



REGIONAL OFFICE,  
M.P. POLLUTION CONTROL BOARD  
17, BHARATPURI, UJJAIN

E-mail-romppcb\_ujjain@yahoo.co.in, Phone -0734-2510984

S. No. 1169

/PCB/RO/2024.

Ujjain, Date 01/08/24

To,

Smt. Parul Bhadoriya,  
Advocate, Hon'ble N.G.T. (CZ)  
Bhopal (M.P.)

Sub: Hon'ble NGT Original Application Original Application no. 98/2024  
"Saleem Mohammad Bagwan Vs State of Madhya Pradesh & Ors."

---000---

Please find enclosed Joint Committee Inspection Report in the Matter of Original Application no. 98/2024 "Saleem Mohammad Bagwan Vs State of Madhya Pradesh & Ors." against Hon'ble NGT Central Bench Bhopal order dated 25 April 2024. The next hearing of case is scheduled on date 02<sup>nd</sup> August, 2024.

Encl:- As above

  
(H. K. Tiwari)  
Regional Officer

# Joint Committee Inspection Report

In the Matter of

Original Application No.98/2024

“Saleem Mohammad Bagwan Vs State of Madhya Pradesh & Ors.”

w.r.to

Hon`ble National Green Tribunal Central Bench Bhopal  
order dated 25<sup>th</sup> April, 2024

Date of Visit: 30<sup>th</sup> July 2024

## INDEX

<b>S.No.</b>	<b>Name of the Title</b>	<b>Page No.</b>
1	Inspection Report	1-6
2	Annexure - 01	7
3	Annexure - 02	8-10
4	Annexure - 03	11-14
5	Annexure - 04	15-25
6	Annexure - 05	26-27
7	Annexure - 06	28
8	Annexure - 07	29-32

**Joint Committee Inspection Report in the matter of “Saleem  
Mohammad Bagwan Vs State of Madhya Pradesh & Ors.”**

Hon'ble NGT (CZ), Bhopal vide its order dated 25<sup>th</sup> April, 2024 in OA no. 98/2024 “Saleem Mohammad Bagwan Vs State of Madhya Pradesh & Ors.” directed as under vide para No. 1,5 & 6 :-

1. Issue raised in this application is violation of Water (Prevention and Control of Pollution) Act, 1974 and supply of contaminated drinking water by the Municipal Corporation, Ratlam causing serious disease and health problem to the residents. It is further contended that the drinking water has been contaminated due to non-action by the Municipal Corporation, Ratlam and broken tap connections and pipelines within the area.
  
5. We deem it just and proper to call a report on the matter in issue in present Original Application, from a Joint Committee consisting of:-
  - i. One representative from Collector, Ratlam, M.P.
  - ii. One representative from Member Secretary, Pollution Control Board, Bhopal, M.P.
  
6. The Committee is directed to visit the place and submit the factual and action taken report within six weeks. The State PCB will be the nodal agency for coordination and logistic support.

In compliance of the above direction, the joint committee constituted comprising of the following officers visited area under question in Ratlam on 30<sup>th</sup> July, 2024 to assess the factual status of allegation made in petition.

1. Shri Radheshyam Mandloi, Additional District Magistrate, Ratlam
2. Shri. Hemant Kumar Tiwari, Regional Officer, M.P. Pollution Control Board, Ujjain

The other officials present during the inspection are Shri Himanshu Bhatt , Commissioner, Municipal Corporation Ratlam, Suhas Pandit, Executive Engineer, Municipal Corporation Ratlam & Dr. Deepak Kale, Scientist, Shri Ashok Ramawat, Chemist & Shri Devendra Solanki, Chemist from M.P. Pollution Control Board, Ujjain. During inspection applicant Saleem Mohammad Bagwan was also present.

To find out facts as well as to know the extent of problem, the committee visited the area under question physically which are mentioned in petition. The major observation of physical survey has been recorded in the form of Panchnama, which is Annexed as **Annexure-01**. During inspection of the site committee members interacted with applicant and other local residents to provide further opportunities for providing any other information related to the application

The committee made the following observation during site visit on the above mentioned issues:-

1. The population of Municipal Corporation Ratlam is 264914 as per census data 2011. The Ratlam town is having water supply primarily based on Saroj Sarovar Dam ( Dholawad Dam) . There are two water treatment plant located at Morwani village having capacity of 22 MLD & 25 MLD . Total water supply is about 35 MLD .Treated water is being distributed in Ratlam Municipal area through 25 nos. Over Head tanks. There are about 39398 Tap connection in the city & there are about 739 tap connection in ward no. 24 (area under question). In ward no. 24 water is being distributed from Shanti Nagar Over Head Tank.
2. The existing distribution system of Ratlam is laid under various scheme & total length of network is about 476 Kilometer . The materials used in existing distribution network are ACP pipes & HDPE PN6 . The ACP Pipelines are almost 50 years old & requires maintenance . The ACP Pipelines are being replaced by HDPE Pipeline under Amrut 2.0 scheme .
3. The issue of slight muddy water has been observed for few minutes from the Tap opening of water supply. Regarding this issue Commissioner, Municipal Corporation Ratlam told that under Amrut 2.0 scheme work order has already given to replace 50 years old ACP Pipeline by HDPE Pipeline in ward no. 24
4. As per information given by Municipal Corporation Ratlam old ACP pipeline has been replaced by HDPE pipeline on Kalaigar , Shiksha Vibhag Karyalay road (कलाईगर शिक्षा विभाग कार्यालय रोड) and some part of Kunjdo ka Vas (कुंजडो का वास) area in ward no. 24.

3

5. As per information given by Municipal Corporation Ratlam when they received complaint from ward no. 24 Parshad Mr. Saleem Mohammad Bagwan it was found that dirty water getting mixed in the supply from Goushala Over Head Tank , because of pipeline crossing through drain. Now this has been disconnected and pipeline of this area {Ojhakhali (ओझाखाली)} has been connected to Shanti Nagar Over Head Tank.
6. It was informed that during water supply Regional Valve man of Municipal Corporation Ratlam regularly check for leakages & repair them immediately .
7. Municipal Corporation Ratlam provided water analysis report of Morwani Treatmen Plant (New Clear Water), Shanti Nagar Over Head Tank & Rijavi sahab Sayar Chabutara dated 29-07-2024 is Annexed as **Annexure-02**
8. To assess the water quality, four tap water samples from Ojhakhali (ओझाखाली) & Kunjdo ka Vas (कुंजडो का वास) area in ward no. 24 Ratlam were collected in presence of applicant & resident of area. The results of water analysis is Annexed as **Annexure-03**
9. The Municipal Corporation Ratlam has made Budgetary Provision of Rs. 26.50 Crore in the year 2024-25 for the maintenance and upgradation of water supply system.
10. For Augmentation and Strengthening of Water Supply System in Ratlam Town Estimated Project Cost of Rs. 72 Crore under Amrut 2.0 is prepared. The Executive Summary & Salient features of the proposed water supply scheme is Annexed as **Annexure-04**

11. Work order for construction of water treatment plant capacity of 12 MLD, installation of Floating Pontoon, construction of 7 Over Head Tanks , Laying & Commissioning of clear water feeder main and distribution network of length 273.891 Kilometer etc. has been given by Municipal Corporation Ratlam vide their letter no. 957 dated 08-12-2023. The work will begin shortly. The copy of work order is Annexed as **Annexure-05**

