APHA2540 C	170	500	2000	mg/L
2	Total Hardness as $CaCO_3$	APHA2340 C	144.33	200	600	mg/L
3	Calcium (as Ca)	APHA3500-Ca B	42.97	75	200	mg/L
4	Magnesium (as Mg)	APHA3500-Mg B	9.02	30	100	mg/L
5	Chloride (as Cl)	APHA4500-Cl B	5.53	250	1000	mg/L
6	Total Alkalinity as $CaCo_3$	APHA 2320 B	80.5	200	600	mg/L
7	Turbidity	APHA 2130 B	3.61	1	5	NTU
8	Colour	IS-3025 (Part 4)	1	5	15	Hz
9	pH at 25°C	APHA 4500-H*B	7.8	6.5-8.5	Not relaxation	-
10	Odour	IS-3025 (Part 5)	Agreeable	Agreeable	Agreeable	-
11	Taste	IS-3025(Part 8)	Agreeable	Agreeable	Agreeable	

Note :-

1. The result given above are related to the sample as received and tested in PHED Lab, JHAJJAR. Reliability of sample lies with the sender.
2. The test report can't be regenerated/re-produced in whole or in part without written permission of Labority.
3. The test report can't be used for any publicity or any legal purpose.
4. The test samples meant for chemical analysis will be disposed off after 15 days from the date of issue of test report unless untill specifically requested by the customer for retaining over a longer period.
5. Sample is not drawn by laboratory.

-Sd-
Authorized Signatory/Chemist
PHED Water Testing Labority,
Jhajjar

----------END OF TEST REPORT----------

Superintending Engineer
Public Health Engg. Circle
JHAJJAR

अनुलग्नक :-च'

Annexure - F

WATER TESTING LABORATORY PUBLIC HEALTH ENGINEERING DEPARTMENT, JHAJJAR
E-mail :- chemistjjr@gmail.com

Test Report

Test Report No. :- CH-138/2023	ULR No. :- TC-93522300000133F
Issue To :- PHESD No. 2, Jhajjar	Issue Date : 07.04.2023
Memo No. :-339	Sample Description :- Drinking Water
Sample Type :- Chemical Analysis	Sample Received on Date :- 28.03.2023
Sample Submitted by :- Sh. Umed	
Sample Location :- **Water Works Jhamri**	Date of Analysis Started :- 03.04.2023
Sample Quantity :- 2 Litre	Date of Analysis Completed :- 03.04.2023

RESULTS

Sr. No.	Parameter	Protocol Used	Result	IS:10500-2012 (Second Revision) (RA-2018)		Unit
				Desirable Limit	Max. Permissible Limit (in absence better alternate source)	
1	Total Dissolved Solids(TDS) at 180°C	APHA2540 C	769	500	2000	mg/L
2	Total Hardness as $CaCO_3$	APHA2340 C	274.75	200	600	mg/L
3	Calcium (as Ca)	APHA3500-Ca B	80.97	75	200	mg/L
4	Magnesium (as Mg)	APHA3500-Mg B	17.67	30	100	mg/L
5	Chloride (as Cl)	APHA4500-Cl B	182.64	250	1000	mg/L
6	Total Alkalinity as $CaCo_3$	APHA 2320 B	239.73	200	600	mg/L
7	Turbidity	APHA 2130 B	1.30	1	5	NTU
8	Colour	IS-3025 (Part 4)	3	5	15	Hz
9	pH at 25°C	APHA 4500-H+B	7.30	6.5-8.5	Not relaxation	-
10	Odour	IS-3025 (Part 5)	Agreeable	Agreeable	Agreeable	-
11	Taste	IS-3025(Part 8)	Agreeable	Agreeable	Agreeable	

Note :-

1. The result given above are related to the sample as received and tested in PHED Lab, JHAJJAR. Reliability of sample lies with the sender.
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3. The test report can't be used for any publicity or any legal purpose.
4. The test samples meant for chemical analysis will be disposed off after 15 days from the date of issue of test report unless untill specifically requested by the customer for retaining over a longer period.
5. Sample is not drawn by laboratory.