12. The reply submitted by Chief Medical Health Officer Ratlam vide their letter no. 4552 dated 30-07-2024 regarding supply of contaminated drinking water by the Municipal Corporation, Ratlam causing health problem to the resident of ward no. 24 is Annexed as **Annexure-06**

Photographs taken during inspection is annexed as **Annexure-07**

**Conclusion : -**

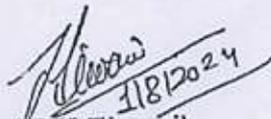
1. The Analysis report of Tap waters (4 Nos.) collected during inspection confirms As per Indian Standard Drinking water Specification second revision IS10500: 2012.
2. For the remediation of the issue of contaminated drinking water raised in petition , work order for the construction of water treatment plant , distribution network (Replacement of old ACP line) , construction of Over Head tank, has been given by Municipal Corporation Ratlam and the work will be started

shortly. Similarly HDPE pipeline already laid in some part of ward no. 24 & supply from Gaushala Over Head Tank in Ojhakhali area has been disconnected and connected to Shanti Nagar Over Head Tank.

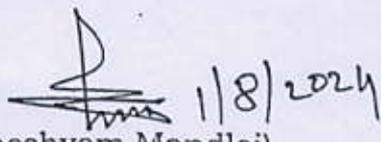
3. No specific case of Diarrhea (उल्टी/दस्त) by contaminated water supply has been reported in ward no. 24 Ratlam so for as per letter submitted by CMHO Ratlam.

**Recommendation :-**

- 1- Municipal Corporation Ratlam shall regularly check the leakages drinking water supply line and get repaired accordingly .
- 2- Municipal Corporation Ratlam shall regularly check the water quality during water supply.
- 3- The implementation of AMRUT Yojana 2.0 shall have be to done as early as possible. As per information provided by Commissioner, Municipal Corporation Ratlam, the work order has been allotted for the same.

  
(H.K. Tiwari)

Regional Officer  
M.P. Pollution Control Board  
Ujjain (M.P.)

  
(Radheshyam Mandloi)  
Additional District Magistrate,  
Ratlam (M.P.)

पंचनामा

नातनीय नगर छे क्रमांक 98/2024 सलीम प्रो. वागवान / 45  
 स्टेट ऑफ M.P. 8 078, दिनांक 25/04/2024 को जारी भविरा  
 के संवर्धन के गठित कमेटी के सदस्य श्री शंभरनाथ भण्डारी ADM रतलाम  
 शहर एवं श्री M.K. तिवारी क्षेत्रीय अधिकारी प्र.उ. प्रदूषण नियंत्रण  
 बोर्ड के इन्फेन द्वारा रजदर निरीक्षण किया गया, निरीक्षण दौरान श्री  
 हिमांशु जी भट्ट नगर निगम आयुक्त, हार्डपालम प्रो. श्री सुहास  
 पंडित जी एवं सिवायतकरी श्री सलीम जी वागवान कार्यरत श्री वार्ड  
 क्रमांक-24 नगर निगम रतलाम उपस्थित थे। निरीक्षण आज दिनांक  
 30/07/2024 को किया गया। जिसमें 04 (चार) जगह के 4000

समाय ले के लेम्पन किये गये। निम्न निरर्धन कार्यरत  
 कार्यलय उक्त प्रयोगशाला में किया जायेगा। निती अन्तर्  
 क्रमांक कुछ क्षेत्रवासीकरी के अनुसार कि वर्तमान 4000 लक्ष्य  
 में प्रलय सिरे जाने वाले जल की कमी है वो संतुष्ट  
 है। अमृत योजना - 2 में जल का नगर निगम माइल पर पूर्णतः  
 खसला जायेगा। सिद्ध करे जे यह भी समाहित है। साथ ही  
 सिवायतकरी श्री सलीम मोहम्मद वागवान जी द्वारा मॉडर्न  
 कार्य जल सहाय के सुविधा लेके जाने पर संतुष्ट दर्शाये  
 गयी है। कभी पुनरी नगर माइल माफिक 50 वर्क पूर्व वा-  
 बोर्ड के अलावा इसमें बाहरी जल मिले जाता है। सिद्ध  
 जल प्रलय के माफिक 5-10 मिटर तर मेलम कलते करियारी  
 आता है यह पंचनामा सादर देा किया गया।

① सिवायतकरी श्री- सलीम मोहम्मद वागवान सलीम प्रो.  
 आयुक्त  
 30/7/24  
 ROMPPCB Ujjain (MP)  
 शाजीक 30/07/2024  
 30/6/2024  
 7

Water Testing Laboratory  
Treatment plant Morwani, Nagar Palik Nigam, Ratlam

Date 29/7/2024

To, Municipal Commissioner  
Nagar Nigam Ratlam

Sample details	
S.No	Location
1	Morwani Treatment Plant - (New clear water)
2	
3	
4	
5	

**Physical & Chemical Test Report With Details of Parameters, Their Test Methods, Units and Specifications as per IS**  
As per IS-10500:2012 & Amendment June 2015 for Drinking Water

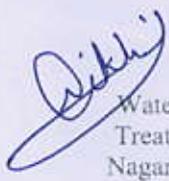
No.	Characteristics	Test Method	Unit	Requirement (Desirable I unit)	Permissible Limit in the absence of Alternate Source	Test Result				
						Sample Numbers				
						1	2	3	4	5
1	2	3	4	5	6	7				
1	Turbidity	IS 3025(P-10): 1984 RA 2017	NTU	1.0 NTU	5.0 NTU	3.5				
2	pH	IS 3025(P-11): 1983 RA 2017	pH Scale	6.5-8.5	6.5-8.5	6.9				
3	Total Hardness (as CaCO <sub>3</sub> )	IS 3025(P-21): 2009 RA 2019	mg/l	200 mg/l	600 mg/l	120				
4	Calcium (as Ca)	IS 3025(P-40): 1991 RA 2019	mg/l	75 mg/l	200 mg/l	26				
5	Magnesium (as Mg)	IS 3025(P-46): 1994 RA 2019	mg/l	30 mg/l	100 mg/l	13				
6	Total Alkalinity (as CaCO <sub>3</sub> )	IS 3025(P-23): 1986 RA 2019	mg/l	200 mg/l	600 mg/l	76				
7	Chloride (as Cl)	IS 3025(P-32): 1988 RA 2019	mg/l	250 mg/l	1000 mg/l	22				
8	TDS	IS 3025 (P-16): 1984 RA 2017	mg/l	500 mg/l	2000 mg/l	179				
9	Conductivity	IS 3025(P-14): 1984 RA 2019	Micro mhos/cm	---	---	345				
10	Sulphate (as SO <sub>4</sub> )	IS 3025(P-24): 1986 RA 2014	mg/l	200 mg/l	400 mg/l	39				
11	Residual Chlorine		mg/l	0.2mg/l	1.0 mg/l	M.T. 2.0ppm				

**Bacteriological Test Report With Details of Their Test Methods, Units and Specifications as per BIS**

12	Total Coliform	APHA 22 <sup>nd</sup> Edition 9211B	Per 100 ml	NIL		NIL				
13	Faecal coliform	APHA 22 <sup>nd</sup> Edition 9211B	Per 100 ml	NIL for treated water and water in distribution system		NIL				

Specific Information :-

Remark :-

  
Chemist  
Water Testing Laboratory  
Treatment plant Morwani,  
Nagar Palik Nigam, Ratlam

  
Sub Engineer  
Water Testing Laboratory  
Treatment plant Morwani,  
Nagar Palik Nigam, Ratlam

  
Executive Engineer  
Water Testing Laboratory  
Treatment plant Morwani,  
Nagar Palik Nigam, Ratlam

Water Testing Laboratory  
Treatment plant Morwani, Nagar Palik Nigam, Ratlam

Date 29/7/2024

To, Municipal Corporation  
Nages Nigam Ratlam,

Sample details	
S.No	Location
1	<u>Shekhi Nages OHT Tank</u>
2	
3	
4	
5	

**Physical & Chemical Test Report With Details of Parameters, Their Test Methods, Units and Specifications as per IS**  
As per IS-10500:2012 & Amendment June 2015 for Drinking Water

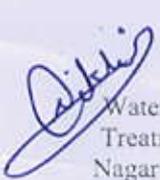
No.	Characteristics	Test Method	Unit	Requirement (Desirable Limit)	Permissible Limit in the absence of Alternate Source	Test Result					
						Sample Numbers					
						1	2	3	4	5	
1	2	3	4	5	6	7					
1	Turbidity	IS 3025(P-10): 1984 RA 2017	NTU	1.0 NTU	5.0 NTU	4.8					
2	pH	IS 3025(P-11): 1983 RA 2017	pH Scale	6.5-8.5	6.5-8.5	7.0					
3	Total Hardness (as CaCO <sub>3</sub> )	IS 3025(P-21): 2009 RA 2019	mg/l	200 mg/l	600 mg/l	124					
4	Calcium (as Ca)	IS 3025(P-40):1991 RA 2019	mg/l	75 mg/l	200 mg/l	28					
5	Magnesium (as Mg)	IS 3025(P-46): 1994 RA 2019	mg/l	30 mg/l	100 mg/l	13					
6	Total Alkalinity (as CaCO <sub>3</sub> )	IS 3025(P-23):1986 RA 2019	mg/l	200 mg/l	600 mg/l	80					
7	Chloride (as Cl)	IS 3025(P-32): 1988 RA 2019	mg/l	250 mg/l	1000 mg/l	23					
8	TDS	IS :3025 (P-15): 1984 RA 2017	mg/l	500 mg/l	2000 mg/l	219					
9	Conductivity	IS 3025(P-14): 1984 RA 2019	Micro mhos/cm	---	---	421					
10	Sulphate (as SO <sub>4</sub> )	IS 3025(P-24):1986 RA 2014	mg/l	200 mg/l	400 mg/l	32					
11	Residual Chlorine		mg/l	0.2mg/l	1.0 mg/l	0.4					

**Bacteriological Test Report With Details of Their Test Methods, Units and Specifications as per BIS**

12	Total Coliform	APHA 22 <sup>nd</sup> Edition 9211B	Per 100 ml	NIL	NIL					
13	Feecal coliform	APHA 22 <sup>nd</sup> Edition 9211B	Per 100 ml	NIL for treated water and water in distribution system		NIL				

Specific Information :-

Remark :-

  
Chemist  
Water Testing Laboratory  
Treatment plant Morwani,  
Nagar Palik Nigam, Ratlam

  
Sd Engineer  
Water Testing Laboratory  
Treatment plant Morwani,  
Nagar Palik Nigam, Ratlam

  
Executive Engineer  
Water Testing Laboratory  
Treatment plant Morwani,  
Nagar Palik Nigam, Ratlam

Water Testing Laboratory  
Treatment plant Morwani, Nagar Palik Nigam, Ratlam

Date 27/7/2024

To, Municipal Commissioner,  
Nagar Nigam Ratlam,

Sample details	
S.No	Location
1	<u>रिजर्वी बग. सामर पुराना</u>
2	
3	
4	
5	

**Physical & Chemical Test Report With Details of Parameters, Their Test Methods, Units and Specifications as per IS**  
As per IS-10500:2012 & Amendment June 2015 for Drinking Water

No.	Characteristics	Test Method	Unit	Requirement (Desirable Limit)	Permissible Limit in the absence of Alternate Source	Test Result				
						Sample Numbers				
						1	2	3	4	5
1	2	3	4	5	6	7				
1	Turbidity	IS 3025(P-10): 1984 RA 2017	NTU	1.0 NTU	5.0 NTU	4.2				
2	pH	IS 3025(P-11): 1983 RA 2017	pH Scale	6.5-8.5	6.5-8.5	7.1				
3	Total Hardness (as CaCO <sub>3</sub> )	IS 3025(P-21): 2009 RA 2019	mg/l	200 mg/l	600 mg/l	126				
4	Calcium (as Ca)	IS 3025(P-40): 1991 RA 2019	mg/l	75 mg/l	200 mg/l	27				
5	Magnesium (as Mg)	IS 3025(P-46): 1994 RA 2019	mg/l	30 mg/l	100 mg/l	14				
6	Total Alkalinity (as CaCO <sub>3</sub> )	IS 3025(P-23): 1986 RA 2019	mg/l	200 mg/l	600 mg/l	88				
7	Chloride (as Cl)	IS 3025(P-32): 1988 RA 2019	mg/l	250 mg/l	1000 mg/l	22				
8	TDS	IS 3025 (P-16): 1984 RA 2017	mg/l	500 mg/l	2000 mg/l	219				
9	Conductivity	IS 3025(P-14): 1984 RA 2019	Micro mhos/cm	---	---	423				
10	Sulphate (as SO <sub>4</sub> )	IS 3025(P-24): 1986 RA 2014	mg/l	200 mg/l	400 mg/l	35				
11	Residual Chlorine		mg/l	0.2mg/l	1.0 mg/l	0.4				

**Bacteriological Test Report With Details of Their Test Methods, Units and Specifications as per BIS**

12	Total Coliform	APHA 22 <sup>nd</sup> Edition 9211B	Per 100 ml	NIL	NIL				
13	Faecal coliform	APHA 22 <sup>nd</sup> Edition 9211B	Per 100 ml	NIL for treated water and water in distribution system	NIL				

Specific Information :-

Remark :-

  
Chemist  
Water Testing Laboratory  
Treatment plant Morwani,  
Nagar Palik Nigam, Ratlam

  
Sub-Engineer  
Water Testing Laboratory  
Treatment plant Morwani,  
Nagar Palik Nigam, Ratlam

  
Executive Engineer  
Water Testing Laboratory  
Treatment plant Morwani,  
Nagar Palik Nigam, Ratlam

**M. P. POLLUTION CONTROL BOARD**  
**17, BHARAT PURI, UJJAIN-456001**  
 (Permanent Facility)

Phone -0734-2525281,2510984 FAX-0734-2510984  
 E-mail- rlmppcbujain@gmail.com

Report No. 468/2024

**TEST REPORT**

Sample from

:- श्री मोहम्मद निजाम पिता मो. रमजान मकान क.  
 35, ओझाखाली रतलाम के नल कनेक्शन से  
 नगर निगम रतलाम द्वारा प्रदायित जल का नमूना