Sample analyzed by : Ashwani Kumar

-Sd-
Authorized Signatory/Chemist
PHED Water Testing Laboratory,
Jhajjar

----------END OF TEST REPORT----------

Superintending Engineer
Public Health Engg. Circle
JHAJJAR

अनुलग्नक-'छ'

Annexure-G

WATER TESTING LABORATORY PUBLIC HEALTH ENGINEERING DEPARTMENT, JHAJJAR
E-mail :- chemistjjr@gmail.com

Test Report

Test Report No. :- CH-584/2023	ULR No. :- TC-93522300000579F
Issue To :- PHESD No. 5, Jhajjar	Issue Date : 18.10.2023
Memo No. :- 1735	Sample Description :- Drinking Water
Sample Type :- Chemical Analysis	Sample Received on Date :- 12.10.2023
Sample Submitted by :- Sh. Mahesh	
Sample Location :- **W/W Kaliawas**	Date of Analysis Started :- 16.10.2023
Sample Quantity :- 2 Litre	Date of Analysis Completed :- 16.10.2023

RESULTS

Sr. No.	Parameter	Protocol Used	Result	IS:10500-2012 (Second Revision) (RA-2018)		Unit
				Desirable Limit	Max. Permissible Limit (in absence better alternate source)	
1	Total Dissolved Solids(TDS) at 180°C	APHA2540 C	305	500	2000	mg/L
2	Total Hardness as $CaCO_3$	APHA2340 C	197.93	200	600	mg/L
3	Calcium (as Ca)	APHA3500-Ca B	16.53	75	200	mg/L
4	Magnesium (as Mg)	APHA3500-Mg B	27.05	30	100	mg/L
5	Chloride (as Cl)	APHA4500-Cl B	49.77	250	1000	mg/L
6	Total Alkalinity as $CaCo_3$	APHA 2320 B	72.45	200	600	mg/L
7	Turbidity	APHA 2130 B	2.65	1	5	NTU
8	Colour	IS-3025 (Part 4)	2	5	15	Hz
9	pH at 25°C	APHA 4500-H⁺B	7.33	6.5-8.5	Not relaxation	-
10	Odour	IS-3025 (Part 5)	Agreeable	Agreeable	Agreeable	-
11	Taste	IS-3025(Part 8)	Agreeable	Agreeable	Agreeable	

Note :-

1 The result given above are related to the sample as received and tested in PHED Lab, JHAJJAR. Reliability of sample lies with the sender.
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4 The test samples meant for chemical analysis will be disposed off after 15 days from the date of issue of test report unless untill specifically requested by the customer for retaining over a longer period.
5 Sample is not drawn by laboratory.

Sample analyzed by : Ashwani Kumar

(Sonia)
Authorized Signatory/Chemist
PHED Water Testing Laboratory,
Jhajjar

----------END OF TEST REPORT----------

Superintending Engineer
Public Health Engg. Circle
JHAJJAR

अनुलग्नक-'ज'

Annexure - H

WATER TESTING LABORATORY PUBLIC HEALTH ENGINEERING DEPARTMENT, JHAJJAR
E-mail :- chemistjjr@gmail.com

Test Report

Test Report No. :- CH-77/2023	ULR No. :- TC-93522300000072F
Issue To :- PHESD No. 2, Jhajjar	Issue Date : 05.04.2023
Memo No. :-277	Sample Description :- Drinking Water
Sample Type :- Chemical Analysis	Sample Received on Date :- 21.03.2023
Sample Submitted by :- Sh. Sandeep	
Sample Location :- **WW Ladain (Supply to Birar Booster)**	Date of Analysis Started :- 21.03.2023
Sample Quantity :- 2 Litre	Date of Analysis Completed :- 21.03.2023