Description of Sample

:- Tap Water

Reference

:- As per Hon'ble NGT Case OA No. 98/2024

Sampling Method

:- APHA, 24th Edition, 1060

Date of Collection		30-07-24	Sample Volume- 2 Litre		
Date of Receipt		30-07-24	Plastic bottle 2 litre marked " 1 "		
Start of Analysis		30-07-24	Collected by :- Joint Committee		
Date of Completion of Analysis		01-08-24	Analysed by :- Mr. Vishal Solanky, Chemist		
S.No.	Characteristic	Unit	Indian Standard Drinking Water Specification (Second Revision) IS 10500 : 2012		Result
			Requirement (Acceptable Limit)	Permissible in the Absence of Alternate Source	
1	pH	pH Unit	6.5-8.5	No relaxation	7.23
2	Turbidity	NTU	1	5	4.6
3	Total Dissolved Solids	mg/l	500	2000	218
4	Chloride as Cl	mg/l	250	1000	27
5	Total Alkalinity as CaCO <sub>3</sub>	mg/l	200	600	100
6	Total Hardness as CaCO <sub>3</sub>	mg/l	200	600	104
7	Calcium as (Ca)	mg/l	75	200	30.4
8	Magnesium as (Mg)	mg/l	30	100	6.8
9	Ammonical Nitrogen as NH <sub>3</sub> -N	mg/l	0.5	No relaxation	BDL
10	Nitrate as NO <sub>3</sub>	mg/l	45	No relaxation	2.32
11	Sulphate as SO <sub>4</sub>	mg/l	200	400	12
12	Total Coliform	MPN/100ml	Shall not be detectable in any 100 ml sample		Nil

BDL- Below Detectable Limit, Ammonical Nitrogen as NH<sub>3</sub>-N Detection limit 0.1 mg/l

  
 (A. D. Sant)  
 Senior Scientific Officer

**M. P. POLLUTION CONTROL BOARD**

17, BHARAT PURI, UJJAIN-456001

(Permanent Facility)

Phone -0734-2525281,2510984 FAX-0734-2510984

E-mail- rmppcbujain@gmail.com

Report No. 469/2024

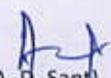
**TEST REPORT**

Sample from :- श्री जावेद अनवर पिता अब्दुल वहीद मकान क.  
50, ओझाखाली रतलाम के नल कनेक्शन से  
नगर निगम रतलाम द्वारा प्रदायित जल का नमूना

Description of Sample :- Tap Water  
Reference :- As per Hon'ble NGT Case OA No. 98/2024  
Sampling Method :- APHA, 24th Edition, 1060

Date of Collection	30-07-24	Sample Volume- 2 Litre			
Date of Receipt	30-07-24	Plastic bottle 2 litre marked " 2 "			
Start of Analysis	30-07-24	Collected by :- Joint Committee			
Date of Completion of Analysis	01-08-24	Analysed by :- Mr. Vishal Solanky, Chemist			
S.No.	Characteristic	Unit	Indian Standard Drinking Water Specification (Second Revision) IS 10500 : 2012		Result
			Requirement (Acceptable Limit)	Permissible in the Absence of Alternate Source	
1	pH	pH Unit	6.5-8.5	No relaxation	7.19
2	Turbidity	NTU	1	5	4.4
3	Total Dissolved Solids	mg/l	500	2000	220
4	Chloride as Cl	mg/l	250	1000	30
5	Total Alkalinity as CaCO <sub>3</sub>	mg/l	200	600	104
6	Total Hardness as CaCO <sub>3</sub>	mg/l	200	600	100
7	Calcium as (Ca)	mg/l	75	200	30.4
8	Magnesium as (Mg)	mg/l	30	100	5.8
9	Ammonical Nitrogen as NH <sub>3</sub> -N	mg/l	0.5	No relaxation	BDL
10	Nitrate as NO <sub>3</sub>	mg/l	45	No relaxation	2.35
11	Sulphate as SO <sub>4</sub>	mg/l	200	400	10
12	Total Coliform	MPN/100ml	Shall not be detectable in any 100 ml sample		Nil

BDL- Below Detectable Limit, Ammonical Nitrogen as NH<sub>3</sub>-N Detection limit 0.1 mg/l

  
(A. D. Sant)  
Senior Scientific Officer

M. P. POLLUTION CONTROL BOARD  
17, BHARAT PURI, UJJAIN-456001  
(Permanent Facility)

Phone -0734-2525281,2510984 FAX-0734-2510984  
E-mail- rlmppcbujain@gmail.com

Report No. 470/2024

**TEST REPORT**

Sample from

:- श्री इकबाल शाह पिता अब्दुल हमीद मकान क्र.  
43, ओझाखाली रतलाम के नल कनेक्शन से  
नगर निगम रतलाम द्वारा प्रदायित जल का नमूना

Description of Sample

:- Tap Water

Reference

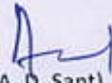
:- As per Hon'ble NGT Case OA No. 98/2024

Sampling Method

:- APHA, 24th Edition, 1060

Date of Collection	30-07-24	Sample Volume- 2 Litre			
Date of Receipt	30-07-24	Plastic bottle 2 litre marked " 3 "			
Start of Analysis	30-07-24	Collected by :- Joint Committee			
Date of Completion of Analysis	01-08-24	Analysed by :- Mr. Vishal Solanky, Chemist			
S.No.	Characteristic	Unit	Indian Standard Drinking Water Specification (Second Revision) IS 10500 : 2012		Result
			Requirement (Acceptable Limit)	Permissible in the Absence of Alternate Source	
1	pH	pH Unit	6.5-8.5	No relaxation	7.24
2	Turbidity	NTU	1	5	4.8
3	Total Dissolved Solids	mg/l	500	2000	226
4	Chloride as Cl	mg/l	250	1000	28
5	Total Alkalinity as CaCO <sub>3</sub>	mg/l	200	600	102
6	Total Hardness as CaCO <sub>3</sub>	mg/l	200	600	104
7	Calcium as (Ca)	mg/l	75	200	28.8
8	Magnesium as (Mg)	mg/l	30	100	7.8
9	Ammonical Nitrogen as NH <sub>3</sub> -N	mg/l	0.5	No relaxation	BDL
10	Nitrate as NO <sub>3</sub>	mg/l	45	No relaxation	2.37
11	Sulphate as SO <sub>4</sub>	mg/l	200	400	11.2
12	Total Coliform	MPN/100ml	Shall not be detectable in any 100 ml sample		Nil

BDL- Below Detectable Limit, Ammonical Nitrogen as NH<sub>3</sub>-N Detection limit 0.1 mg/l

  
(A. D. Sant)  
Senior Scientific Officer

**M. P. POLLUTION CONTROL BOARD**

17, BHARAT PURI, UJJAIN-456001

(Permanent Facility)

Phone -0734-2525281,2510984 FAX-0734-2510984

E-mail- rmppcbujain@gmail.com

Report No. 471/2024

**TEST REPORT**

Sample from :- श्री मोहम्मद जाकीर पिता अब्दुल सतार मकान क.  
9, कुंजडो का वास रतलाम के नल कनेक्शन से  
नगर निगम रतलाम द्वारा प्रदायित जल का नमूना

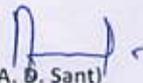
Description of Sample :- Tap Water

Reference :- As per Hon'ble NGT Case OA No. 98/2024

Sampling Method :- APHA, 24th Edition, 1060

Date of Collection	30-07-24	Sample Volume- 2 Litre			
Date of Receipt	30-07-24	Plastic bottle 2 litre marked " 4 "			
Start of Analysis	30-07-24	Collected by :- Joint Committee			
Date of Completion of Analysis	01-08-24	Analysed by :- Mr. Vishal Solanky, Chemist			
S.No.	Characteristic	Unit	Indian Standard Drinking Water Specification (Second Revision) IS 10500 : 2012		Result
			Requirement (Acceptable Limit)	Permissible in the Absence of Alternate Source	
1	pH	pH Unit	6.5-8.5	No relaxation	7.12
2	Turbidity	NTU	1	5	4.6
3	Total Dissolved Solids	mg/l	500	2000	216
4	Chloride as Cl	mg/l	250	1000	25
5	Total Alkalinity as CaCO <sub>3</sub>	mg/l	200	600	104
6	Total Hardness as CaCO <sub>3</sub>	mg/l	200	600	104
7	Calcium as (Ca)	mg/l	75	200	30.4
8	Magnesium as (Mg)	mg/l	30	100	6.8
9	Ammonical Nitrogen as NH <sub>3</sub> -N	mg/l	0.5	No relaxation	BDL
10	Nitrate as NO <sub>3</sub>	mg/l	45	No relaxation	2.35
11	Sulphate as SO <sub>4</sub>	mg/l	200	400	9.6
12	Total Coliform	MPN/100ml	Shall not be detectable in any 100 ml sample		Nil

BDL- Below Detectable Limit, Ammonical Nitrogen as NH<sub>3</sub>-N Detection limit 0.1 mg/l

  
(A. D. Sant)  
Senior Scientific Officer



# AMRUT 2.0

## DRAFT REPORT

FOR AUGMENTATION AND  
STRENGTHENING OF WATER SUPPLY  
SYSTEM IN RATLAM TOWN

ESTIMATED PROJECT COST: 7200.00 LACS

**SUBMITTED TO :**

DIRECTORATE URBAN ADMINISTRATION AND  
DEVELOPMENT

**SUBMITTED BY :** MUNICIPAL CORPORATION RATLAM

**CONSULTANTS :**

VASTUSHILPI PROJECTS AND CONSULTANTS PVT. LTD,  
BHOPAL





Urban Administration and Development  
Department, GoMP  
Municipal Corporation Ratlam

# Atal Mission for Rejuvenation and Urban Transformation

## AMRUT 2.0

DRAFT REPORT

VOL - I: Detailed Project Report for  
Augmentation of Water Supply System in  
Ratlam.





## DISCLAIMER

The "Detailed Project Report" prepared by Vastushilpi Projects and Consultants Pvt. Ltd, Bhopal is in accordance with the Terms of Reference of the agreement with Municipal Corporation, Ratlam, Urban Administration & Development Department of Madhya Pradesh. The entire exercise is divided in to three submissions, the first and second is being CWBP & CWAP and the "Draft Detailed Project Report" is the third stage deliverable.

The data has been collected from primary sources like site reconnaissance survey, field visits, Topography surveys, community discussions and secondary sources like City Water Balance Plan (CWBP), City Water Action Plan (CWAP), Development Plan (prepared by Town & Country Planning), City Development Plan, previous Detailed Project Report for water supply system, etc. The projects finalised and detailed out in the present project report are completely in accordance with the "City Water Balance Plan (CWBP)" and "City Water Action Plan (CWAP)" and "Steering Committee" meeting inferences. Immense care has been taken in formulation of project proposal. Detailed engineering design, drawings and obtaining no objection certificates required for the successful execution of works shall indicating in DPR. The proposed works along with design and drawings given in the present project are for planning presentation and necessary approval purpose only.

All references to this document must include this disclaimer.





## FOREWORD

---

In accordance with the appointment as consultant for the preparation of Detailed Project Report for the Water Supply Project, Sewerage Scheme and Rejuvenation of Water Bodies in Municipal Corporation Ratlam, Madhya Pradesh, this document is presented under the AMRUT 2.0 Scheme. Work has been carried out previously in Ratlam Town under various schemes such as UIDSSMT & AMRUT. The DPR focuses on bridging the gap remaining after previous work.

In this project, two verticals of AMRUT 2.0 will be addressed. Firstly, it focuses on refurbishment and augmentation of the water supply system for 100% coverage of Municipal area through piped water supply system. Secondly, extension of underground Sewerage system for the left area in Ratlam city.

As per the projections made for Ratlam city, the estimated present population of city is approximately 315000. The area of entire Municipal Corporation is approximately 40 Sq Kms. Present project has been designed for the target year 2055 with estimated population of 443500. In order to meet water demands of target population, augmentation in capacity of existing water supply system has been proposed. Along with water supply provisions, it has been envisaged that the city shall be provided with underground sewerage system for collection of wastewaters. The design is being carried out as per relevant clauses of CPHEEO Manuals on Water Supply and Treatment and CPHEEO Manuals on Sewerage and Sewage Treatment.

City Water Balance Plan (CWBP) and City Water Action Plan (CWAP) has been prepared after conducting preliminary surveys and discussions with the Municipal authorities. Based on the project identified the proposed project is being designed using the ongoing water supply arrangement, previously laid distribution & sewer network, WTP, SIP, OHT, etc. Any discrepancy may kindly be brought to the knowledge of consultants immediately for necessary correction and remedial action thereof.

It is the responsibility of the approving authority to get themselves acquainted with the provisions and assumptions of the project report prior to its approvals. The detailed estimates, drawings and designs in the project report are subjected to approval by Municipal Corporation Ratlam and Directorate, Urban Administration and Development Department, Govt. of Madhya Pradesh.

After the approval of DPR by the competent authority, Municipal Corporation Ratlam may use the contents for calling the tender as per the prevailing norms. However, any variation in the provisions of DPR in terms of cost and quantity, due to any change in scope of works during the execution of works shall not be the responsibility of consultants.





## EXECUTIVE SUMMARY

Ratlam is a Munciple Corporation city situated in Ratlam tehsil of Ratlam district. The Ratlam city is divided into 49 wards for which elections are held every 5 years. As per the Population Census 2011, there are a total 53,133 families residing in the Ratlam city. The total population of Ratlam is 264,914 out of which 134,915 are males and 129,999 are females thus the Average Sex Ratio of Ratlam is 964. Ratlam is located on latitude 23.3315° N, and longitude 75.0367° E. The general level is about 480 meters above M.S.L.

In order to meet Sustainable Development Goal 6 (SDG 6), and to extend ease of living in water sector from 500 to all statutory towns, AMRUT 2.0 has been launched on 1<sup>st</sup> October 2021. The main objective of the programme is to ensure 100% coverage of piped water supply, sewerage/ septage and water body green space management in 500 AMRUT cities.

Atal Mission for Rejuvenation and Urban Transformation 2.0 (AMRUT 2.0) is a step towards Padmanabhan Bharat with aim of making the cities 'water secure' and providing functional water tap connections to all households. This will be achieved through circular economy of water by effecting water source conservation, rejuvenation of water bodies and wells recycle/ reuse of treated used water, and rainwater harvesting by involving community at large. This Mission will be run as people's program i.e., Jan Aandolan.