RESULTS

Sr. No.	Parameter	Protocol Used	Result	IS:10500-2012 (Second Revision) (RA-2018)		Unit
				Desirable Limit	Max. Permissible Limit (in absence better alternate source)	
1	Total Dissolved Solids(TDS) at 180°C	APHA2540 C	176	500	2000	mg/L
2	Total Hardness as $CaCO_3$	APHA2340 C	113.13	200	600	mg/L
3	Calcium (as Ca)	APHA3500-Ca B	17.81	75	200	mg/L
4	Magnesium (as Mg)	APHA3500-Mg B	16.69	30	100	mg/L
5	Chloride (as Cl)	APHA4500-Cl B	5.96	250	1000	mg/L
6	Total Alkalinity as $CaCo_3$	APHA 2320 B	82.51	200	600	mg/L
7	Turbidity	APHA 2130 B	Less than 1	1	5	NTU
8	Colour	IS-3025 (Part 4)	1	5	15	Hz
9	pH at 25°C	APHA 4500-H+B	6.94	6.5-8.5	Not relaxation	-
10	Odour	IS-3025 (Part 5)	Agreeable	Agreeable	Agreeable	-
11	Taste	IS-3025(Part 8)	Agreeable	Agreeable	Agreeable	

Note :-

1 The result given above are related to the sample as received and tested in PHED Lab, JHAJJAR. Reliability of sample lies with the sender.
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5 Sample is not drawn by laboratory.

Sample analyzed by : Ashwani Kumar

-Sd-
Authorized Signatory/Chemist
PHED Water Testing Laboratory,
Jhajjar

----------END OF TEST REPORT----------

Superintending Engineer
Public Health Engg. Circle
JHAJJAR

अनुलग्नक-झ

झज्जर निर्वाचन क्षेत्र में प्रगति पर चल रहे नए जल घरों/बूस्टिंग स्टेशनों/वितरण प्रणाली को मजबूत करने/पम्पिंग के माध्यम से कच्चे पानी की व्यवस्था आदि के कार्यों का विवरण।

(रूपये लाखों में**)**

क्रं संख्या	योजना का नाम	शामिल हुए गांवों के नाम	अनुमानित लागत	नवंबर तक किया गया खर्च	कितने प्रतिशत कार्य पूर्ण हुआ	कार्य पूर्ण होने की संभावित तिथि
1	**बाहु** - जल जीवन मिशन के अन्तर्गत बूस्टिंग स्टेशन कार्यात्मक घरेलू नल कनैक्शन सरंचनाओं का नवीनीकरण प्रदान करके जल आपूर्ति योजना में वृद्धि के लिए अनुमान।	बाहु	397.65	290.99	60 प्रतिशत कार्य पूर्ण हो चुका है।	31.03.2024
2	दादरी तोय - जल जीवन मिशन के अन्तर्गत **शेष** 4 ईंच साईज की पाईप लाईन बिछाने और वॉशिंग क्लीनिंग फिटर मीडिया को कार्यात्मक घरेलू नल कनैक्शन प्रदान करने के लिए अनुमान।	दादरी तोय	39.30	8.64	60 प्रतिशत कार्य पूर्ण हो चुका है।	31.03.2024
3	ढाणी साल्हावास - जल जीवन मिशन के अन्तर्गत कनैक्शन प्रदान करने का अनुमान।	ढाणी साल्हावास	17.88	6.55	60 प्रतिशत कार्य पूर्ण हो चुका है।	31.03.2024
4	गोरिया - जल जीवन मिशन के अन्तर्गत कार्यात्मक घरेलू नल कनैक्शन प्रदान करने और 4 ईंच साईज की डी आई पाईप लाईन बिछाने के लिए अनुमान।	गोरिया	50.85	35.38	60 प्रतिशत कार्य पूर्ण हो चुका है।	31.03.2024
5	गवालिसन - जल जीवन मिशन के अन्तर्गत कार्यात्मक घरेलू नल कनैक्शन प्रदान करने और पाईप लाईन को मजबूत करने के	गवालिसन	68.16	53.56	60 प्रतिशत कार्य पूर्ण हो चुका है।	31.03.2024