As per the Operational Guidelines issued by Ministry of Housing and Urban Affairs, "City Water Balance Plan (CWBP)" and "City Water Action Plan (CWAP)" has been formulated and approved by 'State High Powered Steering Committee (SHPS)' of the State and APEX committee GOI. Detailed Project Reports shall be prepared as per the works approved by SHPC and APEX committee.

Based upon the suggestions received during approval of CWAP, Stakeholder's consultation, total station surveys and site assessment, the Detailed Project Report (DPR) shall be formulated for the admissible components of the programme i.e., Water Supply, Water Body's Rejuvenation and Green Space Development in Ratlam.

The objective of AMRUT 2.0 is to reduce dependence of water supply on ground water, reduce UFW in water distribution to the level of less than 15 percent as envisaged in CPHEEO Manual of Water Supply, and makes 100 percent coverage as per MDG agreed by GOI and supply potable water on 24x7 bases.

In this project, the water supply component of AMRUT 2.0 will be addressed. The DPR focuses on augmentation and strengthening of the water supply system for 100% coverage of Municipal area through piped water supply and designing DMAs for each OHTs for equitable water distribution at desired residual head.

### *a. CWBP and CWAP*

City Water Balance Plan (CWBP) has prepared for identifying the balance in water supply facilities and City Water Action Plan (CWAP) was prepared for assessment of cost for executing the desired works after conducting preliminary surveys and discussions with the Municipal authorities.

The action plan was proposed considering the convergence with the previously developed facilities like Head works, laid distribution network, WTP, OHT, etc.





*b. Water supply Scheme in Ratlam city*

As per the Census data 2011 the population of Municipal Corporation, Ratlam is 264914. The population of Ratlam town for the year 2055 has been projected as 443500. The town is having water supply primarily based on Dholawad Dam. At present, there is two number of Water Treatment Plant, located at Morvani Village, having capacity of 22.50 MLD and 25.50 MLD. Presently 46 number of OHTs/GSRs having cumulative capacity of 31266 KL are their situated at various location in town. The existing distribution system in the town is laid under various schemes and the total length of the network is 476 kms. The materials of existing distribution network are, HDPE PN6 and ACP pipes. ACP pipe is in worn out condition, only pipes which are in useable condition is proposed to be used in the project. In order to fulfil the drinking water demand of citizens of Ratlam for next 30 years, Municipal Corporation, Ratlam has decided to execute the strengthening and upgradation scheme of Ratlam Water Supply scheme. This project is being prepared for strengthening and extension of water supply system for 100% coverage of the town area, for supplying 135 lpcd water (7 m residual head in DMAs). The proposed project includes providing and laying of distribution network comprising of 110mm to 320 mm HDPE PN6 & 350-60 DI K7 class pipe having total length of 283.65 kms in various parts of Municipal Corporation Ratlam. The water shall be supplied from 4 new proposed OHTs including 46 numbers of existing OHTs/GSRs located at different locations. The designs of distribution network have been carried out on Water gems. The house service connections for 100% households has been proposed along with bulk metering for keeping NRW within 15%.

As per the design population for Ratlam town, the net water requirement for the year 2040 @135 lpcd will be 50.65 MLD and the raw water requirement will be 60.00 MLD and for 2055 will be 59.87MLD and 70.50MLD. The cumulative capacity of present water supply system of Ratlam is 48.00 MLD, after treatment approximately 30 MLD Clear water is supply to Ratlam town. After considering the useful components of existing water supply system, the main components of the proposed scheme are discussed below:

- **Floating Pontoon**

Providing and Installation of one no of floating pontoon in Dholawad Dam for pumping upto 60.00 MLD of raw water from minimum water level of 376.00 m to feed old and new intake well having size 12.0 meter x 5.20 meter, along with floating bridge of length 225.0 meter, flexible pipe of 600mm to 500mm diameter having total length of 1250 meter. Providing and installation of 4 nos of submersible pumps, 2 nos for 37.50 MLD having discharge of 475 LPS and pumping head of 25.0 meter for pumping raw water to new intake well and 2 nos for 22.50 MLD having discharge of 285 LPS and pumping head of 25.0 meter for pumping raw water to old intake well.

- **Raw Water and Pumps along with Transformer**

Providing set of raw water pumps along with Transformer at old intake well, booster pumps and new intake well for cumulative capacity of 60 MLD to fulfil stage-1 requirement. The details of proposed pumps and transformer are-

S.No.	Location	Type of Pumps	Nos	KW	Discharge (Each Pumps)	Head	Transformer (KVA)
1.0	Old Intake well	Horizontal Spilt Casing Centrifugal Pump	1 no pump set and 2 motors	205	175 LPS	95	Shifting of 750 KVA transformer and 1-750 KVA (One-working)



							One-Standby)
2.0	Booster Pumps Station	Horizontal Spilt Casing Centrifugal Pump	3 no pump set	110	175 LPS	50	Existing transformer shall be use.
3.0	New Intake Well	Vertical Turbine Pump	3nos Pump set	416	237 LPS	125	2-1000 KVA (One-working One-Standby)

- Water Treatment Plant**

Construction of Water Treatment plant of 12.00 MLD capacities for taking stage-1 requirement i.e., 2040 at Morvani village near old water treatment plant. The plant shall comprise of clariflocculator, rapid sand filter beds, sump well, pumping house etc. The plant shall have all necessary arrangement for dosing of chemicals like alum and chlorine along with laboratory for monitoring the quality of treated water.

- Clear Water Pumps along with Transformer**

Providing set of clear water pumps along with Transformer at old WTP, new WTP and Rituraj sump well for cumulative capacity of 57 MLD to fulfil stage-1 requirement. The details of proposed pumps and transformer are-

S.No.	Location	Type of Pumps	Nos	KW	Discharge (Each Pumps)	Head	Transformer (KVA)
1.0	Old WTP	Horizontal Spilt Casing Centrifugal Pump	3 nos Pump set	205	175 LPS	95	1-750 KVA and one existing transformer of 750 KVA shall be use. (One-Standby)
2.0	New WTP	Horizontal Spilt Casing Centrifugal Pump	3 nos Pump set	263	225 LPS	110	2-1250 KVA (One-working One-Standby)
3.0	Rituraj Sump Well	Horizontal Spilt Casing Centrifugal Pump	3 nos Pump set	100	108.50 LPS	60	Existing transformer shall be use.

- Clear Water Feeder Mains**

Providing, laying & jointing of Feeder network of diameter 100mm -350mm having total length 10880-meter for feeding proposed OHTs in Ratlam town. The pipe diameter is designed for the discharge and residual pressure requirement sufficient for filling the OHTs up to 2 times for the intermediate phase. The detail of proposed feeder mains is below-

S. No	Diameter of Pipe	Length	Pipe Material
1	150mm	2393 meters	DI K-7 Class Pipe
2	200mm	3865 meters	DI K-7 Class Pipe
3	250mm	2473 meters	DI K-7 Class Pipe
4	350mm	531 meters	DI K-7 Class Pipe





15.	500 DI K-7	505.00	DI K-7 Pipe
16.	600 DI K-7	197518.00	DI K-7 Pipe
	<b>Total Length</b>	<b>263011.00 meters</b>	--

The work of providing, laying and jointing of pipelines shall also include necessary excavation, dismantling of CC/BT road, road restoration, refilling, and moorum filling works complete in all respect. The existing network of 300Kms approx. shall be converged with the proposed network.