	लिए अनुमान।					
6	खोरडा - जल जीवन मिशन के अन्तर्गत 4 ईंच साईज की डी आई पाईप लाईन बिछाने, फलोटिंग आरम्स प्रदान करने और ठीक करने के लिए अनुमान।	खोरडा	30.94	8.95	60 प्रतिशत कार्य पूर्ण हो चुका है।	31.03.2024
7	कोयलपुर - जल जीवन मिशन के अन्तर्गत कार्यात्मक घरेलू नल कनैक्शन प्रदान करने और 4 ईंच साईज की डी आई पाईप लाईन बिछाने के लिए अनुमान।	कोयलपुर	32.30	15.91	60 प्रतिशत कार्य पूर्ण हो चुका है।	31.03.2024
8	साल्हावास - जल जीवन मिशन के अन्तर्गत कार्यात्मक घरेलू नल कनैक्शन प्रदान करने और 4 ईंच साईज की डी आई पाईप लाईन बिछाने के लिए अनुमान।	साल्हावास	77.30	40.67	60 प्रतिशत कार्य पूर्ण हो चुका है।	31.03.2024
9	सुन्दरेठी - जल जीवन मिशन के अन्तर्गत कार्यात्मक घरेलू नल कनैक्शन प्रदान करने और 4 ईंच साईज की डी आई पाईप लाईन बिछाने के लिए अनुमान।	सुन्दरेठी	100.59	68.56	60 प्रतिशत कार्य पूर्ण हो चुका है।	31.03.2024
10	कबलाना - जल जीवन मिशन के अन्तर्गत कार्यात्मक घरेलू नल कनैक्शन प्रदान करने और 4 और 6 ईंच साईज की डी आई पाईप लाईन बिछाने के लिए अनुमान।	कबलाना	72.00	9.32	60 प्रतिशत कार्य पूर्ण हो चुका है।	31.03.2024
11	अकेड़ी मदनपुर - जल जीवन मिशन के अन्तर्गत सरंचनाओं की मरम्मत और कार्यात्मक घरेलू नल कनैक्शन प्रदान करने और पाईप लाईन बिछाने के लिए अनुमान।	अकेड़ी मदनपुर	285.05	257.00	60 प्रतिशत कार्य पूर्ण हो चुका है।	31.12.2023
12	आजाद नगर - जल जीवन	आजाद	51.50	39.98	60 प्रतिशत	31.12.2023