- **PLC SCADA**

With an objective to monitor the flow, pressure and quality of the water PLC SCADA is being proposed in the present project. The necessary flow meters along with sensors shall be provided at intake well, water treatment plant, OHT's, rising main (raw and clear) and Feeder main. It has also been envisaged to provide master control center at water treatment plant and subsidiary monitoring center at each OHT.

- **HOUSE SERVICE CONNECTIONS**

The total numbers of properties in Ratlam at present are 60000 approximately. Out of this 39371 Households have House service connection, we have considered 2025 as our base year and number of properties in year 2025 is estimated 62000. Considering 20% properties as bulk connections/commercial properties and private colonies, estimated house hold in 2025 is 50400, it is proposed that 10000 House Service Connection shall be provided in the project. All the households shall have house service connections from piped water supply scheme.





PROJECT AT A GLANCE

---





## SALIENT FEATURES OF THE PROPOSED WATER SUPPLY SCHEME

Source of Water Supply	: Dholawad Dam
Rate of Water Supply	: 135 LPCD+15%Losses
Cost of Project	: 7200.00 Lacs
Design Population	

Table details of Design Population

Design Year	Design Population
2011	264914
2025	315000
2040	375000
2055	443500

After considering the useful components of existing water supply system, the components in the proposed project are as below:

S.No.	Components	Details
1	Gravity Main	600mm DI K-7 Pipe having diameter of 450mm.
2	Floating Pontoon & Pumps	One No Floating pontoon or intake well arrangement for drawl 60.00 MLD water in stage-1.
3	Raw Water Pumps	3 No Raw Water pumps at New intake well for 18.75 MLD capacity including 2 no transformer of 1000 KVA. (237 LPS and 125 m Head). 1 No Raw Water pumps at old intake well along with 2 nos motor of 300 HP for 22.50 MLD capacities. (175LPS and 95m Head) including 1 no transformer of 750 KVA and one no shifting of 750 KVA transformer. 3 No Raw Water pumps at Boosting Pump Station for 22.50 MLD. (175LPS and 50m Head).
4	Clear water pumps	3 no pumps at Old WTP for 22.50 MLD capacity (175 LPS and 95 m Head), 1 no transformer of 750 KVA. 3 no pumps at Rituraj Sump well for 25.00 MLD capacity (158 LPS and 75 m Head). 3 no pumps at New WTP for 35.65 MLD capacity (225 LPS and 110 m Head) 2 nos transformer of 1250 KVA.
5	Water Treatment Plant	Construction of additional Water Treatment Plant of 12.00 MLD capacity at Morvani.
6	Over Head Tanks	Construction of 7nos of overhead tanks having total capacity of 7200 KL. (Sainath Nagar 1100 KL, ThavariyaBajar 1000 KL and Arjun Nagar 1000 KL&Civil Center 1000KL, Sagod Road 1000KL, Amrut Sagar Colony 1600KL Viryakhedi Road 500 KL staging height 18.0 meters.
7	Feeder Main	Providing 10880 meters of DI K-7 pipe line; 150-400 mm dia for filling OHTs.
8	Distribution network	Providing 263011 meters of distribution pipe line; 110-355 mm dia HDPE 100 PN6/350-600mm DI K-7 pipe. (Addl.-215706, Rider-47305)
9	House Service Connection	10000 Nos.
10	PLC SCADA	For 2nos. existing intake well, 2nos existing and 1no proposed WTP and 50 Nos. OHTs/GSRs.





# कार्यालय, नगर पालिक निगम, रतलाम (म0प्र0)457001

01, कालेज रोड रतलाम, दूरभाष 07412-270555

Email- commratlam@mpurban.gov.in

फैक्स नं.07412-270556

Website- www.rmcratlam.in

Annexure-5

क्रमांक.....957...../ज.प्र./2023

रतलाम दिनांक 08/12/2023

## कार्यदेश

प्रति,

एन0पी0 पटेल एण्ड कम्पनी,  
9, सेकण्ड फ्लोर सुखसागर कॉम्प्लेक्स,  
दिनेश चेम्बर के पीछे बापु नगर,  
अहमदाबाद (गुजरात)

विषय :- अमृत 2.0 योजना अन्तर्गत स्काडा प्रावधान, अतिरिक्त पेयजल हेतु 12 MLD क्षमता के नवीन फिल्टर प्लांट की स्थापना, फ्लोटिंग प्लाटून की स्थापना, 07 ओवर हेड वाटर टैंक तथा 273.891 कि०मी० नवीन पेयजल पाईप लाईन स्थापना इत्यादि कार्य।

संदर्भ :- आपके द्वारा प्रस्तुत ई-निविदा क्रमांक 299221 दिनांक 14.08.2023

सन्दर्भित विषयान्तर्गत लेख है कि आपके द्वारा प्रस्तुत निविदा दिनांक 14.08.2023 अनुसार अमृत 2.0 योजना अन्तर्गत निम्न कार्य करवाया जाना है :-

क्र.	कार्य का विवरण	निविदा राशि
01	अमृत 2.0 योजना अन्तर्गत निम्न कार्य करवाया जाना है :-	
	<p>a) Providing and installation of Floating pontoon and all other associated works suitable to accommodate 4 nos SCF Pumps sets of along with floating bridge of 225 m length, and flexible pipe of suitable diameter and length for feeding both the existing Intake wells.</p> <p>b) Providing and installation 3 nos of Raw water pumps for pumping up to 22.50 MLD Raw water having discharge 175 lps (10520 LPM) and 50 meter head from Intermediate Boosting Pump Station to old water treatment plant at morvani along with motor of suitable capacity for each pumps and all the suitable mechanical and electrical accessories and electric panel as required for running the pump on desired capacity.</p> <p>c) Providing and installation 1 no of raw water VT pump for pumping up to 18.77 MLD raw water discharge 237 lps and 125 meters head at new intake well at Dholawad dam to new water treatment plant at morvani along with motor of suitable capacity for pump and all the suitable mechanical and electrical accessories and electric panel as required for running the pump on desired capacity. The work shall include installation of one nos of substation with suitable capacity.</p> <p>d) Providing and installation 1 nos of clear water pumps for pumping up to 11.25 MLD clear discharge 175 lps (10520 LPM) and 95 meter head from old water treatment plant at morvani to various OHTs in Ratlam along with motor of suitable capacity for each pumps and all the suitable mechanical and electrical accessories and electric panel as required for running the pump on desired capacity.</p> <p>e) Providing and installation 2 no of clear water pumps for pumping up to 17.22 MLD clear water having discharge 108.50 lps and 75 meters head from Rituraj sump well to various OHTs/GSRs in Ratlam along with motor of suitable capacity for each pump and all the suitable mechanical and electrical accessories and electric panel as required for running the pump on desired capacity.</p>	56,69,80,000/- + 18% GST