	मिशन के अन्तर्गत सरंचनाओं की मरम्मत और कार्यात्मक घरेलू नल कनैक्शन प्रदान करने और पाईप लाईन बिछाने के लिए अनुमान।	नगर			कार्य पूर्ण हो चुका है।	
13	भड़ानी - जल जीवन मिशन के अन्तर्गत कार्यात्मक घरेलू नल कनैक्शन और पाईप लाईन बिछाने का अनुमान।	भड़ानी	163.67	121.94	60 प्रतिशत कार्य पूर्ण हो चुका है।	31.12.2023
14	भूरावास - नहर आधारित जल घर।	भूरावास	212.41	128.79	60 प्रतिशत कार्य पूर्ण हो चुका है।	31.05.2024
15	बीरहड़ - जल जीवन मिशन के अन्तर्गत कार्यात्मक घरेलू नल कनैक्शन और पाईप लाईन बिछाने का अनुमान।	बीरहड़	92.75	75.25	60 प्रतिशत कार्य पूर्ण हो चुका है।	31.12.2023
16	धाना - जल जीवन मिशन के अन्तर्गत सरंचनाओं की मरम्मत और कार्यात्मक घरेलू नल कनैक्शन प्रदान करने और पाईप लाईन बिछाने के लिए अनुमान।	धाना	52.61	30.57	60 प्रतिशत कार्य पूर्ण हो चुका है।	31.01.2024
17	धनीरवास़ - जल जीवन मिशन के अन्तर्गत कार्यात्मक घरेलू नल कनैक्शन और पाईप लाईन बिछाने का अनुमान।	धनीरवास	55.14	3.74	60 प्रतिशत कार्य पूर्ण हो चुका है।	31.01.2024
18	धौऱ - जल जीवन मिशन के अन्तर्गत कार्यात्मक घरेलू नल कनैक्शन और पाईप लाईन बिछाने का अनुमान।	धौर	99.65	43.21	60 प्रतिशत कार्य पूर्ण हो चुका है।	31.01.2024
19	गुढा - जल जीवन मिशन के अन्तर्गत कार्यात्मक घरेलू नल कनैक्शन और पाईप लाईन बिछाने का अनुमान।	गुढा	179.38	170.90	60 प्रतिशत कार्य पूर्ण हो चुका है।	31.03.2024
20	ईस्लामगढ़ - जल जीवन मिशन के अन्तर्गत एक नं0 बूस्टिंग	ईस्लामगढ़	356.25	129.22	60 प्रतिशत कार्य पूर्ण हो	31.03.2024

	स्टेशन के निर्माण के लिए अनुमान अतिरिक्त एस एण्ड एस टैंक, 4 नं0 फिटर बेड, पम्पिंग मषीनरी कार्यात्मक घरेलू नल कनैक्शन।				चुका है।	
21	जमालपुर - जल जीवन मिशन के अन्तर्गत सरंचनाओं की मरम्मत और कार्यात्मक घरेलू नल कनैक्शन प्रदान करने और पाईप लाईन बिछाने के लिए अनुमान।	जमालपुर	72.85	44.97	60 प्रतिशत कार्य पूर्ण हो चुका है।	31.01.2024
22	जोन्डी - जल जीवन मिशन के अन्तर्गत सरंचनाओं की मरम्मत और कार्यात्मक घरेलू नल कनैक्शन प्रदान करने और पाईप लाईन बिछाने के लिए अनुमान।	जोन्डी	85.00	79.33	60 प्रतिशत कार्य पूर्ण हो चुका है।	31.01.2024
23	खातीवास - जल जीवन मिशन के अन्तर्गत सरंचनाओं की मरम्मत और कार्यात्मक घरेलू नल कनैक्शन प्रदान करने और पाईप लाईन बिछाने के लिए अनुमान।	खातीवास	205.06	118.45	60 प्रतिशत कार्य पूर्ण हो चुका है।	31.12.2023
24	खातीवास, खेड़ी खुमार और तलाव - डी आई राइजिंग मेन प्रदान करके जवाहर लाल नेहरू नहर से पम्पिंग द्वारा कच्चा पानी प्राप्त करने का अनुमान ।	खातीवास, खेड़ी खुमार और तलाव	747.25	2.44	60 प्रतिशत कार्य पूर्ण हो चुका है।	30.06.2024
25	खेड़ी आसरा - गांव नीलाहेड़ी में जल जीवन मिशन के अन्तर्गत कार्यात्मक घरेलू नल कनैक्शन प्रदान करने और पाईप लाईन बिछाने के लिए अनुमान।	खेड़ी आसरा	86.40	78.30	60 प्रतिशत कार्य पूर्ण हो चुका है।	31.12.2023
26	लादेन - जल जीवन मिशन के अन्तर्गत मुख्य बुस्टिंग स्टेशन सरंचनाओं की मरम्मत और	लादेन	324.65	199.98	60 प्रतिशत कार्य पूर्ण हो चुका है।	31.12.2023

	कार्यात्मक घरेलू नल कनैक्शन प्रदान करने और पाईप लाईन बिछाने के लिए अनुमान।					
27	मातनहेल - जल जीवन मिशन के अन्तर्गत सरंचनाओं की मरम्मत और कार्यात्मक घरेलू नल कनैक्शन प्रदान करने और पाईप लाईन बिछाने के लिए जल घर के उन्नयन के लिए अनुमान।	मातनहेल	204.60	166.15	60 प्रतिशत कार्य पूर्ण हो चुका है।	31.12.2023
28	मेहराना - जल जीवन मिशन के अन्तर्गत सरंचनाओं की मरम्मत और कार्यात्मक घरेलू नल कनैक्शन प्रदान करने और पाईप लाईन बिछाने के लिए अनुमान।	मेहराना	171.50	8.55	60 प्रतिशत कार्य पूर्ण हो चुका है।	31.12.2024
29	सुरखपुर - जल जीवन मिशन के अन्तर्गत स्वतंत्र जल घर के निर्माण और कार्यात्मक घरेलू नल कनैक्शन प्रदान करने और पाईप लाईन बिछाने के लिए अनुमान।	सुरखपुर	400.30	175.76	60 प्रतिशत कार्य पूर्ण हो चुका है।	31.12.2023
	कुल		**4732.99**	**2413.06**		

अनुलग्नक-ण

झज्जर विधानसभा क्षेत्र में चल रहे शहरी सीवरेज के कार्यों का विवरण

(रूपये लाखों में**)**

क्रं संख्या	कार्य का नाम	शहर का नाम	अनुमानित व्यय लागत/व्यव स्थापन अनुमोदन	नवंबर तक का खर्च	कितने प्रतिशत कार्य पूर्ण हुआ	कार्य पूर्ण होने की तिथि
1	झज्जर - मौजूदा 5.5 और 5 एम एल डी एस टी पी (एम बी बी आर तकनीक) का उन्नयन, उसके बाद टी टी और पाईप लाईन क्लोरीनीकरण संतुलन।	झज्जर शहर	1099.79	476.76	60 प्रतिशत कार्य पूर्ण हो चुका है।	31.05.2024
2	झज्जर शहर में बीकानेर चौक से यादव धर्मशाला माता गेट से सीता राम गेट तक (700 मि मी) गाजी कमल मंदिर के पास सामुदायिक केन्द्र तक और (900 मि मी) कच्चा सिलानी के पास मौजूदा सीवर लाइन की मरम्मत/मजबूती के लिए अनुमान (600 मि मी) झज्जर शहर में सी आई पी पी टेक्नोलॉजी का उपयोग करके एसटीपी 5.5 एम एल डी तक सड़क और यादव धर्मशाला से गुरूद्वारा चौंक तक सीवर लाईन और अन्य सभी कार्य आकस्मिक के सिवाय।	झज्जर शहर	660.30	577.30	60 प्रतिशत कार्य पूर्ण हो चुका है।	31.03.2024
		कुल	**1760.09**	**1054.06**		

अनुलग्नक-त

झज्जर विधानसभा क्षेत्र मे चल रहे शहरी बरसाती पानी की निकासी के कार्यों का विवरण

(रूपये लाखों में**)**

क्रं संख्या	**कार्य का नाम**	**शहर का नाम**	**अनुमानित व्यय लागत/व्यव स्थापन अनुमोदन**	**नवंबर 2023 तक का खर्च**	**कितने प्रतिशत कार्य पूर्ण हुआ**	**कार्य पूर्ण होने की संभावित तिथि**
1	झज्जर शहर- झज्जर जिले के झज्जर शहर में विभिन्न स्थानों पर मौजूदा बरसाती पानी के निपटान (डिस्पोजल) के उन्नयन का अनुमान।	झज्जर शहर	225.21	51.89	60 प्रतिशत कार्य पूर्ण हो चुका है।	31.03.2024