011

26

- f) Providing and installation one no of transformer at old intake well of suitable capacity for running the pumps on desired capacity.
- g) Construction of Water Treatment Plant of 12.00 MLD Clear water Pump house with installation of 3 no of pumps for pumping 35.65 MLD clear water having discharge 225 lps of each pump and head 110 meter at New WTP and along with all necessary electrical and mechanical equipment for clear water pump house. The work shall include installation of two nos of substation of suitable capacity for running the pumps on desired capacity.
- h) Providing, laying, jointing, testing, commissioning of clear water Feeder main having length of 10880.0 m of dia150-400 mm of DI K-7 pipe from WTPs to Various OHT's including excavation, refilling, road cutting/dismantling, restoration, providing valves and specials and fittings all complete.
- i) Construction of 7 Nos of R.C.C. Overhead tank of 7200 KL cumulative for storage of Clear water in Ratlam.
- j) Providing, laying, jointing, testing, commissioning of distribution network having length of 263011 m of dia(110mm to 450mm) HDPE PN-6, DI K7 pipe. Including excavation, refilling, road cutting/dismantling, restoration, providing valves, specials and fittings all complete.
- k) Providing 10000 Nos. of house service connections
- l) PLC- SCADA for monitoring and controlling of water supply system for all existing and proposed components.
- m) River and nallah crossing

उपरोक्त कार्य संबंधी टेण्डर डाक्यूमेंट, अनुदान पत्रक एवं शर्तों में दर्शाये अनुसार कार्य की निविदा लागत रुपये 56,69,80,000/- पर निविदा एवं एस्टिमेट में दर्शाये गये कार्य को पूर्ण करने हेतु रुपये 65,49,00,000/- (18% GST पृथक) की प्रस्तुत की गई है जिसे मेयर-इन-काउंसिल ठहराव क्रमांक 209 दिनांक 07.10.2023 द्वारा स्वीकृती प्रदान की गई है। उक्त कार्य हेतु आपके द्वारा सम्पादित अनुबन्ध पत्र की एक प्रति संलग्न है।

अतः आप श्री सुहास पण्डित उपयंत्री, श्री भैयालाल चौधरी उपयंत्री एवं श्री अतुल गोतम उपयंत्री से सम्पर्क कर उनके निर्देशानुसार कार्य पूर्ण करें।

संलग्न :- उपरोक्तानुसार

5/8.12.23

कार्यपालन यंत्री

जलप्रदाय

नगर पालिक निगम, रतलाम

रतलाम, दिनांक 08/12/2023

पृ.क्रमांक 957/ज.प्र./2023

प्रतिलिपि - 12

- 1- आयुक्त महोदय, नगर पालिक निगम, रतलाम की ओर अवलोकनार्थ।
- 2- श्री सुहास पण्डित उपयंत्री जलप्रदाय नगर पालिक निगम, रतलाम की ओर सूचनार्थ एवं पालनार्थ।
- 3- श्री भैयालाल चौधरी उपयंत्री जलप्रदाय नगर पालिक निगम, रतलाम की ओर सूचनार्थ एवं पालनार्थ।
- 4- श्री अतुल गोतम उपयंत्री जलप्रदाय नगर पालिक निगम, रतलाम की ओर सूचनार्थ एवं पालनार्थ।
- 5- आर0ई0 पी0डी0एम0सी0 शॉह टेक्नीकल कंसल्टेंट रतलाम की ओर सूचनार्थ।
- 6- वास्तुशिल्पी प्रोजेक्ट एण्ड कंसल्टेंट प्रा0लि0 नोपाल की ओर सूचनार्थ।
- 7- श्री नीरज यादव प्रमारी झोन क्रमांक 01 की अपने वार्ड क्षेत्रों कार्य के दौरान सहयोग करने हेतु पालनार्थ।
- 8- श्री जितेन्द्र सिसोदिया स्टोरकीपर कार्य के दौरान सहयोग करने हेतु पालनार्थ।
- 9- श्री मोहनलाल प्रमारी झोन क्रमांक 02 की अपने वार्ड क्षेत्रों कार्य के दौरान सहयोग करने हेतु पालनार्थ।
- 10- श्री दिलीप कुमार सुर्यवंशी समयपाल अपने वार्ड क्षेत्रों कार्य के दौरान सहयोग करने हेतु पालनार्थ।
- 11- श्री संदीप कुमार बैगा समयपाल अपने वार्ड क्षेत्रों कार्य के दौरान सहयोग करने हेतु पालनार्थ।
- 12- श्री अमन झालीवाल उच्चकुशल श्रमिक अपने वार्ड क्षेत्रों कार्य के दौरान सहयोग करने हेतु पालनार्थ।

5/8.12.23

कार्यपालन यंत्री

जलप्रदाय

नगर पालिक निगम, रतलाम

Aman 12/12/23



कार्यालय मुख्य चिकित्सालय एवं स्वास्थ्य अधिकारी जिला रतलाम म.प्र.



जिला चिकित्सालय परिसर, जेल रोड, रतलाम

फोन नं 07412-231240, फैक्स नं. 07412-407804 E-mail :- idsprat-mp@nic.in

क्रमांक/आईडीएसपी/एनएचएम/2024/14552

रतलाम दिनांक :- 30-07-24

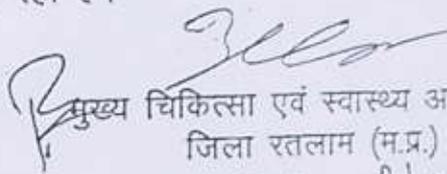
प्रति,

अपर कलेक्टर  
जिला रतलाम म.प्र

विषय:- वार्ड नं 24 में उल्टी एवं दस्त से प्रकोप के संबध में।

उपरोक्त विषयांतर्गत लेख है कि नगर निगम रतलाम अंतर्गत दूषित पानी पीने से उल्टी एवं दस्त के प्रकोप महामारी संबधी जानकारी चाही गई है, इस विषय में अवगत हो कि जिले की स्वास्थ्य संस्थाओं में वार्ड क्रमांक 24 में दूषित पानी पीने से लोगो में उल्टी दस्त होने जैसी घटना प्रतिवेदित नही हुई है।

समान्य वर्षा ऋतु में वातावरण बदलने से समान्य दस्त के मरीजों का नियमित उपचार कर आवश्यक चिकित्सा सेवाएँ उपलब्ध कराई जा रही है।

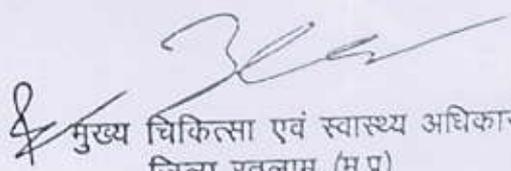
  
मुख्य चिकित्सा एवं स्वास्थ्य अधिकारी  
जिला रतलाम (म.प्र.)

रतलाम दिनांक :- 30/07/24

क्रमांक/आईडीएसपी/एनएचएम/2024/14553-56

प्रतिलिपि:-

01. कलेक्टर महोदय, जिला रतलाम म.प्र।
02. आयुक्त नगर निगम रतलाम म.प्र।
03. जिला सर्विलेंस अधिकारी स्थानीय कार्यालय रतलाम म.प्र।
04. जिला ऐपिडेमियोलॉजिस्ट स्थानीय कार्यालय जिला रतलाम म.प्र।

  
मुख्य चिकित्सा एवं स्वास्थ्य अधिकारी  
जिला रतलाम (म.प्र.)







